



Security Tech Germany

CATALOGUE 2026

VIDEO PROFESSIONAL

Intelligent IP cameras and special solutions that ensure top night vision, analogue video technology, powerful recording solutions, network video recorders and software, video door intercoms and ABUS Link Station app



In our latest catalogue, we are presenting the
2026 Video Professional range from ABUS Security Center.
Detailed information for all products can be found at abus.com

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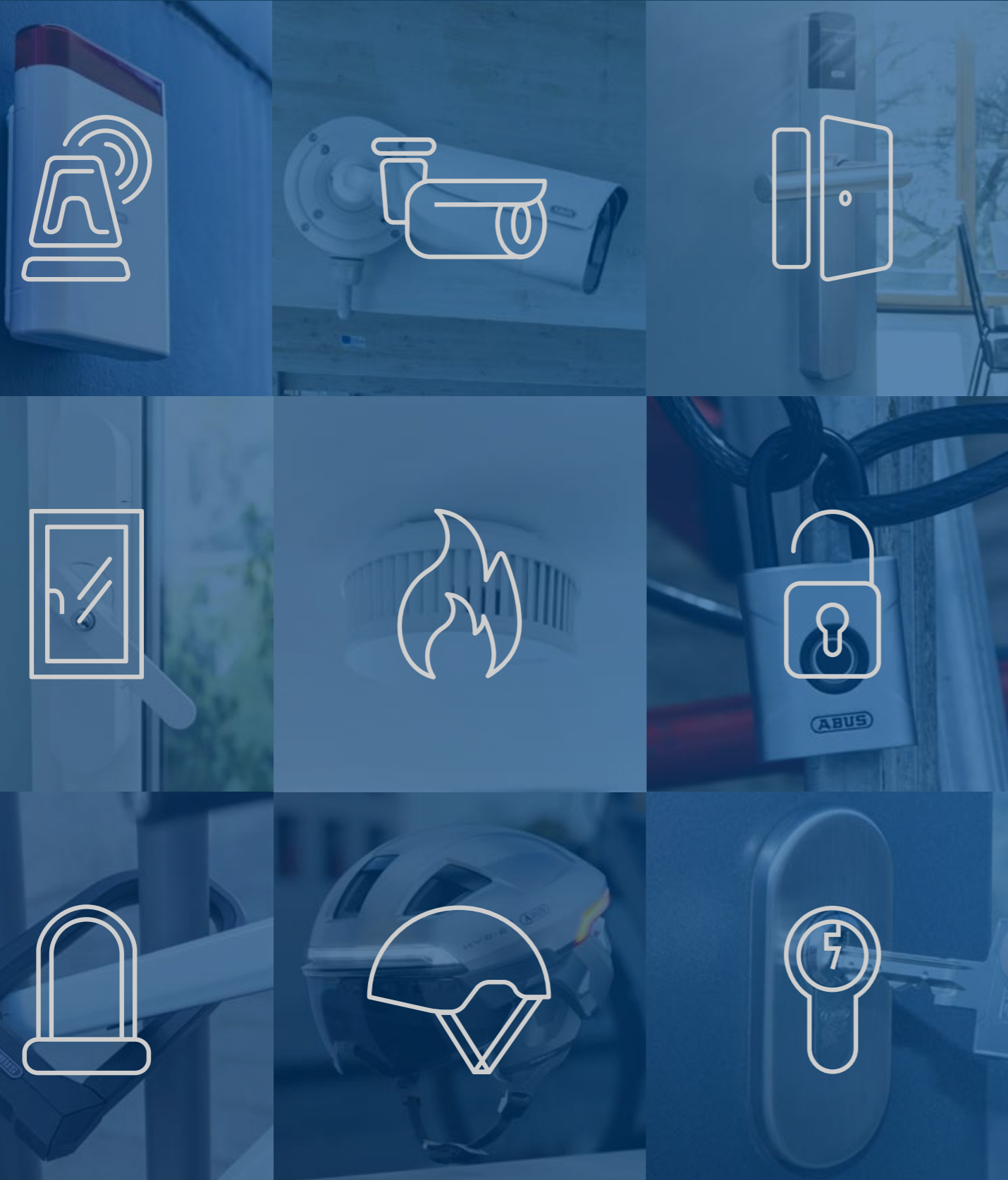
SECURITY SINCE 1924

ABUS Security Center belongs to the ABUS Group and is part of the well-known global security brand.

The ABUS Group and its subsidiaries have stood for comprehensive security since 1924. As a traditional company with many years of experience, ABUS continues to set new standards and trends in the field of innovative security technology – with a particular focus on the smart interplay between electronics and mechanics.

High-quality security solutions are the result of the interplay of various factors such as hardware and software, service and advice – and the fusion of separate technologies into a comprehensive networked solution.

ABUS Security Center brings this philosophy of integrated security solutions to life with its products. And by doing so, it pursues the goal of making the everyday lives of its customers and users extra secure and comfortable.



ABUS | Security Center
Alarm systems, video surveillance, door intercom systems, electronic locking systems, digital access control



ABUS | August Bremicker Söhne
Home security, property security, mobile security



ABUS | Pfaffenhain
Mechanical locking systems and master key systems



NETWORK TECHNOLOGY

ABUS IP cameras protect your property with powerful surveillance and support the user in daily business with intelligent image analysis.

This means that the user does not always have to have a direct view of their commercial space. For example, if a person enters a defined area, an alarm is triggered as a pop-up or signal tone and a push notification is sent to the app. Professional optical and AI functions ensure precise alarms and maximum efficiency even in unmanned operation.

In addition to pure surveillance, intelligent cameras can also be used to optimise work processes. For example, servicestaff in the retail sector can serve customers immediately or security staff can be trained to intervene directly in the event of suspicious behaviour.

THE TOP ADVANTAGES AT A GLANCE

Less time required: thanks to event filters (human, vehicle), relevant recordings (on the NVR or internal microSD card) are found much faster

Lower personnel costs: Thanks to object detection in the camera, very few but highly accurate motion alarms are triggered (no flood of false alarms).

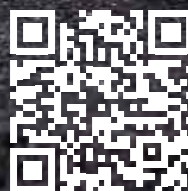
More security: clear, high-contrast colour images with every detail, even in absolute darkness, thanks to full-colour day/night function (GECKO colour night vision)

High-performance PTZ dome offering a powerful 32× (189 mm) optical zoom and intelligent automatic object tracking (Smart Tracking), and panoramic camera with a seamless 180° field of view. Both cameras deliver exceptional coverage and detail for a comprehensive surveillance of your designated areas.

Thermal cameras for precise detection with high alarm accuracy. Especially at night and in foggy conditions, as well as in adverse environmental factors, where optical cameras are prone to errors.

Ideal for automated processes or buildings with party traffic: the 'alarm camera' with acoustic as well as optical deterrent function and intercom (loudspeaker, flashing light)

Suitable for special façades or room designs: the Black Line models in matt black



ABUS video technology: From person detection and colour night vision to perimeter protection with thermal imaging – we explain technologies and applications clearly in our YouTube playlist.

Simply scan here or enter the link!
<https://l.ead.me/abus-video-ip>

The right camera for every application: from the efficient Basic model to Advanced and Special cameras with unique features and top performance characteristics.

OVERVIEW

NETWORK TECHNOLOGY

MORE PROTECTION WITH LESS EFFORT

Intelligence in the camera itself. For high-quality image results by day and night at almost any distance. With automatic classification/evaluation of incidents for top security with low personnel deployment (precise motion alarms instead of frequent false alarms, quick incident search, triggering of automatic processes). Also available if required: cameras with thermal image sensor, 180° panoramic image, advanced alarm functions, etc.

IN FOCUS: CLEAR ADVANTAGES

- Less personnel required: thanks to object detection, the camera delivers very few, highly precise motion alarms
- Less time: thanks to quick search with event filter (human, vehicle), relevant scenes are found much faster
- More security: clear colour images even at night and in absolute darkness thanks to colour night vision
- Total night vision with thermal camera: precise detection of dangers at long distances, even in fog, difficult terrain, etc.

SECURITY, TIME & COST ADVANTAGES

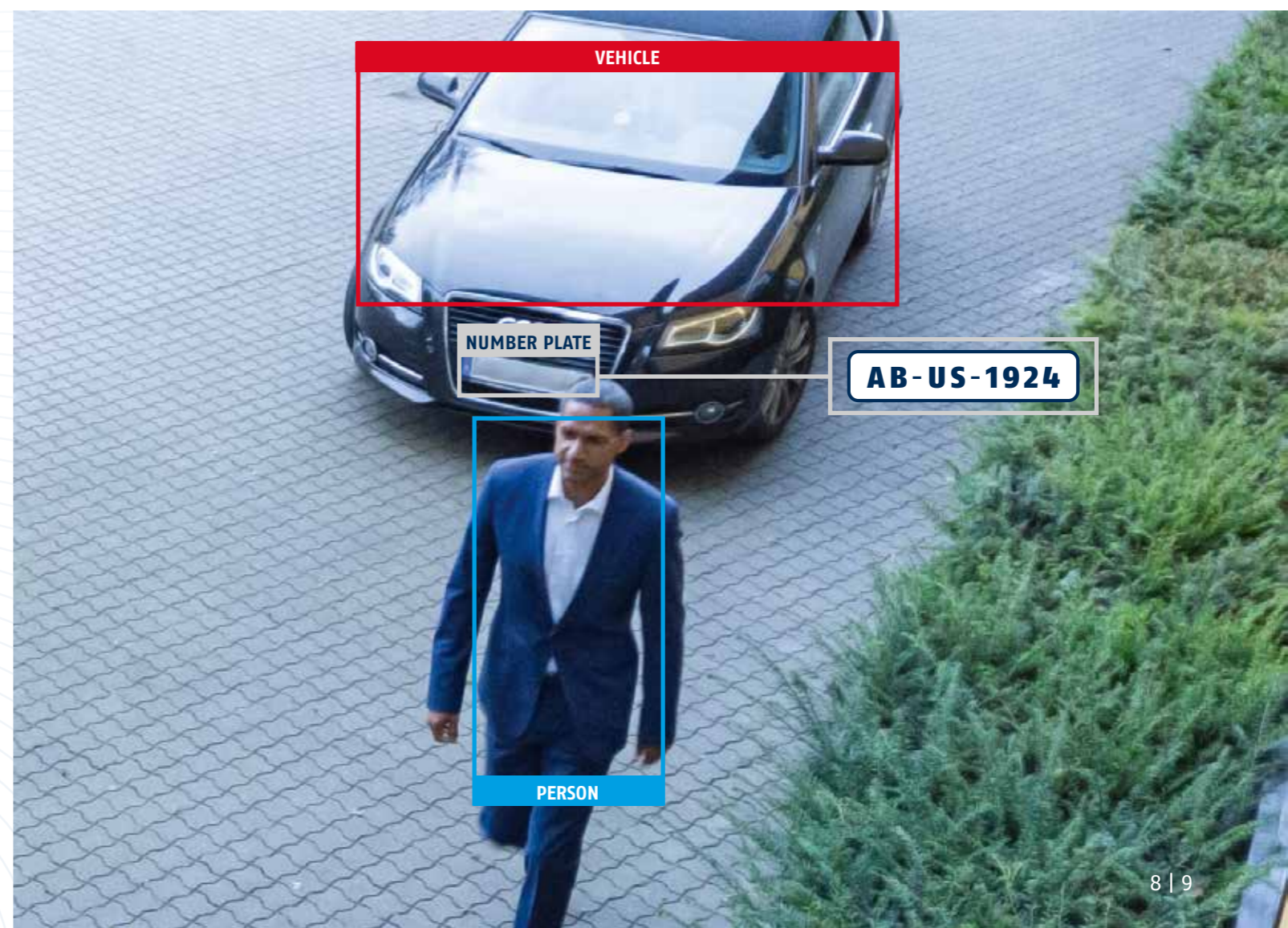
- Higher security level, more applications and programmable scenarios (with VCA events)
- False alarms and the number of push notifications for VCA motion alarms are minimised
- Less memory space and write access to SD card required (only relevant scenes are saved)
- Quick search for events in the central recording (NVR, CMS) directly by person/vehicle
- Twice the security: the recorder (NVR) saves all events (for later search for another scene)
- Alarm camera: intercom and perpetrator addressing functions, local alarm and set-up of efficient processes with external networking (e.g. ticket machine triggers camera)
- Thermal cameras for precise detection up to 200 m, even at night, in fog, and with other disturbing influences, etc.
- Gecko+IR cameras with special lens, white-light LEDs and intelligent object detection for switching from IR to colour night vision in the event of an alarm



OBJECT RECOGNITION: INTELLIGENCE IN THE CAMERA

Almost all Professional cameras automatically recognise people and vehicles by means of intelligent software (AI algorithm) and distinguish them absolutely reliably from disturbing influences (clouds, light, shadows, trees/leaves, birds, etc.). Already as standard from the Basic line and also the popular Special cameras with colour night vision (see GECKO logo in the overview).

	Thermal camera (thermal image)	Standard (Basic)	Optical camera	
			Alarm function/ alarm output	PTZ function (latest generation)
High-precision detection, fewer false alarms	✓	✓	✓	✓
Detection at a very long distance	✓	✗	✗	✓
Detection in darkness and poor visibility	✓	✗	✗	✗
VCA scenarios	✓	✓	✓	✓
Quick search for human/vehicle	✓	✓	✓	✓
Early fire detection in the camera's field of view	✓	✗	✗	✗

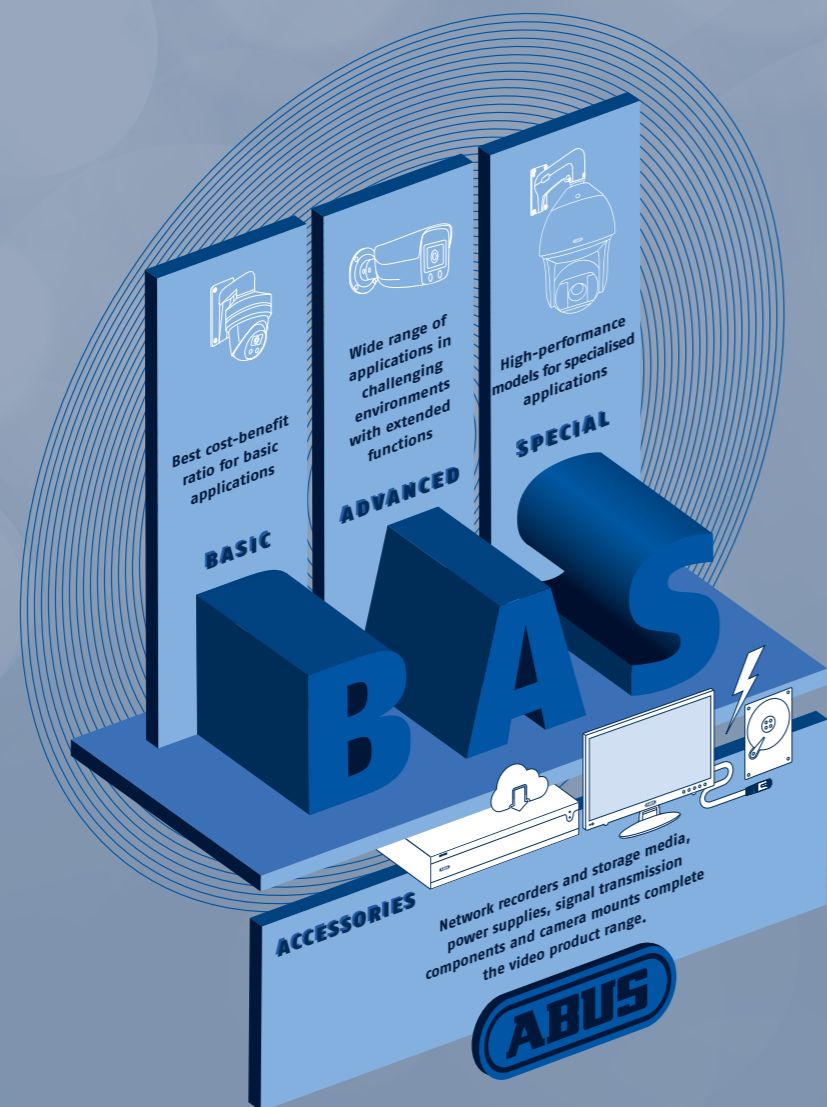


THE B·A·S STRUCTURE

Basic, Advanced, Special: our B·A·S model! With our various price and performance categories for cameras, the ABUS video IP range always provides the ideal technical parameters for your project. Depending on your task, you can combine the basic products for basic applications, advanced products for particular challenges and complex light situations, as well as our special products for surveillance solutions in a particularly challenging environment.

Our cameras, recorders and accessories are perfectly compatible. And this applies beyond the field of video surveillance: video, alarm, access control – the interconnectivity of the entire range of electronic security products makes us a full provider of integrated security solutions.

You can therefore enjoy a fully compatible all-round range and order everything from one source – with ABUS quality!



OBJECT RECOGNITION

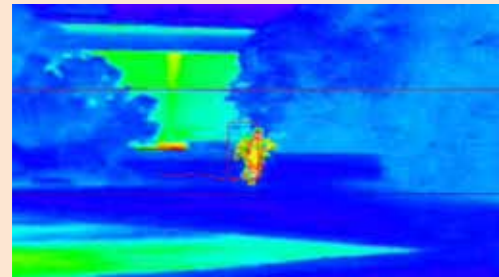
Even the inexpensive cameras of the Basic Line provide AI-supported object recognition. For more security with less time effort – and reliable semi-autonomous monitoring almost without personnel.



FROM DISCREET TO DETERRENT

An end customer requires a discreet camera on a dark façade? The other a clearly visible camera that stands out in colour against a white wall and is a perfect deterrent? With the Basic Line models in elegant matt black, you cannot go wrong in either case.

THERMAL CAMERAS WITH THERMAL IMAGE SENSOR



Night shot with thermal technology (thermal image): intruder clearly recognisable, detection by object detection function, motion alarm is triggered



Night shot without thermal technology (optical camera): no intruder can be recognised, no object detection, no motion alarm



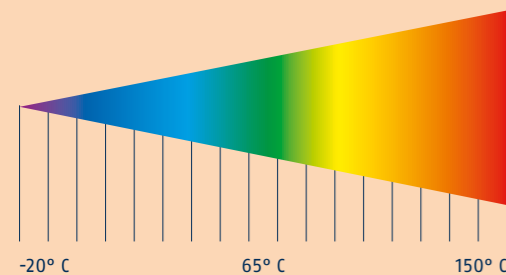
BESTE BILDER AUCH BEI NACHT & NEBEL

The special solution for 24/7 protection of company premises, large areas and sensitive zones: dual thermal cameras with thermal image sensor plus optical image sensor. For absolutely reliable detection of intruders (human, vehicle) under the most adverse conditions. Ideal for perimeter protection.



FUNCTION AND ADVANTAGES

Thermal cameras make the invisible visible. They detect infrared radiation from objects or living beings and convert temperature differences into high-contrast images with clearly recognizable heat zones. Thanks to intelligent object recognition and AI-supported analysis, people and vehicles are reliably identified – for maximum alarm accuracy with minimal false alarms.



COLOUR PICTURES AT NIGHT



CLEAR VISION, RELIABLE IDENTIFICATION

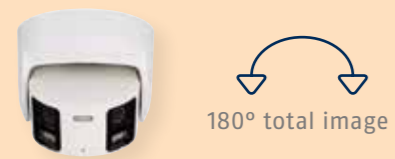
High-contrast surveillance for natural images just like the human eye: less fatigue, better incident detection, and clear details for identification – from clothing to license plates. This way, security personnel will not overlook any important detail.



Night shot with Gecko technology



Night shot with infrared camera



FAR-SIGHTED VIEW WITHOUT BOUNDARIES

PTZ cameras with pan/tilt lens and optical zoom offer a variable viewing angle in all directions and for different distances, controllable via control panel, NVR or app – and by means of automatic object tracking. Panoramic and hemispheric cameras provide a permanent overview in 180° format (outdoor) or with 360° view (indoor from the ceiling).



ALL-IN-ONE-CAMERA: LOCAL ALARM & MORE

With microphone, loudspeaker and flashing light: perpetrators are deterred by camera alarm and by direct addressing. Incl. intercom and set-up of automatic processes in object monitoring and for service purposes.



RECOGNISE NUMBER PLATES & CONTROL RELAIS

ANPR cameras control fully automatic access to the building, car park, premises or construction site. After matching each number plate with positive/negative lists, the barrier is opened or not and the number plate is logged. The cameras work autonomously or as part of a surveillance system.



DISPLAY & MONITOR SIMULTANEOUSLY

Visible video surveillance plays an important role, especially in retail: visitors are informed transparently about the surveillance, potential perpetrators are deterred in advance, and staff can keep an eye on critical areas at all times. The vandal-proof HDMI camera (IK10) meets all these requirements.



RECORDING & SOFTWARE NETWORK TECHNOLOGY

To gain maximum benefit from video surveillance, video images must be stored efficiently and evaluated effectively. In this way, the user can draw the right conclusions for targeted measures from the image material. In addition to the NVR as a surveillance centre, ABUS recording solutions offer suitable software tools for professional analysis

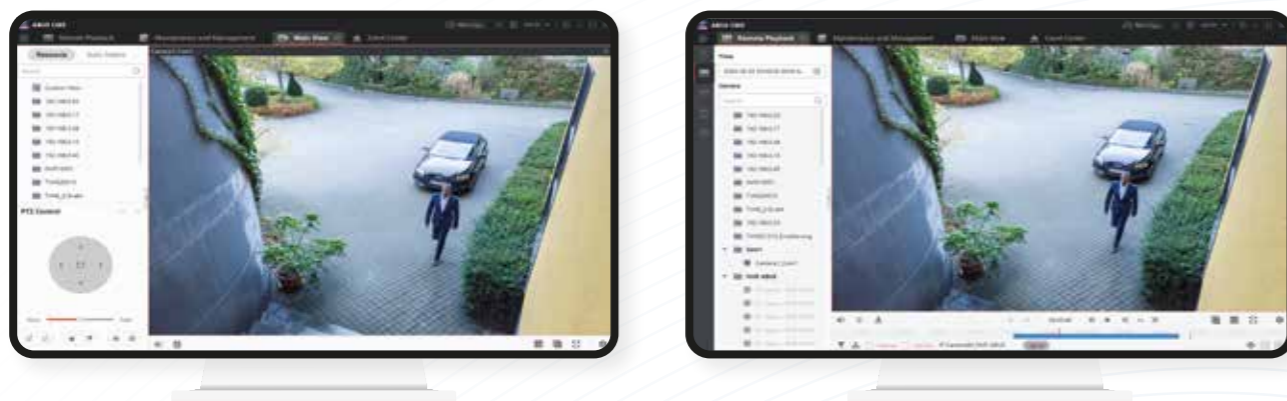
RECORD AND MANAGE

Intelligent recording and analysis of up to 64 video cameras per recorder. This is possible with the ABUS NVR with high data throughput, long-term recording and integrated VCA functions. The free ABUS CMS software also enables management of up to 256 NVRs and 1,024 video channels on one control centre PC.



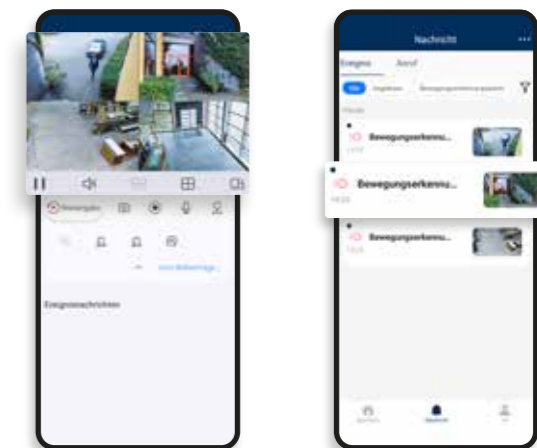
ABUS CMS SOFTWARE: THE MONITORING CENTRE

All surveillance at a glance on one PC: The free Central Monitor Station (CMS) software combines the video data from up to 1,024 cameras and 256 recorders (NVR) on up to 4 monitors. The PC becomes the control centre and is easy to operate thanks to intuitive CMS software, even with changing staff (e.g. shop detectives).



CONTROL VIA APP

Direct access to ABUS cameras and recorders via mobile phone and tablet with the ABUS Link Station app! Whether for live image display, Playback, control of PT(Z) cameras or for switching alarm outputs.



Try it out:
the free app
in the LITE-Version!

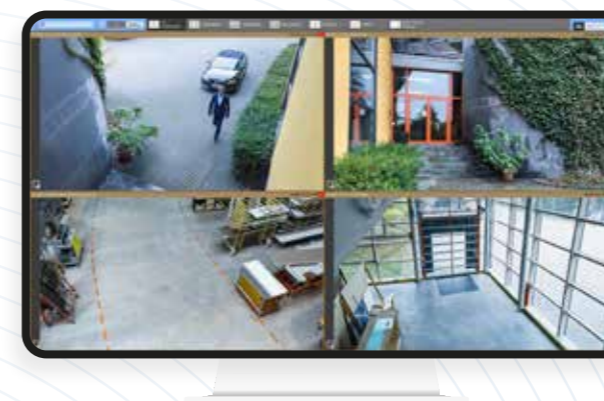


HIGH-PERFORMANCE VMS: ABUS + AXSONSOFT

As an official distributor/integration partner of AxxonSoft, a leading global developer of VMS and PSIM platforms, ABUS offers a comprehensive solution for video management.

With a wide range of intelligent and individual functions for projects of any size: from commercial and retail to banking and the public sector.

For an unlimited number of cameras and servers - clearly arranged in one software. All ABUS camera models are directly integrated.



3 software packages for standard projects with features such as motion and number plate recognition, forensic search, interactive site plan, failsafe, facial recognition, etc.

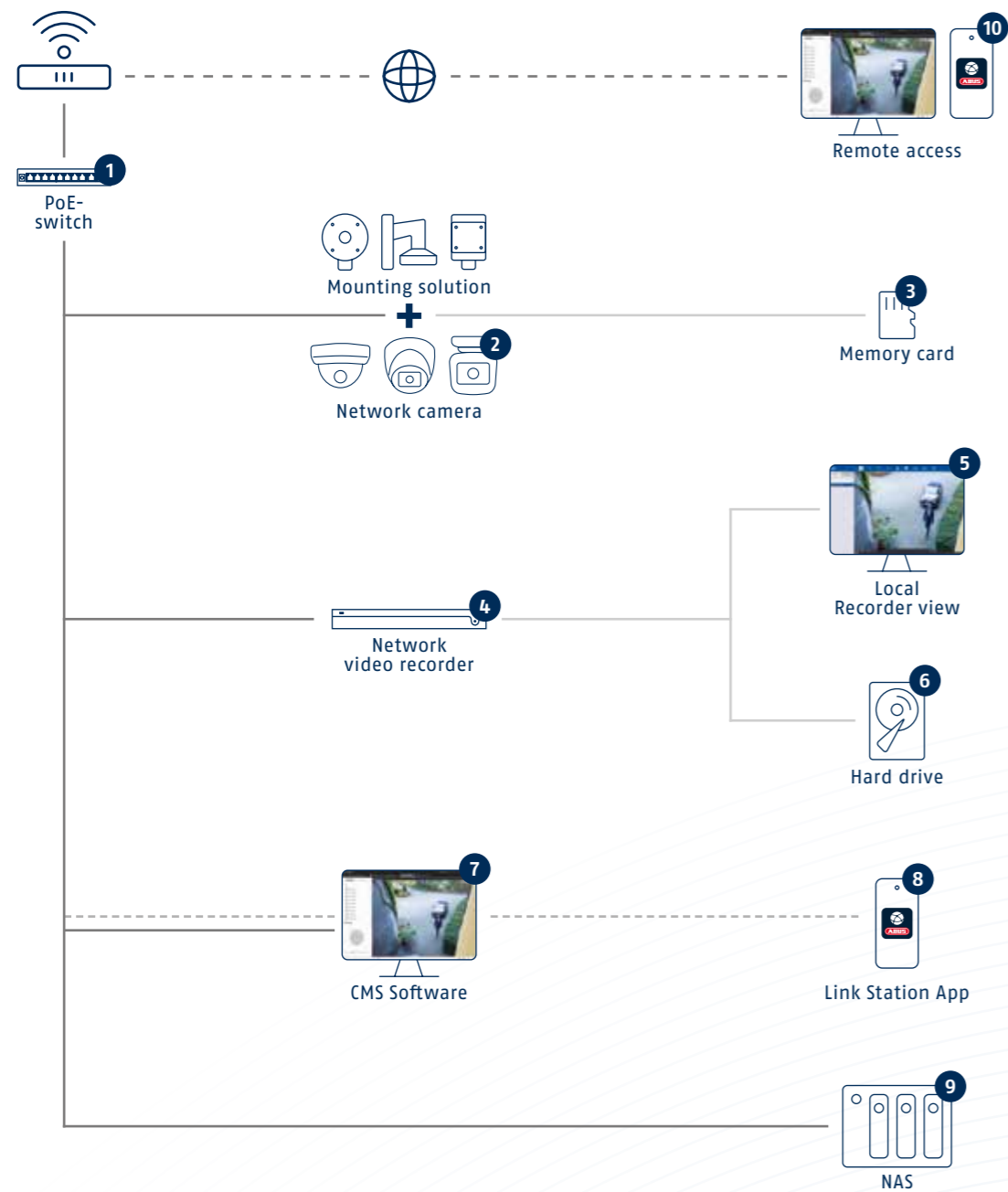


ABUS CMS Software
download for free!



SYSTEM DESIGN

NETWORK TECHNOLOGY



- 1 PoE-switch
- 2 Network camera + Mounting solution
- 3 Internal card memory in the camera
- 4 Network video recorder
- 5 Monitor connected to network video recorder
- 6 Hard disk in network video recorder
- 7 CMS software via network
- 8 ABUS Link-Station-App via network
- 9 NAS system in the network
- 10 Online remote access

Key:
 - - - Internet - - - WiFi
 — LAN — Data

CONFIGURATION

NETWORK TECHNOLOGY

IPC - B - 4 - 4 - 6 - 1 - 1 - A

1 2 3 4 5 6 7

1 PRODUCT LINE B Basic A Advanced S Special		B A S																		
2 DESIGN 2 Special 3 Mini Tube 4 Mini Dome 5 Spherical dome 6 Tube 7 large Dome 8 PTZ																				
3 RESOLUTION		<table border="1"> <tr><td>2</td><td>2 MPx</td><td>1920 x 1080 Px</td></tr> <tr><td>3</td><td>3 MPx</td><td>2304 x 1296 Px</td></tr> <tr><td>4</td><td>4 MPx</td><td>2560 x 1440 Px</td></tr> <tr><td>5</td><td>5 MPx</td><td>2592 x 1944 Px</td></tr> <tr><td>8</td><td>8 MPx</td><td>3840 x 2160 Px</td></tr> <tr><td>9</td><td>12 MPx</td><td>4000 x 3000 Px</td></tr> </table>	2	2 MPx	1920 x 1080 Px	3	3 MPx	2304 x 1296 Px	4	4 MPx	2560 x 1440 Px	5	5 MPx	2592 x 1944 Px	8	8 MPx	3840 x 2160 Px	9	12 MPx	4000 x 3000 Px
2	2 MPx	1920 x 1080 Px																		
3	3 MPx	2304 x 1296 Px																		
4	4 MPx	2560 x 1440 Px																		
5	5 MPx	2592 x 1944 Px																		
8	8 MPx	3840 x 2160 Px																		
9	12 MPx	4000 x 3000 Px																		
4 COLOUR 5 white 6 black																				
5 PRODUCT SPECIFICATION 1 Fixed lens 2 Variable lens 6 WiFi																				
6 VERSION NUMBER 1 i.e. Version 1																				
7 FOCAL LENGTH Fixed lenses: A 2,8 mm B 4 mm Bi-spectral (optical/thermal): B 3,6 mm / 4,3mm D 9,7 mm / 8 mm																				

CAMERA OVERVIEW

NETWORK TECHNOLOGY

	MINI DOME	SPHERICAL-DOME	DOMES	MINI TUBE	TUBE	PANORAMA	PTZ-DOMES
BASIC	IPCB44511A/B	IPCB54511A/B	IPCB74521	IPCB34511A/B	IPCB64521		
	IPCB44561A	IPCB58511A/B	IPCB78521	IPCB38511A/B	IPCB68521		
	IPCB44611A/B	IPCB54611B IPCB58611A		IPCB34611A	IPCB64621 IPCB68621		
ADVANCED		IPCA54581B			IPCA64581D		
		IPCA54512A/B		IPCA34512A/B	IPCA64512A/B		
		IPCA54572A					
		IPCA54612A		IPCA34612A	IPCA64612A		
SPECIAL	IPCS58571A	IPCS74511A		IPCS64531	IPCS28581A	IPCS84511	
					IPCS29512	IPCS84532	
						IPCS84551	

CAMERA OVERVIEW NETWORK TECHNOLOGY

	B			
Item number		IPCB44511A IPCB44611A	IPCB44511B IPCB44611B	IPCB44561A (WiFi)
Description		IP Mini Dome		
Additional functions		-	-	
Resolution		4 MPx	4 MPx	4 MPx
Image sensor		1/2.7"	1/2.7"	1/2.7"
Progressive Scan CMOS				
Focal length		2,8 mm	4 mm	2,8 mm
Viewing angle (horizontal/vertical)		103° / 55°	83° / 45°	103° / 55°
IR range (up to)		20 m	20 m	20 m
Recording options		microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*
Alarm input / Alarm output		-	-	-
IP protection class		67	67	67
Compatible with Comfion		✓	✓	✓
Compatible with Securis		✓	✓	✓
Compatible with Secvest		✓	✓	✓
Compatible with wAppLoxx		✓	✓	✓
Compatible with wAppLoxx Pro		✓	✓	✓
Compatible with ABUS Link Station		✓	✓	✓

	B				
Item number		IPCB54511A	IPCB54511B IPCB54611B	IPCB58511A IPCB58611A	IPCB58511B
Description		IP Spherical Dome			
Additional functions		-	-	-	-
Resolution		4 MPx	4 MPx	8 MPx	8 MPx
Image sensor		1/2.7"	1/2.7"	1/1.8"	1/1.8"
Progressive Scan CMOS					
Focal length		2,8 mm	4 mm	2,8 mm	4 mm
Viewing angle (horizontal/vertical)		103° / 55°	83° / 45°	110° / 59°	87° / 47°
IR range (up to)		30 m	30 m	30 m	30 m
Recording options		microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS**
Alarm input / Alarm output		-	-	-	-
IP protection class		67	67	67	67
Compatible with Comfion		✓	✓	✓	✓
Compatible with Securis		✓	✓	✓	✓
Compatible with Secvest		✓	✓	✓	✓
Compatible with wAppLoxx		✓	✓	✓	✓
Compatible with wAppLoxx Pro		✓	✓	✓	✓
Compatible with ABUS Link Station		✓	✓	✓	✓



Key: Item number variant white Item number variant black WiFi




*Synology and QNAP NAS systems (Open Video Network Protocol)

B BASIC		
Item number	IPCB74521	IPCB78521
Description	IP Dome	
Additional functions	-	-
Resolution	4 MPx	8 MPx
Image sensor Progressive Scan CMOS	1/2.7"	1/1.8"
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm
Viewing angle (horizontal/vertical)	30° - 108° / 17° - 56°	45° - 108° / 26° - 58°
IR range (up to)	40 m	40 m
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*
Alarm input / Alarm output	1 / 1	1 / 1
IP protection class	67	67
Compatible with Comfion	✓	✓
Compatible with Secoris	✓	✓
Compatible with Secvest	✓	✓
Compatible with wAppLoxx	✓	✓
Compatible with wAppLoxx Pro	✓	✓
Compatible with ABUS Link Station	✓	✓

B BASIC		
Item number	IPCB64521 IPCB64621	IPCB68521 IPCB68621
Description	IP Tube	
Additional functions	-	-
Resolution	4 MPx	8 MPx
Image sensor Progressive Scan CMOS	1/2.7"	1/1.8"
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm
Viewing angle (horizontal/vertical)	30° - 108° / 17° - 56°	46° - 108° / 26° - 58°
IR range (up to)	60 m	60 m
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*
Alarm input / Alarm output	1 / 1	1 / 1
IP protection class	67	67
Compatible with Comfion	✓	✓
Compatible with Secoris	✓	✓
Compatible with Secvest	✓	✓
Compatible with wAppLoxx	✓	✓
Compatible with wAppLoxx Pro	✓	✓
Compatible with ABUS Link Station	✓	✓

B BASIC				
Item number	IPCB34511A IPCB34611A	IPCB34511B	IPCB38511A	IPCB38511B
Description	IP Mini Tube			
Additional functions	-	-	-	-
Resolution	4 MPx	4 MPx	8 MPx	8 MPx
Image sensor Progressive Scan CMOS	1/2.7"	1/2.7"	1/1.8"	1/1.8"
Focal length	2,8 mm	4 mm	2,8 mm	4 mm
Viewing angle (horizontal/vertical)	103° / 55°	103° / 55°	111° / 59°	111° / 59°
IR range (up to)	30 m	30 m	30 m	30 m
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS**	microSD card, NVR, NAS*
Alarm input / Alarm output	-	-	-	-
IP protection class	67	67	67	67
Compatible with Comfion	✓	✓	✓	✓
Compatible with Secoris	✓	✓	✓	✓
Compatible with Secvest	✓	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓	✓
Compatible with wAppLoxx Pro	✓	✓	✓	✓
Compatible with ABUS Link Station	✓	✓	✓	✓

A ADVANCED		
Item number	IPCA54581B	IPCA64581D
Description	IP Thermal Dome	IP Thermal Tube
Additional functions		
Resolution (optical/thermal)	4 MPx / 256x192	4 MPx / 256x192
Image sensor Progressive Scan CMOS	1/2.7"	1/1.8"
Focal length (optical/thermal)	4,3 mm / 3,6 mm	8 mm / 9,7 mm
Viewing angle optical (horizontal/vertical)	84° / 43°	39,5° / 22°
Viewing angle thermal (horizontal/vertical)	50° / 37°	18° / 13,5°
Temperature measurement range (1 x 1 m / 0,2 x 0,2 m)	58 m / 12 m	160 m / 32 m
Range VCA (human / vehicle)	28 Meter / 76 Meter	80 Meter / 200 Meter
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*
Alarm input / Alarm output	1 / 1	2 / 2
IP protection class	66	67
Compatible with Comfion	✗	✗
Compatible with Secoris	✗	✗
Compatible with Secvest	✗	✗
Compatible with wAppLoxx	✗	✗
Compatible with wAppLoxx Pro	✗	✗
Compatible with ABUS Link Station	✓	✓

Key:  Item number variant white  Item number variant black  Thermal (temperature detection)

*Synology and QNAP NAS systems (Open Video Network Protocol)

A ADVANCED			
Item number	IPCA54512A IPCA54612A	IPCA54512B	IPCA54572A
Description	IP Gecko Spherical Dome		IP Gecko Spherical Dome alarm
Additional functions			
Resolution	4 MPx	4 MPx	4 MPx
Image sensor Progressive Scan CMOS	1/1.8"	1/1.8"	1/1.8"
Focal length	2,8 mm	4 mm	2,8 mm
Viewing angle (horizontal/vertical)	110° / 57°	110° / 57°	110° / 57°
IR range (up to)	30 m	30 m	30 m
White-light range (up to)	30 m	30 m	30 m
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*
Alarm input / Alarm output	-	-	-
IP protection class	67	67	67
Compatible with Comfion	✓	✓	✓
Compatible with Secoris	✓	✓	✓
Compatible with Secvest	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓
Compatible with wAppLoxx Pro	✓	✓	✓
Compatible with ABUS Link Station	✓	✓	✓

S SPECIAL				
Item number	IPCS74511A	IPCS58571A	IPCS29512	IPCS28581A
Description	IP Dome with HDMI-Port	IP Spherical Dome Alarm	IP Fisheye	IP Panorama Dome
Additional functions				
Resolution	4 MPx	8 MPx	12 MPx	8 MPx
Image sensor Progressive Scan CMOS	1/1.3"	1/1.8"	1/1.7"	2x1/1.8"
Focal length	2,8 mm	2,8 mm	1,29 mm	2 x 4 mm
Viewing angle (horizontal/vertical)	101° / 55°	110° / 59°	180° / 180°	180° / 44°
IR range (up to)	30 m	30 m	15 m	-
White-light range (up to)	-	-	-	30 m
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*
Alarm input / Alarm output	1 / 1	1 / 1	1 / 1	1 / 1
IP protection class	20	67	67	67
Compatible with Comfion	✓	✗	✗	✗
Compatible with Secoris	✓	✗	✗	✗
Compatible with Secvest	✓	✗	✗	✗
Compatible with wAppLoxx	✓	✗	✗	✗
Compatible with wAppLoxx Pro	✓	✗	✗	✗
Compatible with ABUS Link Station	✓	✓	✓	✓

A ADVANCED				
Item number	IPCA34512A IPCA34612A	IPCA34512B	IPCA64512A IPCA64612A	IPCA64512B
Description	IP Gecko Mini Tube		IP Gecko Tube	
Additional functions				
Resolution	4 MPx	4 MPx	4 MPx	4 MPx
Image sensor Progressive Scan CMOS	1/1.8"	1/1.8"	1/1.8"	1/1.8"
Focal length	2,8 mm	4 mm	2,8 mm	4 mm
Viewing angle (horizontal/vertical)	104° / 54°	104° / 54°	104° / 54°	104° / 54°
IR range (up to)	30 m	30 m	60 m	60 m
White-light range (up to)	30 m	30 m	60 m	60 m
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS**
Alarm input / Alarm output	-	-	-	-
IP protection class	67	67	67	67
Compatible with Comfion	✓	✓	✓	✓
Compatible with Secoris	✓	✓	✓	✓
Compatible with Secvest	✓	✓	✓	✓
Compatible with wAppLoxx	✓	✓	✓	✓
Compatible with wAppLoxx Pro	✓	✓	✓	✓
Compatible with ABUS Link Station	✓	✓	✓	✓

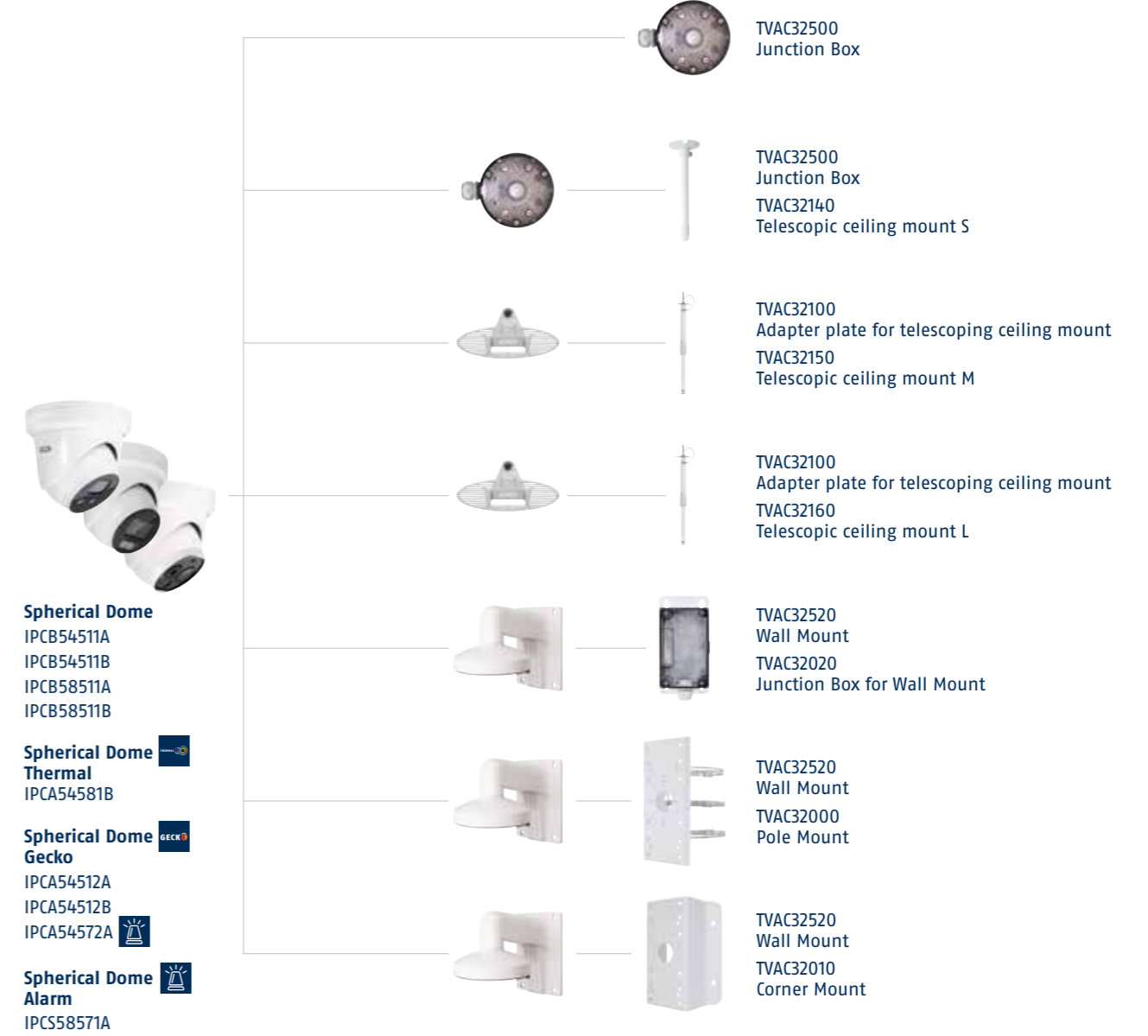
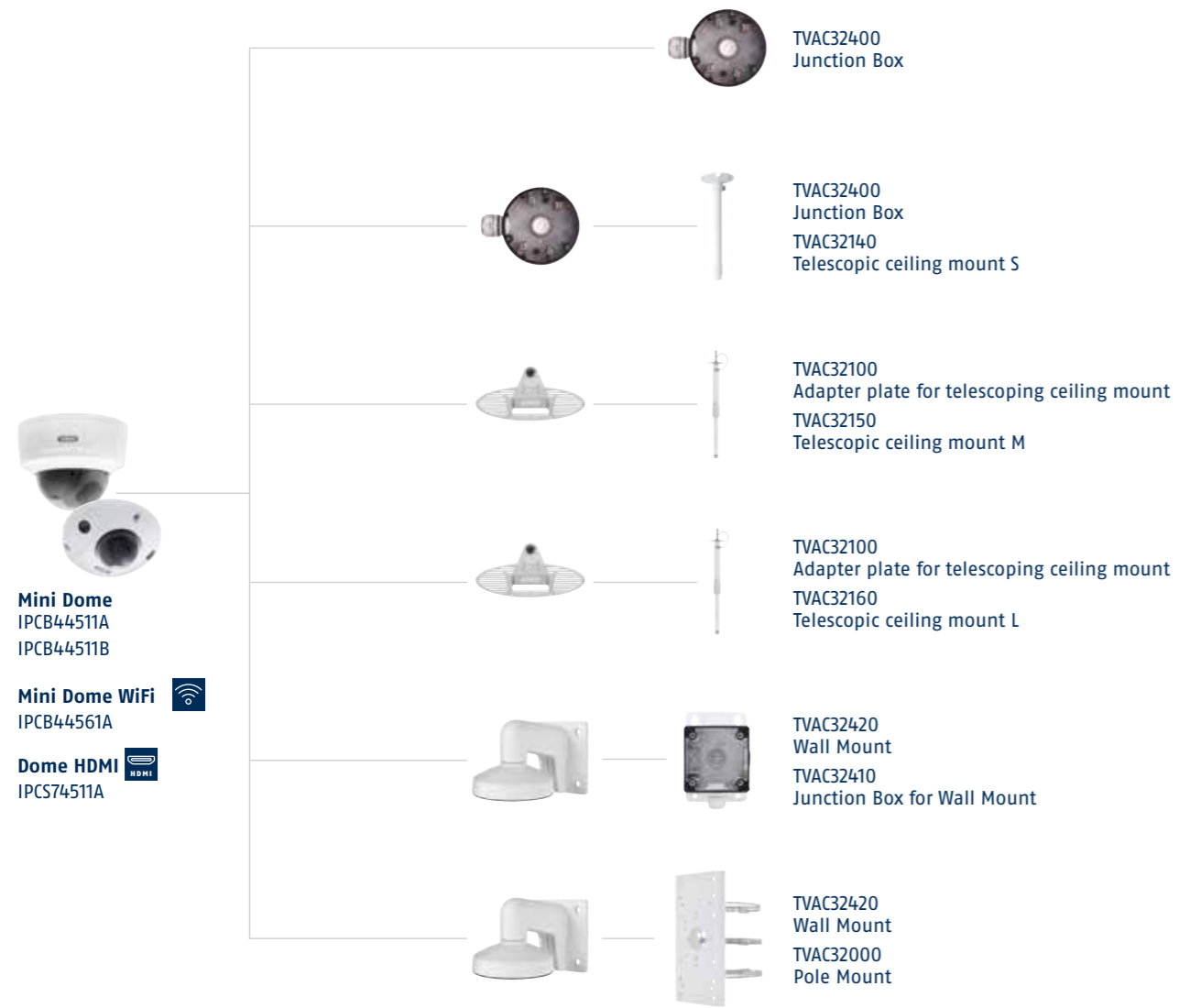
S SPECIAL				
Item number	IPCS64531	IPCS84511	IPCS84532	IPCS84551
Description	IP Tube Number Plate/ANPR	IP Mini PTZ	IP PTZ	IP PTZ Domecamera
Additional functions				
Resolution	4 MPx	4 MPx	4 MPx	4 MPx
Image sensor Progressive Scan CMOS	1/1.8"	1/2.8"	1/2.8"	1/1.8"
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm	4,8 - 120 mm	5,9 - 189 mm
Viewing angle (horizontal/vertical)	42° - 114° / 24° - 59°	31,6° - 96,7° / 1,5° - 30,5°	2,5° - 53° / 1,5° - 30,5°	2,6° - 51° / 1,5° - 30°
IR range (up to)	50 m	20 m	50 m	200 m
Recording options	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*	microSD card, NVR, NAS*
Alarm input / Alarm output	2 / 2	-	2 / 2	2 / 1
IP protection class	67	66	66	66
Compatible with Comfion	✓	✓	✓	✓
Compatible with Secoris	✗	✓	✗	✗
Compatible with Secvest	✗	✓	✗	✗
Compatible with wAppLoxx	✗	✓	✗	✗
Compatible with wAppLoxx Pro	✗	✓	✗	✗
Compatible with ABUS Link Station	✓	✓	✓	✓

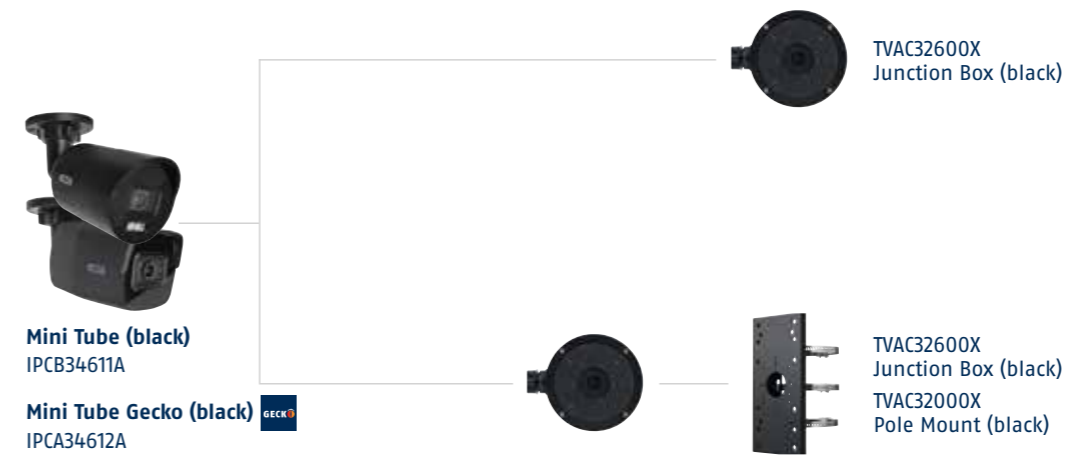
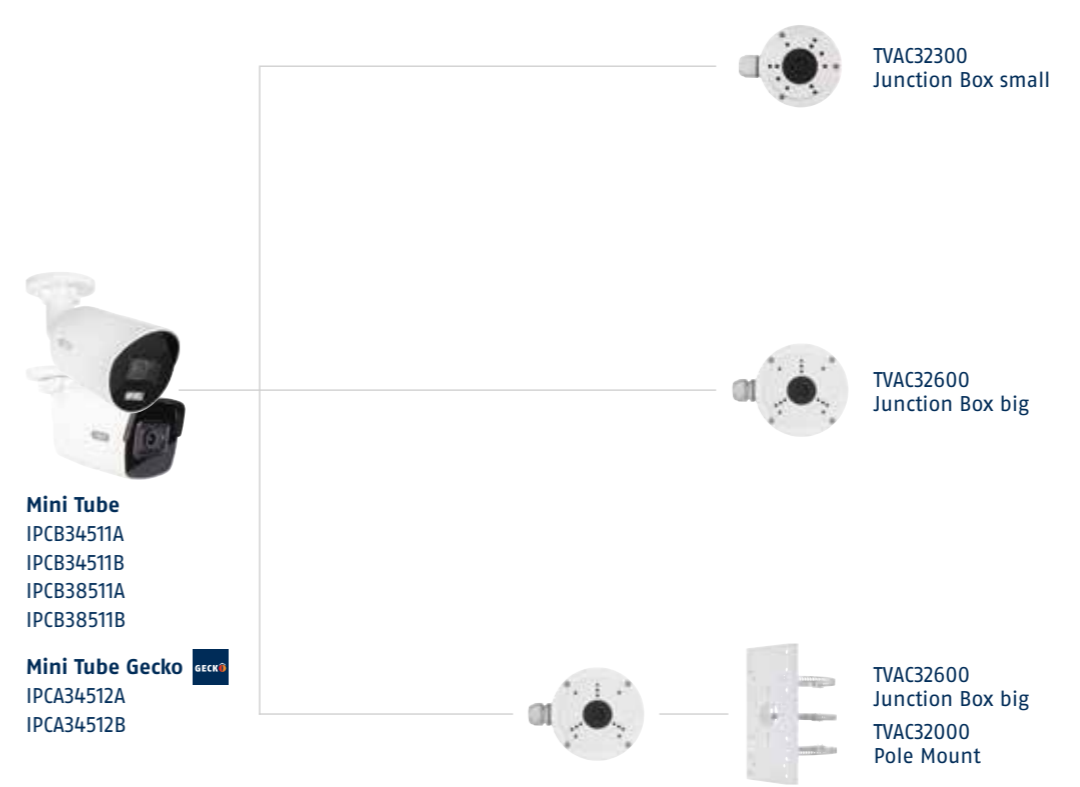
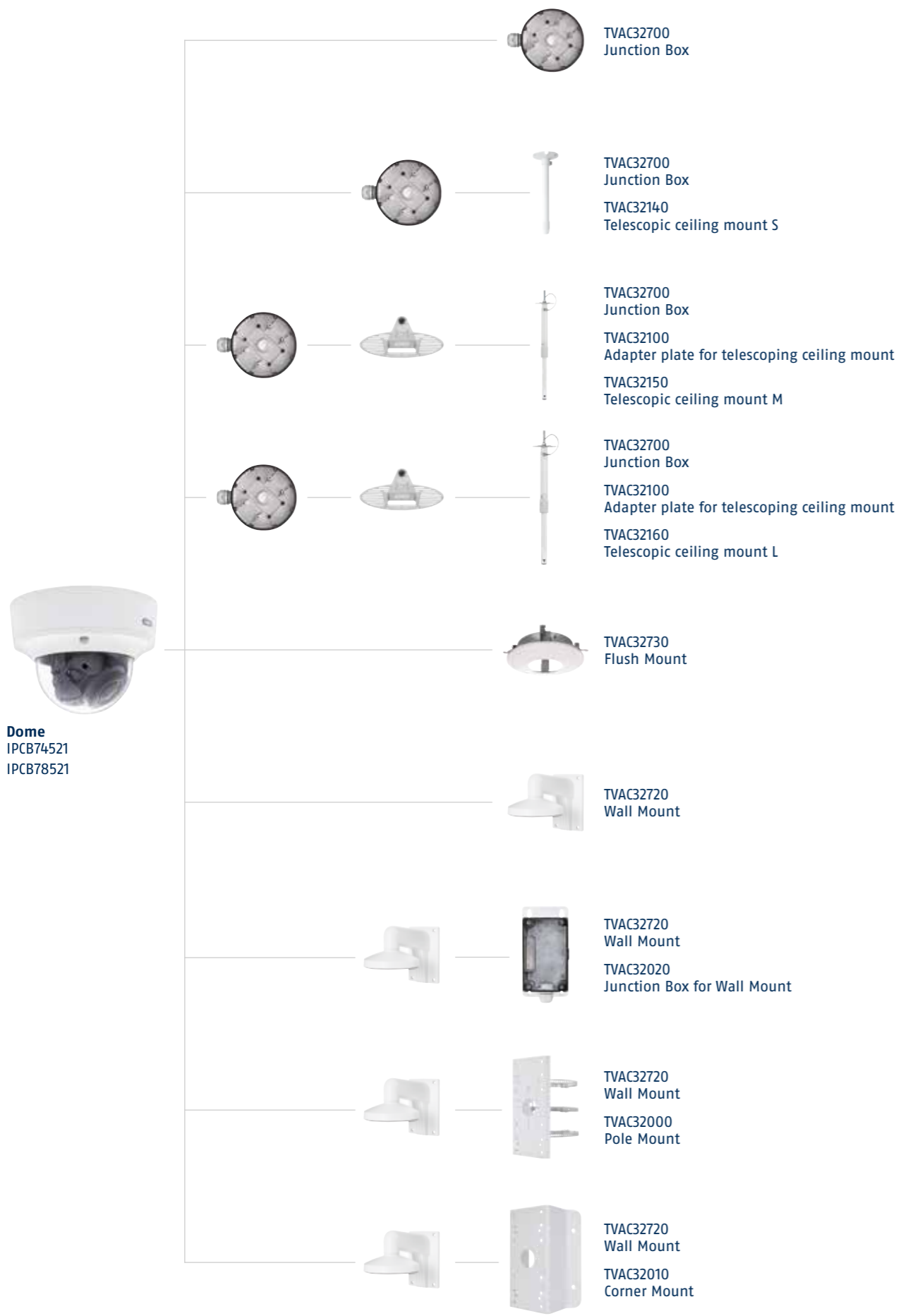
Key: ● Item number variant white ● Item number variant black Gecko (full-colour day/night technology))

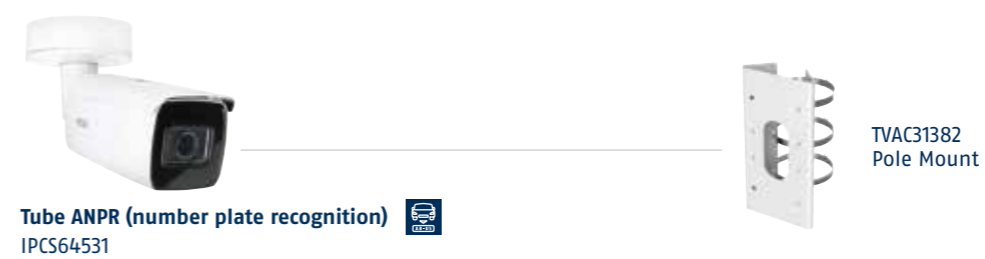
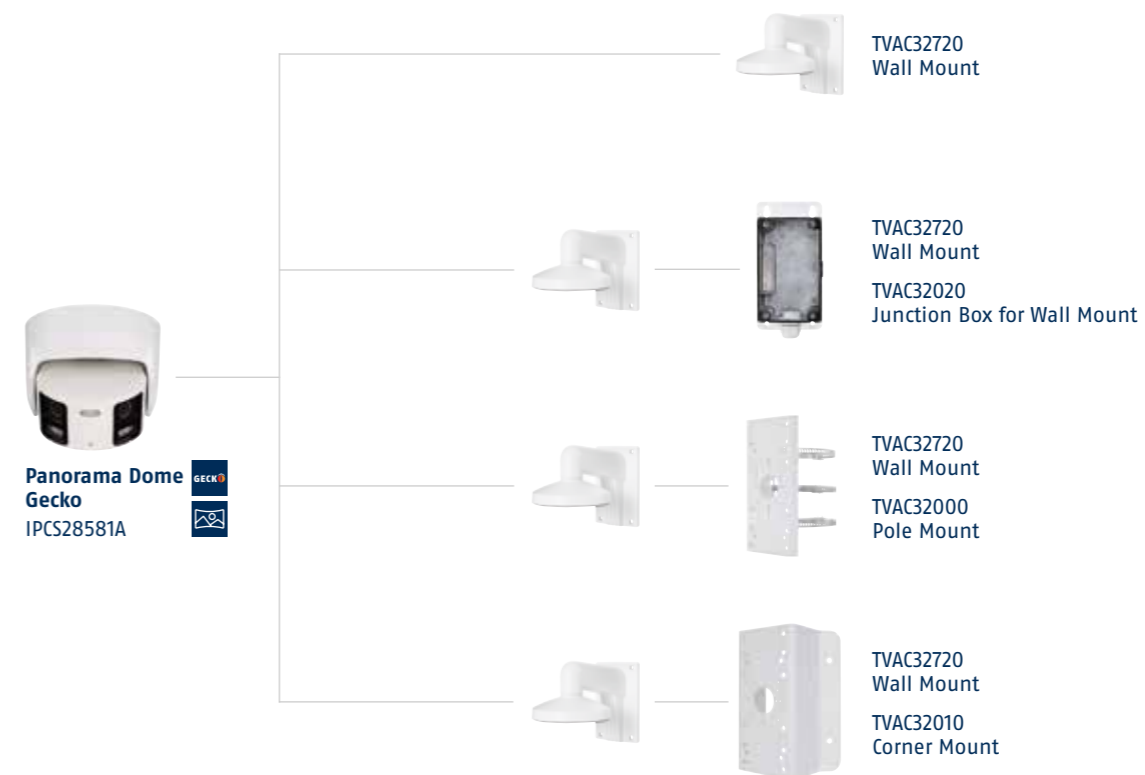
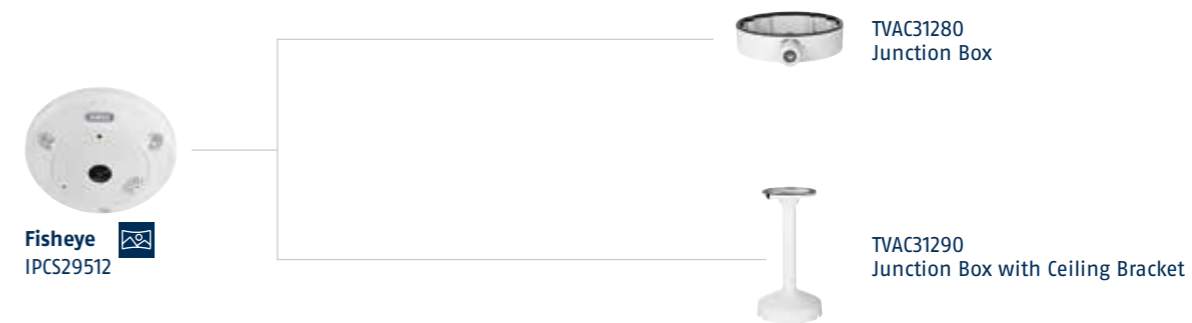
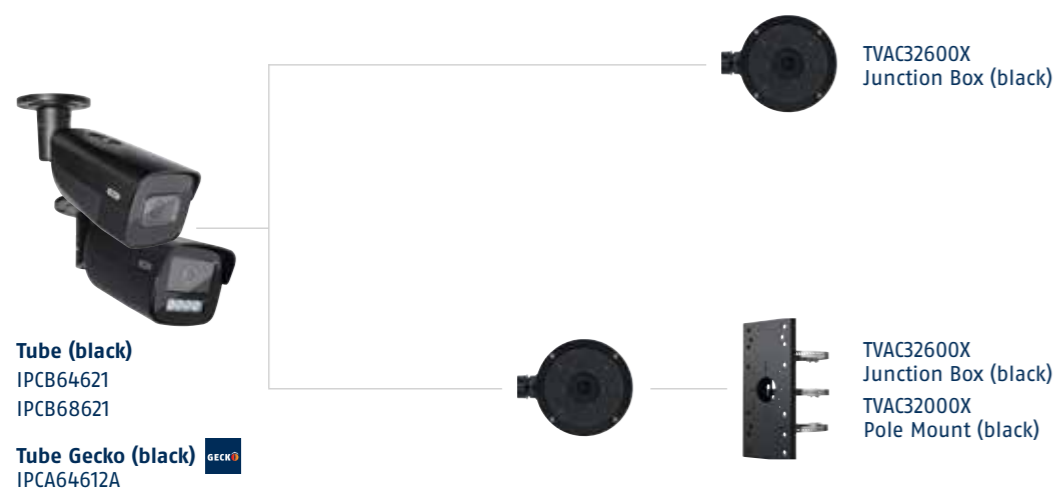
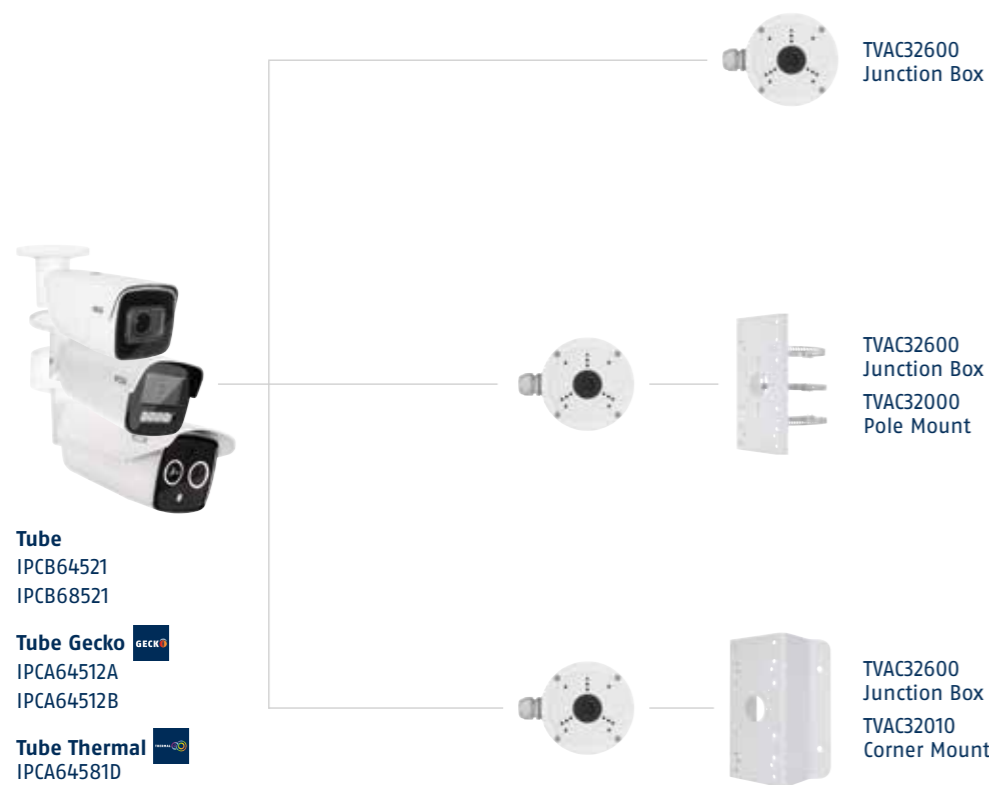
Alarm function Panoramic view Number plate recognition HDMI Pan, tilt, zoom

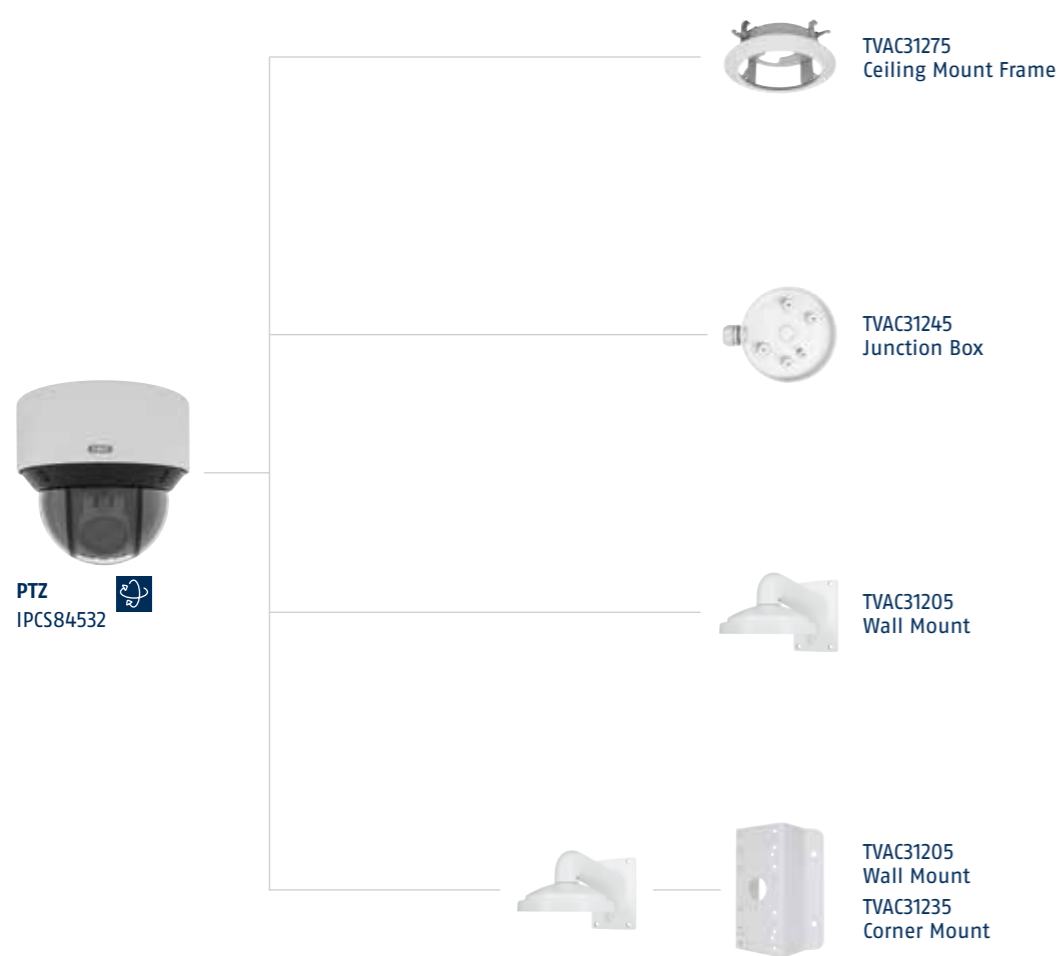
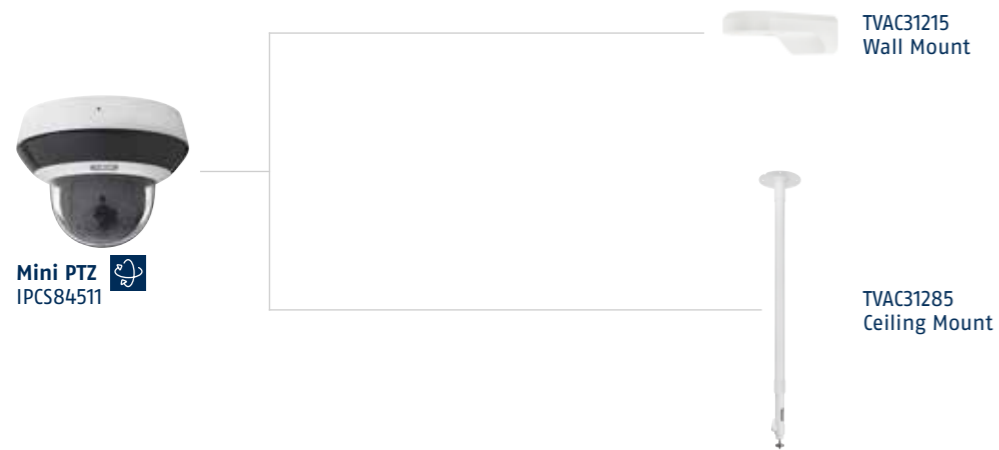
*Synology and QNAP NAS systems (Open Video Network Protocol)

OVERVIEW MOUNTING SOLUTIONS NETWORK TECHNOLOGY









NETWORK TECHNOLOGY CAMERAS BASIC

B
BASIC



Item number **IPC44511A**

B
BASIC



Item number **IPC44611A**

Description	IP Mini Dome 4 MPx (2.8 mm)	IP Mini Dome 4 MPx Black (2.8mm)
	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 mm fixed lens (103° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/ vehicles and disturbances (branches, light, etc.) • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Vandalism- and weatherproof housing (IK08 & IP66) • IR LEDs for very clear night vision (up to 20 m range), without coupling effect thanks to externally located LEDs (no disturbing reflections) • Supports H.264, H.265, MJPEG (incl. Dynamic GOP) • MicroSD card slot for internal data storage 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 mm fixed lens (103° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/ vehicles and disturbances (branches, light, etc.) • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Vandalism- and weatherproof housing (IK08 & IP66); colour: black • IR LEDs for very clear night vision (up to 20 m range), without coupling effect thanks to externally located LEDs (no disturbing reflections) • Supports H.264, H.265, MJPEG (incl. Dynamic GOP) • MicroSD card slot for internal data storage
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps
Image sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Lens	Fix	Fix
Optical zoom	-	-
Minimum illumination (colour)	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	20 m	20 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	Integrated: Microphone	Integrated: Microphone
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	650 mA	650 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67
Protection class IK	8	8
Min. operating temperature	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comfon	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	109 x 58 x 109 mm	109 x 58 x 109 mm
Scope of delivery	1 x IP Mini Dome 4 MPx (2.8 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise • 1 x Adapter plate	1 x IP Mini Dome 4 MPx (2.8 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise • 1 x Adapter plate

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BASIC



Item number **IPC44511B**

B
BASIC



Item number **IPC44611B**

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BASIC



Item number **IPC44561A**

Description	IP Mini Dome 4 MPx (4mm)	IP Mini Dome 4 MPx Black (4mm)	IP Mini Dome Wi-Fi 4 MPx (2.8mm)
	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 4 mm fixed lens (83° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 4 mm fixed lens (83° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 mm fixed lens (103° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps
Image sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	4 mm	4 mm	2,8 mm
Optical zoom	-	-	-
Minimum illumination (colour)	0.003 lx	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	20 m	20 m	20 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP, Sound
Audio	Integrated: Microphone	Integrated: Microphone	Integrated: Microphone; Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC, 1 x Audio out, 1 x Alarm in, 1 x Alarm out
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-	-
Power consumption	650 mA	650 mA	650 mA
PoE standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
Protection class IK	8	8	8
Min. operating temperature	-25 °C	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C	60 °C
Compatible with Comfon	Yes	Yes	Yes
Compatible with Secoris	Yes	Yes	Yes
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	109 x 58 x 109 mm	109 x 58 x 109 mm	109 x 58 x 109 mm
Scope of delivery	1 x IP Mini Dome 4 MPx (4.0 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise • 1 x Adapter plate	1 x IP Mini Dome 4 MPx (4.0 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise • 1 x Adapter plate	1 x IP Mini Dome WiFi 4 MPx (2.8 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise • 1 x Adapter plate



Item number **IPCB54511A** **IPCB54511B** **IPCB54611B**

Description	IP Spherical Dome 4 MPx (2.8mm)	IP Spherical Dome 4 MPx (4mm)	IP Spherical Dome 4 MPx Black (4mm)
	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 mm fixed lens (103° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 4 mm fixed lens (83° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 4 mm fixed lens (83° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps
Image sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	4 mm	4 mm
Optical zoom	-	-	-
Minimum illumination (colour)	0.003 lx	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC (Cable length 280 mm)	1 x RJ45, 1 x DC (Cable length 280 mm)	1 x RJ45, 1 x DC (Cable length 280 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-	-
Power consumption	600 mA	600 mA	600 mA
PoE standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
Protection class IK	-	-	-
Min. operating temperature	-25 °C	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C	60 °C
Compatible with Comfon	Yes	Yes	Yes
Compatible with Secoris	Yes	Yes	Yes
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	139 x 128 x 139 mm	139 x 128 x 139 mm	139 x 128 x 139 mm
Scope of delivery	1 x IP Dome 4 MPx (2.8 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise	1 x IP Dome 4 MPx (4 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise	1 x IP Dome 4 MPx (4 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise



Item number **IPCB58511A** **IPCB58611A** **IPCB58511B**

Description	IP Spherical Dome 8 MPx (2.8mm)	IP Spherical Dome 8 MPx Black (2.8mm)	IP Spherical Dome 8 MPx (4mm)
	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3.840 x 2,160 @ 20 fps for ultra-high resolution surveillance images • 2.8 mm fixed lens (110° angle of view) • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3.840 x 2,160 @ 20 fps for ultra-high resolution surveillance images • 2.8 mm fixed lens (110° angle of view) • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3.840 x 2,160 @ 20 fps for ultra-high resolution surveillance images • 4 mm fixed lens (87° angle of view) • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
Resolution modes	Stream 1: 3840 x 2160 @ 30 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1280 x 720 @ 25 fps	Stream 1: 3840 x 2160 @ 30 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1280 x 720 @ 25 fps	Stream 1: 3840 x 2160 @ 30 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1280 x 720 @ 25 fps
Image sensor	1/1,8" Progressive Scan CMOS	1/1,8" Progressive Scan CMOS	1/1,8" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	2,8 mm	4 mm
Optical zoom	-	-	-
Minimum illumination (colour)	0.003 lx	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR	WDR, BLC, HLC, 3D DNR	WDR, BLC, HLC, 3D DNR
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC (Cable length 280 mm)	1 x RJ45, 1 x DC (Cable length 280 mm)	1 x RJ45, 1 x DC (Cable length 280 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-	-
Power consumption	600 mA	600 mA	600 mA
PoE standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
Protection class IK	-	-	-
Min. operating temperature	-25 °C	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C	60 °C
Compatible with Comfon	Yes	Yes	Yes
Compatible with Secoris	Yes	Yes	Yes
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes	Yes
Max. resolution @ frame rate	3840 x 2160 @ 30 fps	3840 x 2160 @ 30 fps	3840 x 2160 @ 20 fps
Dimensions (W x H x D)	139 x 128 x 139 mm	139 x 128 x 139 mm	139 x 128 x 139 mm
Scope of delivery	1 x IP Dome 8 MPx (2.8 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise	1 x IP Dome 8 MPx (2.8 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise	1 x IP Dome 8 MPx (4 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise



B
BASIC

Item number IPCB74521



B
BASIC

Item number IPCB78521

Description	IP Dome 4 MPx (2.8-12 mm)	IP Dome 8 MPx (2.8 - 12mm)
	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 - 12 mm motorised zoom lens (4x optical zoom, 30°-108° viewing angle) for high flexibility in surveillance and installation • Ultra low-light performance for excellent image results in poorly lit environments • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3,840 x 2,160 @ 20 fps, optimal for larger surveillance areas and grounds • 2.8 - 12 mm motorised zoom lens (4x optical zoom, 46°-108° viewing angle) for high flexibility in surveillance and installation • Ultra low-light performance for excellent image results in poorly lit environments • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 3840 x 2160 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1280 x 720 @ 25 fps
Image sensor	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Motor-Zoom	Motor-Zoom
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm
Optical zoom	4,2 x	4,2 x
Minimum illumination (colour)	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	40 m	40 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP, Sound	E-Mail, NAS, FTP, Sound
Audio	Connectable: Microphone, Loudspeaker	Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output	1 x RJ45, 1 x DC, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	1100 mA	1100 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67
Protection class IK	10	10
Min. operating temperature	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comflon	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	3840 x 2160 @ 30 fps
Dimensions (W x H x D)	154 x 112 x 154 mm	154 x 112 x 154 mm
Scope of delivery	1 x IP Dome 4 MPx (2.8 - 12 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise	1 x IP Dome 8 MPx (2.8 - 12 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise



B
BASIC

Item number IPCB34511A



B
BASIC

Item number IPCB34611A

Description	IP Mini Tube 4 MPx (2.8 mm)	IP Mini Tube 4 MPx Black (2.8 mm)
	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 mm fixed lens (103° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Weatherproof housing (IP67) • IR LEDs for very clear night vision (up to 30 m range) • Supports H.264, H.265, MJPEG (incl. Dynamic GOP) • MicroSD card slot for internal data storage • 12 V DC & PoE (802.3af) 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 mm fixed lens (103° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Weatherproof housing (IP67); colour: black • IR LEDs for very clear night vision (up to 30 m range) • Supports H.264, H.265, MJPEG (incl. Dynamic GOP) • MicroSD card slot for internal data storage • 12 V DC & PoE (802.3af)
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only in surveillance mode)
Image sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Lens	Fix	Fix
Focal length	2,8 mm	2,8 mm
Optical zoom	-	-
Minimum illumination (colour)	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265 (only in surveillance mode)
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Objet Classification Personne/Véhicule
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP	E-Mail, App Push, FTP, CMS
Audio	-	-
Connections	1 x RJ45, 1 x DC (Cable length 280 mm)	1 x RJ45, 1 x DC (Cable length 280 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	600 mA	600 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67
Protection class IK	-	-
Min. operating temperature	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comflon	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	70 x 69 x 170 mm	70 x 69 x 170 mm
Scope of delivery	1 x IP Mini Tube 4 MPx (2.8 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise	1 x IP Mini Tube 4 MPx (2.8 mm) • 1 x Quickstart manual • 1 x Safety Information



Item number **IPC B34511B** **IPC B38511A** **IPC B38511B**

Description	IP Mini Tube 4 MPx (4mm)	IP Mini Tube 8 MPx (4K, 2.8 mm)	IP Mini Tube 8 MPx (4K, 4mm)
	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 4 mm fixed lens (83° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3,840 x 2,160 @ 25 fps for brilliant surveillance images • 2.8 mm fixed lens (102° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3,840 x 2,160 @ 25 fps for brilliant surveillance images • 4 mm fixed lens (78° angle of view) • Ultra low-light performance for excellent image results in poorly lit environments • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 3840 x 2160 @ 30 fps, Stream 2: 640 x 480 @ 30 fps, Stream 3: 1280 x 720 @ 30 fps	Stream 1: 3840 x 2160 @ 30 fps, Stream 2: 640 x 480 @ 30 fps, Stream 3: 1280 x 720 @ 30 fps
Image sensor	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	4 mm	2,8 mm	4 mm
Optical zoom	-	-	-
Minimum illumination (colour)	0.003 lx	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR	WDR, BLC, HLC, 3D DNR
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP	E-Mail, NAS, FTP	E-Mail, NAS, FTP
Audio	-	-	-
Connections	1 x RJ45, 1 x DC (Cable length 280 mm)	1 x RJ45, 1 x DC (Cable length 280 mm)	1 x RJ45, 1 x DC (Cable length 280 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-	-
Power consumption	600 mA	600 mA	600 mA
PoE standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
Protection class IK	-	-	-
Min. operating temperature	-25 °C	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C	60 °C
Compatible with Comfion	Yes	Yes	Yes
Compatible with Secoris	Yes	Yes	Yes
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	3840 x 2160 @ 30 fps	3840 x 2160 @ 30 fps
Dimensions (W x H x D)	70 x 69 x 170 mm	70 x 69 x 170 mm	70 x 69 x 170 mm
Scope of delivery	1 x IP Mini Tube 4 MPx (4 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise	1 x IP Mini Tube 8 MPx (2.8 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise	1 x IP Mini Tube 8 MPx (4 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise



Item number **IPC B64521** **IPC B64621**

Description	IP Tube 4 MPx (2.8-12 mm)	IP Tube 4 MPx Black (2.8 - 12mm)
	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 - 12 mm motorised zoom lens (4x optical zoom, 30°-108° viewing angle) for high flexibility in surveillance and installation, incl. easy setup of focal length, focus and viewing direction • Ultra low-light performance for excellent image results in poorly lit environments • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2,688 x 1,520 @ 25 fps • 2.8 - 12 mm motorised zoom lens (4x optical zoom, 30°-108° viewing angle) for high flexibility in surveillance and installation, incl. easy setup of focal length, focus and viewing direction • Ultra low-light performance for excellent image results in poorly lit environments • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps
Image sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Lens	Motorised zoom	Motor-Zoom
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm
Optical zoom	4,2 x	4,2 x
Minimum illumination (colour)	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	60 m	60 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP, Sound	E-Mail, NAS, FTP, Sound
Audio	Connectable: Microphone, Loudspeaker	Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output (Cable length 160 mm)	1 x RJ45, 1 x DC, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output (Cable length 160 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	1350 mA	1350 mA
PoE standard	IEEE 802.3at	IEEE 802.3at
IP protection class	67	67
Protection class IK	10	10
Min. operating temperature	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comfion	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	2688 x 1520 @ 30 fps
Dimensions (W x H x D)	105 x 105 x 298 mm	105 x 105 x 298 mm
Scope of delivery	1 x IP Tube 4 MPx (2.8 - 12 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise	1 x IP Tube 4 MPx (2.8 - 12 mm) · 1 x Quickstart manual · 1 x Sicherheitshinweise

NETWORK TECHNOLOGY CAMERAS ADVANCED THERMAL



Item number IPCB68521

Item number IPCB68621

Description	IP Tube 8 MPx (2.8 - 12mm)	IP Tube 8 MPx Black (2.8 - 12mm)
	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3,840 x 2,160 @ 20 fps, optimal for larger surveillance areas and grounds • 2.8 - 12 mm motorised zoom lens (4x optical zoom, 46°-108° viewing angle) for high flexibility in surveillance and installation, incl. easy setup of focal length, focus and viewing direction • Ultra low-light performance for excellent image results in poorly lit environments • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.) 	<ul style="list-style-type: none"> • 8 MPx (4K) resolution: 3,840 x 2,160 @ 20 fps, optimal for larger surveillance areas and grounds • 2.8 - 12 mm motorised zoom lens (4x optical zoom, 46°-108° viewing angle) for high flexibility in surveillance and installation, incl. easy setup of focal length, focus and viewing direction • Ultra low-light performance for excellent image results in poorly lit environments • 120 dB WDR function to compensate for image contrasts, strong backlighting etc. • Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
Resolution modes	Stream 1: 3840 x 2160 @ 25 fps, Stream 2: 640 x 480 @ 30 fps, Stream 3: 1280 x 720 @ 30 fps	Stream 1: 3840 x 2160 @ 25 fps, Stream 2: 640 x 480 @ 30 fps, Stream 3: 1280 x 720 @ 30 fps
Image sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Motor-Zoom	Motor-Zoom
Focal length	2,8 - 12,0 mm	2,8 - 12,0 mm
Optical zoom	4,2 x	4,2 x
Minimum illumination (colour)	0.003 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	60 m	60 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Image enhancement	WDR, BLC, HLC, 3D DNR	WDR, BLC, HLC, 3D DNR
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (opt.)
Encryption	HTTPS, TLS 1.1/1.2	HTTPS, TLS 1.1/1.2
Alarming	E-Mail, NAS, FTP, Sound	E-Mail, NAS, FTP, Sound
Audio	Connectable: Microphone, Loudspeaker	Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output (Cable length 160 mm)	1 x RJ45, 1 x DC, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output, 1 x Video output
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	1350 mA	1350 mA
PoE standard	IEEE 802.3at	IEEE 802.3at
IP protection class	67	67
Protection class IK	10	10
Min. operating temperature	-25 °C	-25 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comflon	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	3840 x 2160 @ 25 fps	3840 x 2160 @ 25 fps
Dimensions (W x H x D)	105 x 105 x 298 mm	105 x 105 x 298 mm
Scope of delivery	1 x IP Tube 8 MPx (2.8 - 12 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise	1 x IP Tube 8 MPx (2.8 - 12 mm) • 1 x Quickstart manual • 1 x Sicherheitshinweise



Item number IPCA54581B

Item number IPCA64581D

Description	Thermal Dome Bi-Spectral 4MPx (3.6 / 4.3 mm)	Thermal Tube Bi-Spectral 4MPx (9.7 / 8 mm)
	<ul style="list-style-type: none"> • Thermal camera with bi-spectral technology: Thermal imaging camera and optical camera in one system thanks to thermal and optical image sensor (dual sensor) • Resolution thermal: 256 x 192 pixels to detect the natural heat radiation emitted by all objects and living creatures and localise specific heat sources 	<ul style="list-style-type: none"> • Thermal camera with bi-spectral technology: Thermal imaging camera and optical camera in one system thanks to thermal and optical image sensor (dual sensor) • Resolution thermal: 256 x 192 pixels to detect the natural heat radiation emitted by all objects and living creatures and localise specific heat sources
Image sensor (thermal)	Vanadium Oxid Uncooled Focal Plane Arrays	Vanadium Oxid Uncooled Focal Plane Arrays
Resolution (thermal)	256 x 192	256 x 192
Resolution modes (thermal)	Stream 1: 1280 x 720 @ 25 fps, Stream 2: 704 x 576 @ 25 fps	Stream 1: 1280 x 720 @ 25 fps, Stream 2: 704 x 576 @ 25 fps
Focal length (thermal)	3,6 mm	9,7 mm
Horizontal viewing angle (thermal)	50°	18°
Vertical viewing angle (thermal)	37°	13,5°
Pixel pitch	12 µm	12 µm
Spectral range	8 - 14 µm	8 - 14 µm
NETD	< 40 mK (25°C, F1.1)	< 40 mK (25°C, F1.1)
Min. focus distance (thermal)	0.4 m	3.5 m
Temperature measurement	21 measuring rules (10 measuring points, 10 measuring areas, 1 measuring line)	21 measuring rules (10 measuring points, 10 measuring areas, 1 measuring line)
Temperature measuring range	-20 - 150 °C	-20 - 150 °C
Temperature measurement accuracy	+/-8 °C	+/-8 °C
Temperature measurement range (1 x 1 m / 0.2 x 0.2 m):	58 Meter / 12 Meter	160 Meter / 32 Meter
Range VCA (human / vehicle)	28 meters / 76 meters	80 meters / 200 meters
Image sensor	1/2.7" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 704 x 576 @ 25 fps	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 704 x 576 @ 25 fps
Lens	Fixed	Fixed
Focal length	4,3 mm	8 mm
Minimum illumination (colour)	0.01 lx	0.01 lx
Horizontal viewing angle	84°	39,5°
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	15 m	30 m
Video Content Analysis (VCA)	Thermal: 8 VCA rules (intrusion, tripwire, area entry, area exit), object classification person/vehicle	Thermal: 8 VCA rules (intrusion, tripwire, area entry, area exit), object classification person/vehicle
Alarming	Flash, Loudspeaker, Alarm Out, Email, FTP	Flash, Loudspeaker, Alarm Out, Email, FTP
Audio	Integrated: Loudspeaker; Connectable: Microphone, Loudspeaker	Integrated: Loudspeaker; Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC, 1 x alarm in, 1 x alarm out, 1 x audio in, 1 x audio out, 1 x RS485	1 x RJ45, 1 x DC, 2 x alarm in, 2 x alarm out, 1 x audio in, 1 x audio out, 1 x RS485
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	550 mA	700 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	66	67
Min. operating temperature	-40 °C	-40 °C
Max. operating temperature	65 °C	65 °C
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 25 fps	2688 x 1520 @ 25 fps
Dimensions (W x H x D)	139 x 128 x 139 mm	106 x 107 x 321 mm
Scope of delivery	1 x Thermal Dome Bi-spectral • 1 x Quickstart manual • 1 x Safety Information	1 x Thermal Tube Bi-spectral • 1 x Quickstart manual • 1 x Safety Information

NETWORK TECHNOLOGY CAMERAS ADVANCED GECKO



Item number **IPCA54512A**

Item number **IPCA54612A**

Description	IP Spherical Dome 4 MPx (2.8 mm, IR/WL)	IP Spherical Dome 4 MPx Black (2.8 mm, IR/WL)
	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 2.8 mm fixed lens for a good overview (110° viewing angle) • Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor • Illumination of the field of view with white light LEDs (up to 30 m range) for accurate colour images in total darkness (e.g. indoors); precisely metered illumination for the light-sensitive image sensor • Integrated infrared LEDs for detailed black/white night vision and intelligent switching between IR and colour night vision (Gecko) 	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 2.8 mm fixed lens for a good overview (110° viewing angle) • Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor • Illumination of the field of view with white light LEDs (up to 30 m range) for accurate colour images in total darkness (e.g. indoors); precisely metered illumination for the light-sensitive image sensor • Integrated infrared LEDs for detailed black/white night vision and intelligent switching between IR and colour night vision (Gecko)
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)
Image sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Fix	Fix
Focal length	2,8 mm	2,8 mm
Minimum illumination (colour)	0.0005 lx	0.0005 lx
White-light range (up to)	30 m	30 m
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)
Storage medium	Optional microSD card (max. 512 GB)	Optional microSD card (max. 512 GB)
Encryption	HTTPS, TLS 1.1/1.2/1.3	HTTPS, TLS 1.1/1.2/1.3
Alarming	Email, NAS, FTP, App Push	Email, NAS, FTP, App Push
Audio	Integrated: Microphone	Integrated: Microphone
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	600 mA	600 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67
Protection class IK	-	-
Min. operating temperature	-30 °C	-30 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comfion	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 25 fps	2688 x 1520 @ 25 fps
Dimensions (W x H x D)	138 x 130 x 138 mm	138 x 130 x 138 mm
Scope of delivery	1 x IP Dome 4 MPx (2.8 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions	1 x IP Dome 4 MPx (2.8 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions



Item number **IPCA54512B**

Item number **IPCA54572A**

Description	IP Spherical Dome 4 MPx (4 mm, IR/WL)	IP Spherical Dome 4 MPx (2.8 mm, IR/WL)
	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 4 mm fixed lens for a good overview (95° viewing angle) • Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor • Illumination of the field of view with white light LEDs (up to 30 m range) for accurate colour images in total darkness (e.g. indoors); precisely metered illumination for the light-sensitive image sensor 	<ul style="list-style-type: none"> • 2-way audio security camera with integrated microphone, loudspeaker and flashing light for intercom to address people and perpetrators, as well as acoustic and visual alarms • Integrated alarm input/output (I/O) for switching scenarios for effective alarm triggering or optimisation of operating procedures (e.g. sales room) • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 2.8 mm fixed lens for a good overview (110° viewing angle)
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)
Image sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Fix	Fixed
Focal length	4 mm	2,8 mm
Minimum illumination (colour)	0.0005 lx	0.0005 lx
White-light range (up to)	30 m	30 m
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)
Storage medium	Optional microSD card (max. 512 GB)	Optional microSD card (max. 512 GB)
Encryption	HTTPS, TLS 1.1/1.2/1.3	HTTPS, TLS 1.1/1.2/1.3
Alarming	Email, NAS, FTP, App Push	Flash, loudspeaker, e-mail, NAS, FTP, App Push
Audio	Integrated: Microphone	Integrated: Microphone, Loudspeaker; Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC, 1 x alarm input, 1 x alarm output, 1 x audio input, 1 x audio output (cable length 220 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	600 mA	600 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67
Protection class IK	-	-
Min. operating temperature	-30 °C	-30 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comfion	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 25 fps	2688 x 1520 @ 25 fps
Dimensions (W x H x D)	138 x 130 x 138 mm	138 x 130 x 138 mm
Scope of delivery	1 x IP Dome 4 MPx (4 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions	1 x IP Dome 4 MPx (2.8 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions



Item number **IPCA34512A** **IPCA34612A** **IPCA34512B**

Description	IP Mini Tube 4 MPx (2.8 mm, IR/WL)	IP Mini Tube 4 MPx Black (2.8 mm, IR/WL)	IP Mini Tube 4 MPx (4 mm, IR/WL)
	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 2.8 mm fixed lens for a good overview (104° viewing angle) • Detailed, highly usable colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor 	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 2.8 mm fixed lens for a good overview (104° viewing angle) • Detailed, highly usable colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor 	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 4 mm fixed lens for a good overview (89° viewing angle) • Detailed, highly usable colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)
Image sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Fix	Fix	Fix
Focal length	2,8 mm	2,8 mm	4 mm
Minimum illumination (colour)	0.0005 lx	0.0005 lx	0.0005 lx
White-light range (up to)	30 m	30 m	30 m
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)
Storage medium	Optional microSD card (max. 512 GB)	Optional microSD card (max. 512 GB)	Optional microSD card (max. 512 GB)
Encryption	HTTPS, TLS 1.1/1.2/1.3	HTTPS, TLS 1.1/1.2/1.3	HTTPS, TLS 1.1/1.2/1.3
Alarming	Email, NAS, FTP, App Push	Email, NAS, FTP, App Push	Email, NAS, FTP, App Push
Audio	Integrated: Microphone	Integrated: Microphone	Integrated: Microphone
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-	-
Power consumption	600 mA	600 mA	600 mA
PoE standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
Protection class IK	-	-	-
Min. operating temperature	-30 °C	-30 °C	-30 °C
Max. operating temperature	60 °C	60 °C	60 °C
Compatible with Comfon	Yes	Yes	Yes
Compatible with Secoris	Yes	Yes	Yes
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 25 fps	2688 x 1520 @ 25 fps	2688 x 1520 @ 25 fps
Dimensions (W * H * D)	74 x 75 x 179 mm	74 x 75 x 179 mm	74 x 75 x 179 mm
Scope of delivery	1 x IP Mini Tube 4 MPx (2.8 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions	1 x IP Mini Tube 4 MPx (2.8 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions	1 x IP Mini Tube 4 MPx (4.0 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions



Item number **IPCA64512A** **IPCA64612A** **IPCA64512B**

Description	IP Tube 4 MPx (2.8 mm, IR/WL)	IP Tube 4 MPx Black (2.8 mm, IR/WL)	IP Tube 4 MPx (4 mm, IR/WL)
	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 2.8 mm fixed lens for a good overview (104° viewing angle) • Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor 	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 2.8 mm fixed lens for a good overview (104° viewing angle) • Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor 	<ul style="list-style-type: none"> • 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images • 4 mm fixed lens for a good overview (89° viewing angle) • Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)
Image sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Fixed	Fixed	Fixed
Focal length	2,8 mm	2,8 mm	4 mm
Minimum illumination (colour)	0.0005 lx	0.0005 lx	0.0005 lx
White-light range (up to)	60 m	60 m	60 m
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	60 m	60 m	60 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video Content Analysis (VCA)	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)
Storage medium	Optional microSD card (max. 512 GB)	Optional microSD card (max. 512 GB)	Optional microSD card (max. 512 GB)
Encryption	HTTPS, TLS 1.1/1.2/1.3	HTTPS, TLS 1.1/1.2/1.3	HTTPS, TLS 1.1/1.2/1.3
Alarming	Email, NAS, FTP, App Push	Email, NAS, FTP, App Push	Email, NAS, FTP, App Push
Audio	-	-	-
Connections	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC	1 x RJ45, 1 x DC
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-	-
Power consumption	750 mA	750 mA	750 mA
PoE standard	IEEE 802.3af	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67	67
Protection class IK	-	-	-
Min. operating temperature	-30 °C	-30 °C	-30 °C
Max. operating temperature	60 °C	60 °C	60 °C
Compatible with Comfon	Yes	Yes	Yes
Compatible with Secoris	Yes	Yes	Yes
Compatible with Secvest	Yes	Yes	Yes
Compatible with wAppLoxx	Yes	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 25 fps	2688 x 1520 @ 25 fps	2688 x 1520 @ 25 fps
Dimensions (W * H * D)	94 x 87 x 277 mm	94 x 87 x 277 mm	94 x 87 x 277 mm
Scope of delivery	1 x IP Tube 4 MPx (2.8 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions	1 x IP Tube 4 MPx (2.8 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions	1 x IP Tube 4 MPx (4 mm, IR/WL) • 1 x Quick guide • 1 x Safety instructions

NETWORK TECHNOLOGY CAMERAS SPECIAL



NEW



Item number **IPCS74511A**

Item number **IPCS58571A**

Description	IP Dome 4MPx (2.8mm) with HDMI port	IP Spherical Dome 8 MPx (2.8 mm) with 2WAY Audio & Alarm
	<ul style="list-style-type: none"> Direct display of the camera image on an HDMI monitor (HDMI V1.4, max. 1080p60) 4 MPx resolution (2688 x 1520 @ 25 fps) for conclusive surveillance videos Video data is simultaneously transmitted to the IP network and displayed on a monitor via HDMI cable 	<ul style="list-style-type: none"> 2-way audio security camera with integrated microphone, loudspeaker and flashing light for intercom to address people and perpetrators, as well as alarms (acoustic, visual) Integrated alarm input/output (I/O) for switching scenarios for effective alarm utilisation or optimisation of operating procedures (e.g. sales room)
Resolution modes	Stream 1: 2688 x 1520 @ 30 fps, Stream 2: 1280 x 720 @ 30 fps, Stream 3: 1920 x 1080 @ 10 fps, Stream 4: 1280 x 720 @ 10 fps	Stream 1: 3840 x 2160 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only in surveillance mode)
Image sensor	1/3" Progressive Scan CMOS	1/1,8" Progressive Scan CMOS
Lens	Fixed	Fix
Focal length	2,8 mm	2,8 mm
Optical zoom	No	-
Digital zoom	-	Yes
Pan/tilt range	-	-
Minimum illumination (colour)	0.003 lx	0.003 lx
Minimum illumination (IR)	-	0 lx
IR range (up to)	30 m	30 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, Stream 4: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265 (only in surveillance mode)
Video Content Analysis (VCA)	Object Detection of People & Vehicles for tripwire detection, intrusion detection, area entry area exit	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Other functions	Object detection Person/Vehicle	Object Classification Person/Vehicle
Image enhancement	-	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Encryption	HTTPS, TLS 1.1/1.2/1.3	HTTPS, TLS 1.1/1.2
Storage medium	Optional microSD-Card (max. 512 GB)	microSD card, 256 GB (opt.)
Alarming	E-Mail, App Push, FTP, CMS	Flash, Loudspeaker, Email, App Push, FTP, CMS
Audio	Yes	Integrated: Microphone, Loudspeaker; Connectable: Microphone, Loudspeaker
Connections	1x RJ45, 1x DC, 1x Alarm input, 1x Alarm output, 1x Audio input, 1x Audio output	1x RJ45, 1x DC, 1x alarm input, 1x alarm output, 1x audio input, 1x audio output (cable length 250 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	700 mA	800 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	-	67
Protection class IK	20	-
Min. operating temperature	-10 °C	-25 °C
Max. operating temperature	40 °C	60 °C
Compatible with Comfion	Yes	Yes
Compatible with Secoris	Yes	Yes
Compatible with Secvest	Yes	Yes
Compatible with wAppLoxx	Yes	Yes
Compatible with wAppLoxx Pro	Yes	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 30 fps	3840 x 2160 @ 30 fps
Dimensions (W x H x D)	119 x 90 x 119 mm	139 x 128 x 139 mm
Scope of delivery	1 x IP Dome 4MPx (2.8mm), HDMI-Port • 1 x Quickstart manual • 1 x Safety Information • 1 x HDMI type D - type A adapter cable • 1 x I/O connection cable	1 x IP Dome 8 MPx (2.8 mm) • 1 x Quickstart manual • 1 x Safety Information



Item number **IPCS29512**



Item number **IPCS28581A**

Description	IP Fisheye 12 MPx	IP Panorama Dome 8 MPx (180°, WL)
	<ul style="list-style-type: none"> 360°/180° panoramic views with panomorph wide-angle lens 12 MPx resolution: 4000 x 3000 @ 20 fps Heatmap for visualization and analysis of visitor flows, queues, etc., with automatic people counting (e.g. for monitoring access restrictions) 	<ul style="list-style-type: none"> 8 MPx resolution (5,120 x 1,440 @ 20 fps) to cover large surveillance areas (terrain, open-air surveillance) 180° panoramic surveillance camera with dual lens technology (2 camera modules with 4 mm lens focal length each) for the optimal overview of large areas, squares and terrain with just one camera
Resolution modes	Fisheye (max. 4000x3072 @ 20 fps) or Panorama (max. 3072x2304 @ 15 fps) or 4xPTZ (1600x1200 @ 15 fps) or Fisheye+3xPTZ (max. 2560x2560 @ 10 fps / 1600x1200 @ 10 fps)	WDR off: Stream 1: 5120 x 1440 @ 20 fps, Stream 2: 1920 x 536 @ 20 fps, WDR on: Stream 1: 5120 x 1440 @ 12.5 fps, Stream 2: 1920 x 536 @ 12.5 fps
Image sensor	1/1.7" Progressive Scan CMOS	2 x 1/1,8" Progressive Scan CMOS
Lens	Fixed	Fixed
Focal length	1,29 mm	2 x 4 mm
Optical zoom	-	-
Digital zoom	ePTZ	Yes
Pan/tilt range	360°/180° (ePTZ)	-
Minimum illumination (colour)	0.015 lx	0.0005 lx
White-light range (up to)	-	30 m
Minimum illumination (IR)	0 lx	-
IR range (up to)	15 m	-
Video compression	H.264, MJPEG	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire, Intrusion Detection, Region Enter, Region Exit, Unattended baggage, Lost object	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Other functions	Heat Map, Intersection analysis	Object Classification Person/Vehicle
Image enhancement	DWDR, BLC, HLC, 3D-DNR	-
Encryption	HTTPS	HTTPS, TLS 1.2
Storage medium	microSD (256 GB)	microSD card, 256 GB (opt.)
Alarming	Yes	-
Audio	Integrated: Microphone, Loudspeaker; Connectable: Microphone, Loudspeaker	Integrated: Microphone, Loudspeaker; Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC, 1 x Alarm-In, 1 x Alarm-Out, 1 x Audio-In, 1 x Audio-Out	1 x RJ45, 1 x DC, 1 x Alarm-in, 1 x Alarm-out, 1 x Audio-in, 1 x Audio-out
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
AC voltage supply	-	-
Power consumption	900 mA	900 mA
PoE standard	IEEE 802.3af	IEEE 802.3af
IP protection class	67	67
Protection class IK	10	-
Min. operating temperature	-40 °C	-30 °C
Max. operating temperature	60 °C	-
Compatible with Comfion	No	No
Compatible with Secoris	No	No
Compatible with Secvest	No	No
Compatible with wAppLoxx	No	No
Compatible with wAppLoxx Pro	No	No
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	4000 x 3072 @ 20 fps	5120 x 1440 @ 20 fps
Dimensions (W x H x D)	164 x 44 x 164 mm	155 x 155 x 155 mm
Scope of delivery	1 x Outdoor Hemispheric IP Dome 12 MPx • 1 x Safety instructions • 1 x Quickstart manual	1 x IP Panorama Dome 8 MPx (180°, WL) • 1 x Quickstart manual • 1 x Safety Information



Item number **IPCS64531**

Item number **IPCS84511**

Description	IP Tube 4 MPx (2.8-12 mm, licence plate/ANPR)	IP Mini PTZ 4 MPx (4x)
	<ul style="list-style-type: none"> • 4 MPx resolution: 2.688 × 1,520 @ 25 fps for accurate surveillance images and number plate recognition • 2.8-12 mm motorised zoom lens (4x optical zoom, 42°-114° viewing angle) for flexible choice of installation location, incl. easy setup of focal length, focus and viewing direction • Number plate recognition on vehicles (up to max. 70 km/h) for automatically controlling barriers, gates, etc. (ANPR: Automatic Number Plate Recognition); 	<ul style="list-style-type: none"> • 4 Mpx resolution: 2.560 x 1.440 @ 25 fps • 4x optical zoom, 16x digital zoom • Ultra low-light performance for excellent results in low light • 120 dB WDR function to compensate for image contrasts • Pan-tilt camera with infrared night vision function • Weatherproof housing (IP66), shock resistance level (IK10) • IR LEDs (up to 20-m range) • Supports H.264, H.265, MJPEG (incl. dynamic GOP)
Resolution modes	Stream 1: 2688 x 1520 @ 30 fps, Stream 2: 704 x 576 @ 30 fps, Stream 3: 1920 x 1080 @ 30 fps, Stream 4: max. 1.920 x 1.080 @ 30 fps, Stream 5: max. 704 x 576 @ 30 fps	Stream 1: 2.560 x 1.440 @ 25 fps, Stream 2: 704 x 576 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps
Image sensor	1/1.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Lens	Motor-Zoom, Autofokus	Motor-Zoom
Focal length	2,8 – 12,0 mm	2,8 – 12,0 mm
Optical zoom	4,2 x	4x
Digital zoom	Yes	16 x
Pan/tilt range	-	355° / 0° – 90°
Minimum illumination (colour)	0.0005 lx	0.005 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	50 m	20 m
Video compression	Stream 1: H.264, H.265, H.264+, H.265+, Stream 2/3/4/5: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	ANPR - Automatic Number Plate Recognition (Europe, max. 70 km/h, single/double line plates)	Tripwire, Intrusion Detection, Region Enter, Region Exit
Other functions	Black/White List (max. 10000 number plates)	-
Image enhancement	WDR, BLC, HLC, 3D DNR, EIS Electr. Image Stabilizer	-
Encryption	HTTPS	HTTPS, TLS 1.2
Storage medium	microSD card, 256 GB (opt.)	microSD card, 256 GB (option)
Alarming	E-Mail, App Push, FTP, CMS	E-Mail, NAS, FTP
Audio	Connectable: Microphone, Loudspeaker	Integrated: Microphone; Connectable: Microphone, Loudspeaker
Connections	1 x RJ45, 1 x DC, 2 x alarm in, 2 x alarm out, 1 x Wiegand, 1 x DC out, 1 x audio in, 1 x audio out, 1 x RS485	Audio input / Audio output
DC voltage supply	12 (+/-20 %) V	12 (+/-10 %) V
AC voltage supply	-	-
Power consumption	1400 mA	800 mA
PoE standard	IEEE 802.3at	IEEE 802.3af
IP protection class	67	66
Protection class IK	10	10
Min. operating temperature	-30 °C	-20 °C
Max. operating temperature	60 °C	60 °C
Compatible with Comfon	Yes	Yes
Compatible with Secoris	No	Yes
Compatible with Secvest	No	Yes
Compatible with wAppLoxx	No	Yes
Compatible with wAppLoxx Pro	No	Yes
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2688 x 1520 @ 25/30 fps	2560 x 1440 @ 30 fps
Dimensions (W × H × D)	140 x 140 x 350 mm	131 x 102 x 131 mm
Scope of delivery	1 x IP Tube (4 MPx, 2.8 - 12 mm, ANPR) • 1 x Junction box • 1 x Quickstart manual • 1 x Safety Information	1 x IP Mini PTZ 4 MPx (4x) • 1 x Quickstart manual • 1 x Safety Information



Item number **IPCS84532**



Item number **IPCS84551**

Description	IP PTZ 4 MPx (25x)	IP PTZ Dome 4 MPx (32x)
	<ul style="list-style-type: none"> • 4 MPx Resolution: 2.560 x 1.440 @ 25 fps • 25x autofocus zoom lens (4.8-120 mm) • Ultra low-light performance for excellent low-light environments • 120 dB WDR function to compensate for image contrasts • 8 programmable tours with up to 32 preset positions each • Weather protected housing (IP66) • IR LEDs (range up to 50 m) • Supports H.264, H.265, MJPEG (including dynamic GOP) 	<ul style="list-style-type: none"> • 4 MPx Resolution: 2,560 x 1,440 @ 25 fps • 32x optical zoom: Tele-motor zoom lens (focal length 5.9-189 mm for 51-2.6° viewing angle) for monitoring large areas up to 3 km away • Intelligent object detection and precise motion detection with fully automatic differentiation between people/vehicles and disruptive influences (branches, light, etc.)
Resolution modes	Stream 1: 2.560 x 1.440 @ 25 fps, Stream 2: 704 x 576 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps	Stream 1: 2.560 x 1.440 @ 25 fps, Stream 2: 704 x 576 @ 25 fps, Stream 3: 1.920 x 1.080 @ 25 fps
Image sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Motorised zoom, autofocus	Motorised zoom, autofocus
Focal length	4,8 – 120 mm	5,9 - 189 mm
Optical zoom	25x	32x
Digital zoom	16x	16x
Pan/tilt range	0 – 360° / -5° – 90°	360°/-15°~90°
Minimum illumination (colour)	0.005 lx	0.005 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	50 m	200 m
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video Content Analysis (VCA)	Tripwire, Intrusion Detection, Region Enter, Region Exit	Tripwire, Intrusion Detection, Region Enter, Region Exit
Other functions	Smart Tracking, Object classification human/vehicle	Smart Tracking, Object classification human/vehicle
Image enhancement	BLC, HLC, 3D DNR	WDR, 3D DNR, EIS Electr. Image Stabilizer
Encryption	HTTPS, TLS 1.2/1.3	HTTPS
Storage medium	microSD card, 256 GB (option)	Optional microSD card (max. 256 GB)
Alarming	Email, FTP, alarm output, recording, PTZ	E-Mail, FTP, Relais, App Push, Flash
Audio	Connectable: microphone, loudspeaker	Integrated: Loudspeaker; Connectable: Microphone, Loudspeaker
Connections	1 x DC, 1 x RJ45, 2 x Alarm input, 2 x Alarm output, 1 x Audio input, 1 x Audio output	1 x RJ45, 1 x AC, 1 x audio input, 1 x audio output, 2 x alarm input, 1 x alarm output
DC voltage supply	12 (+/-10 %) V	-
AC voltage supply	-	24 (+/-10 %) V
Power consumption	2000 mA	1750 mA
PoE standard	IEEE 802.3at	IEEE 802.3bt
IP protection class	66	66
Protection class IK	-	10
Min. operating temperature	-30 °C	-30 °C
Max. operating temperature	65 °C	65 °C
Compatible with Comfon	Yes	Yes
Compatible with Secoris	No	No
Compatible with Secvest	No	No
Compatible with wAppLoxx	No	No
Compatible with wAppLoxx Pro	No	No
Compatible with ABUS Link Station	Yes	Yes
Max. resolution @ frame rate	2560 x 1440 @ 25 fps	2560 x 1440 @ 25 fps
Dimensions (W × H × D)	169 x 161 x 169 mm	363 x 185 mm
Scope of delivery	1 x IP PTZ 4 MPx (25x) • 1 x Quickstart manual • 1 x Safety Information	1 x IP PTZ 4 MPx (32x) • 1 x Quickstart manual • 1 x Safety Information

NETWORK TECHNOLOGY RECORDER



Item number **NVR10011**

Description **5-Channel Network Video Recorder (NVR)**

- Live view and recording of up to 5 IP cameras @ 8 MPx (4K)
- High-performance network data throughput with up to 336 MBit/s (80 MBit/s in / 256 MBit/s out)
- Simple operation locally on the device, via web browser, ABUS CMS software or app
- Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time
- Manual or controlled recording according to schedule, motion detection, alarm input or VCA
- Recording on up to 2 SATA hard drives for extensive and reliable storage of video data

Total network throughput (input/output)	336 MBit/s (80 MBit/s/256 MBit/s)
Storage medium	2 x SATA HDD (up to 16 TB per HDD)
Recording modes	Manual, Schedule, Motion Detection, Alarm Input, VCA
Storage	1 x USB 2.0, 1 x USB 3.0
Search modes	Event, Date & Time, Smart Search, VCA
Alarming	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push
Monitor outputs	1 x VGA, 1 x HDMI
Resolution HDMI output	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz
Resolution VGA output	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Views	1 / 4 / 6 / 8 / 9
Control	USB mouse, IP network via Internet browser/ABUS CMS
Network access	2 x RJ45 10/100 /1000 Mbps
Network functions	Live view, playback, data export, settings
Simultaneous network access	128 camera connections
PoE standard	-
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 1 x Cinch (1000 Ω)
Relay output	1 (load capacity: 12 V DC/1 A)
Alarm inputs (NO/NC)	4
DC voltage supply	12 V
AC voltage supply	100 - 240 V
Compatible with ABUS Link Station	Yes
Recording resolution @ frame rate per camera	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps
Certifications	-
Dimensions (W × H × D)	380 x 50 x 315 mm
Scope of delivery	1 x Embedded NVR • 1 x USB wireless mouse • 2 x SATA cable • 1 x power adapter • 1 x Quick start guide • 1 x Installation materials • 1 x Safety instructions



Item number **NVR10021**

Description **8-Channel Network Video Recorder (NVR)**

- Live view and recording of up to 8 IP cameras @ 8 MPx (4K)
- High-performance network data throughput with up to 336 MBit/s (80 MBit/s in / 256 MBit/s out)
- Simple operation locally on the device, via web browser, ABUS CMS software or app
- Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time
- Manual or controlled recording according to schedule, motion detection, alarm input or VCA
- Recording on up to 2 SATA hard drives for extensive and reliable storage of video data



Item number **NVR10021P**

Description **8-Channel PoE Network Video Recorder (NVR)**

- Live view and recording of up to 8 IP cameras @ 8 MPx (4K)
- High-performance network data throughput with up to 336 MBit/s (80 MBit/s in / 256 MBit/s out)
- Integrated PoE switch (max. 150 watts) for power supply and fast commissioning of IP cameras
- Simple operation locally on the device, via web browser, ABUS CMS software or app
- Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time
- Manual or controlled recording according to schedule, motion detection, alarm input or VCA
- Recording on up to 2 SATA hard drives for extensive and reliable storage of video data

Total network throughput (input/output)	336 MBit/s (80 MBit/s/256 MBit/s)	336 MBit/s (80 MBit/s/256 MBit/s)
Storage medium	2 x SATA HDD (up to 16 TB per HDD)	2 x SATA HDD (up to 16 TB per HDD)
Recording modes	Manual, Schedule, Motion Detection, Alarm Input, VCA	Manual, Schedule, Motion Detection, Alarm Input, VCA
Storage	1 x USB 2.0, 1 x USB 3.0	1 x USB 2.0, 1 x USB 3.0
Search modes	Event, Date & Time, Smart Search, VCA	Event, Date & Time, Smart Search, VCA
Alarming	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push
Monitor outputs	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI
Resolution HDMI output	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz
Resolution VGA output	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Views	1 / 4 / 6 / 8 / 9	1 / 4 / 6 / 8 / 9
Control	USB mouse, IP network via Internet browser/ABUS CMS	USB mouse, IP network via Internet browser/ABUS CMS
Network access	2 x RJ45 10/100 /1000 Mbps	8 x RJ45 PoE (IEEE 802.3 af/at, max. 150 W) + 2 x RJ45 10/100/1000 Mbps
Network functions	Live view, playback, data export, settings	Live view, playback, data export, settings
Simultaneous network access	128 camera connections	128 camera connections
PoE standard	-	802.3 at (PoE+)
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 1 x Cinch (1000 Ω)	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 1 x Cinch (1000 Ω)
Relay output	1 (load capacity: 12 V DC/1 A)	1 (load capacity: 12 V DC/1 A)
Alarm inputs (NO/NC)	4	4
DC voltage supply	12 V	-
AC voltage supply	100 - 240 V	100 - 240 V
Compatible with ABUS Link Station	Yes	Yes
Recording resolution @ frame rate per camera	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps
Certifications	-	-
Dimensions (W × H × D)	380 x 50 x 315 mm	380 x 50 x 315 mm
Scope of delivery	1 x Embedded NVR • 1 x USB wireless mouse • 2 x SATA cable • 1 x power adapter • 1 x Quick start guide • 1 x Installation materials • 1 x Safety instructions	1 x Embedded NVR • 1 x USB wireless mouse • 2 x SATA cable • 1 x Power cable • 1 x Quick start guide • 1 x Installation materials • 1 x Safety instructions



Item number NVR10031

Item number NVR10031P

Description	16-Channel Network Video Recorder (NVR)	16-Channel PoE Network Video Recorder (NVR)
	<ul style="list-style-type: none"> • Live view and recording of up to 16 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 416 MBit/s (160 MBit/s in / 256 MBit/s out) • Simple operation locally on the device, via web browser, ABUS CMS software or app • Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time • Manual or controlled recording according to schedule, motion detection, alarm input or VCA • Recording on up to 2 SATA hard drives for extensive and reliable storage of video data 	<ul style="list-style-type: none"> • Live view and recording of up to 16 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 416 MBit/s (160 MBit/s in / 256 MBit/s out) • Integrated PoE switch (max. 200 watts) for power supply and fast commissioning of IP cameras • Simple operation locally on the device, via web browser, ABUS CMS software or app • Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time • Manual or controlled recording according to schedule, motion detection, alarm input or VCA • Recording on up to 2 SATA hard drives for extensive and reliable storage of video data
Total network throughput (input/output)	416 MBit/s (160 MBit/s/256 MBit/s)	416 MBit/s (160 MBit/s/256 MBit/s)
Storage medium	2 x SATA HDD (up to 16 TB per HDD)	2 x SATA HDD (up to 16 TB per HDD)
Recording modes	Manual, Schedule, Motion Detection, Alarm Input, VCA	Manual, Schedule, Motion Detection, Alarm Input, VCA
Storage	1 x USB 2.0, 1 x USB 3.0	1 x USB 2.0, 1 x USB 3.0
Search modes	Event, Date & Time, Smart Search, VCA	Event, Date & Time, Smart Search, VCA
Alarming	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push
Monitor outputs	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI
Resolution HDMI output	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz
Resolution VGA output	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Views	1 / 4 / 6 / 8 / 9 / 16	1 / 4 / 6 / 8 / 9 / 16
Control	USB mouse, IP network via Internet browser/ABUS CMS	USB mouse, IP network via Internet browser/ABUS CMS
Network access	2 x RJ45 10/100 /1000 Mbps	16 x RJ45 PoE (IEEE 802.3 af/at, max. 200 W) + 2 x RJ45 10/100/1000 Mbps
Network functions	Live view, playback, data export, settings	Live view, playback, data export, settings
Simultaneous network access	128 camera connections	128 camera connections
PoE standard	-	802.3 at (PoE+)
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 1 x Cinch (1000 Ω)	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 1 x Cinch (1000 Ω)
Relay output	1 (load capacity: 12 V DC/1 A)	1 (load capacity: 12 V DC/1 A)
Alarm inputs (NO/NC)	4	4
DC voltage supply	12 V	-
AC voltage supply	100 - 240 V	100 - 240 V
Compatible with ABUS Link Station	Yes	Yes
Recording resolution @ frame rate per camera	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps
Certifications	-	-
Dimensions (W x H x D)	380 x 50 x 315 mm	380 x 50 x 315 mm
Scope of delivery	1 x Embedded NVR • 1 x USB wireless mouse • 2 x SATA cable • 1 x power adapter • 1 x Quick start guide • 1 x Installation materials • 1 x Safety instructions	1 x Embedded NVR • 1 x USB wireless mouse • 2 x SATA cable • 1 x Power cable • 1 x Quick start guide • 1 x Installation materials • 1 x Safety instructions



Item number NVR10041

Item number NVR10051

Description	32-Channel Network Video Recorder (NVR)	64-Channel Network Video Recorder (NVR)
	<ul style="list-style-type: none"> • Live view and recording of up to 32 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 576 MBit/s (320 MBit/s in / 256 MBit/s out) • Simple operation locally on the device, via web browser, ABUS CMS software or app • Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time • Manual or controlled recording according to schedule, motion detection, alarm input or VCA • Recording on up to 2 SATA hard drives for extensive and reliable storage of video data • Effortless and time-saving installation of the hard drives via the flap on the front 	<ul style="list-style-type: none"> • Live view and recording of up to 64 IP cameras @ 8 MPx (4K) • High-performance network data throughput with up to 576 MBit/s (320 MBit/s in / 256 MBit/s out) • Simple operation locally on the device, via web browser, ABUS CMS software or app • Processing of the VCA function of ABUS IP cameras for precise detection and differentiation of people and vehicles in real time • Manual or controlled recording according to schedule, motion detection, alarm input or VCA • Recording on up to 2 SATA hard drives for extensive and reliable storage of video data • Effortless and time-saving installation of the hard drives via the flap on the front
Total network throughput (input/output)	576 MBit/s (320 MBit/s/256 MBit/s)	576 MBit/s (320 MBit/s/256 MBit/s)
Storage medium	8 x SATA HDD, 1 x eSATA (up to 16 TB per HDD)	8 x SATA HDD, 1 x eSATA (up to 16 TB per HDD)
Recording modes	Manual, Schedule, Motion Detection, Alarm Input, VCA	Manual, Schedule, Motion Detection, Alarm Input, VCA
Storage	1 x USB 2.0, 2 x USB 3.0	1 x USB 2.0, 2 x USB 3.0
Search modes	Event, Date & Time, Smart Search, VCA	Event, Date & Time, Smart Search, VCA
Alarming	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push	Acoustic warning signal, OSD signal, email, CMS, alarm output, app push
Monitor outputs	2 x VGA, 2 x HDMI	2 x VGA, 2 x HDMI
Resolution HDMI output	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz	HDMI V1.4, 4K(3840x2160)/60Hz, 4K(3840x2160)/30Hz, 1920x1080/60Hz, 1600x1200/60Hz, 1280x1024/60 Hz, 1024x768/60 Hz
Resolution VGA output	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080p/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Views	1 / 4 / 6 / 8 / 9 / 16 / 25 / 32 / 36	1 / 4 / 6 / 8 / 9 / 16 / 25 / 32 / 36 / 64
Control	USB mouse, IP network via Internet browser/ABUS CMS	USB mouse, IP network via Internet browser/ABUS CMS
Network access	2 x RJ45 10/100 /1000 Mbps	2 x RJ45 10/100 /1000 Mbps
Network functions	Live view, playback, data export, settings	Live view, playback, data export, settings
Simultaneous network access	128 camera connections	128 camera connections
PoE standard	-	-
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 2 x Cinch (1000 Ω)	Line In: 1 x Cinch (2.0 V s-s, 1000 Ω) – for network transmission only, Audio Out: 2 x Cinch (1000 Ω)
Relay output	8 (load capacity: 12 V DC/1 A)	8 (load capacity: 12 V DC/1 A)
Alarm inputs (NO/NC)	16	16
DC voltage supply	-	-
AC voltage supply	100 - 240 V	100 - 240 V
Compatible with ABUS Link Station	Yes	Yes
Recording resolution @ frame rate per camera	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps	32 MPx, 24 MPx, 12 MPx, 8 MPx, 6 MPx, 5 MPx, 4 MPx, 3 MPx, 1080p, 720p, VGA @ 25 fps
Certifications	-	-
Dimensions (W x H x D)	450 x 95 x 465 mm	450 x 95 x 465 mm
Scope of delivery	1 x Embedded NVR • 1 x USB wireless mouse • 2 x SATA cable • 1 x Power cable • 1 x Quick start guide • 1 x Installation materials • 1 x Safety instructions	1 x Embedded NVR • 1 x USB wireless mouse • 2 x SATA cable • 1 x Power cable • 1 x Quick start guide • 1 x Installation materials • 1 x Safety instructions

ANALOGUE TECHNOLOGY

Analogue video technology provides a reliable basis for secure surveillance solutions. Our products use modern technologies to enable the straightforward upgrade of existing systems – thus preserving what has been tried and tested while at the same time making it fit for the future.

GOOD VISIBILITY, EVEN IN BACKLIGHTING


The powerful WDR function, together with image sensors and DSP, delivers ideal image results even in difficult lighting conditions. Together with perfectly coordinated algorithms and sensors, the cameras deliver ideal image results even in bright light and backlighting.

DETAILED (COLOR)-IMAGES AT NIGHT

Thanks to high-quality, light-sensitive image sensors, analogue cameras offer superior light sensitivity and thus detailed images, especially at night. Integrated infrared LEDs with manual switching between IR and color night vision also allow color images to be produced at night.

INTELLIGENT OBJECT RECOGNITION

Finally, an end to the flood of false alarms: upgrading our new cameras in combination with modern analog recorders makes security even smarter. Thanks to AI-supported detection, people and vehicles can be reliably distinguished—for more peace of mind and clarity in everyday life.



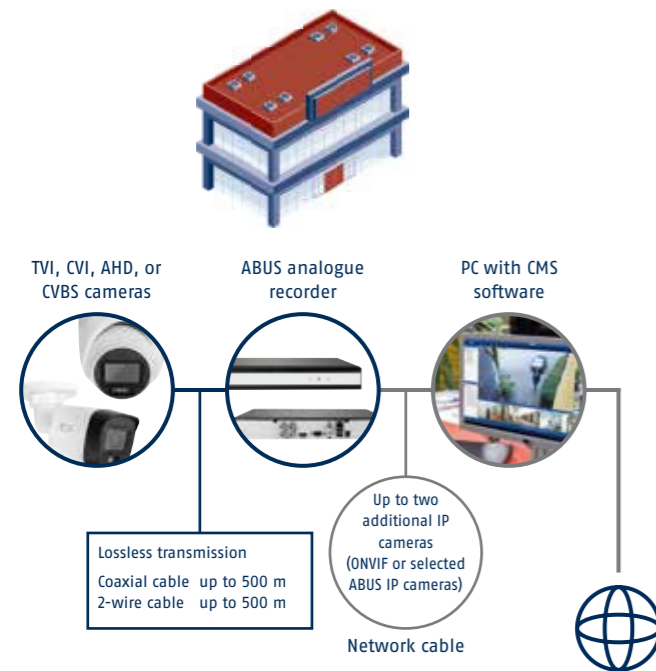
Our new analogue cameras deliver clear images even in backlight conditions, detailed (color) night vision, and, with the new recorder, object detection.

OVERVIEW

ANALOGUE TECHNOLOGY

IDEAL FOR RETROFITTING

For outdated video systems, simply replace the cameras and recorders and continue to use the coaxial cables that have already been laid.



LOCAL

Connect the Analogue Video Recorder to the local network to be able to access the cameras, even from a PC, using the intuitive CMS software.

REMOTE ACCESS VIA THE ABUS SERVER

Setting up remote access via the Internet enables easy remote access to the system. This is facilitated by the free ABUS server: abus-server.com

Remote access for branch monitoring
Locally independent branches or locations can be managed and called up via centralised CMS software.

Mobile control via our app is included
With the free ABUS Apps, video surveillance can be managed via smartphone or tablet (ABUS Link Station) even when you are on the move.

PROTECTION CLASSES: IP67 AND IK10

Water, snow and dust are no match for the Analogue cameras. Dome cameras offer additional protection against vandalism.

COLOR NIGHT VISION

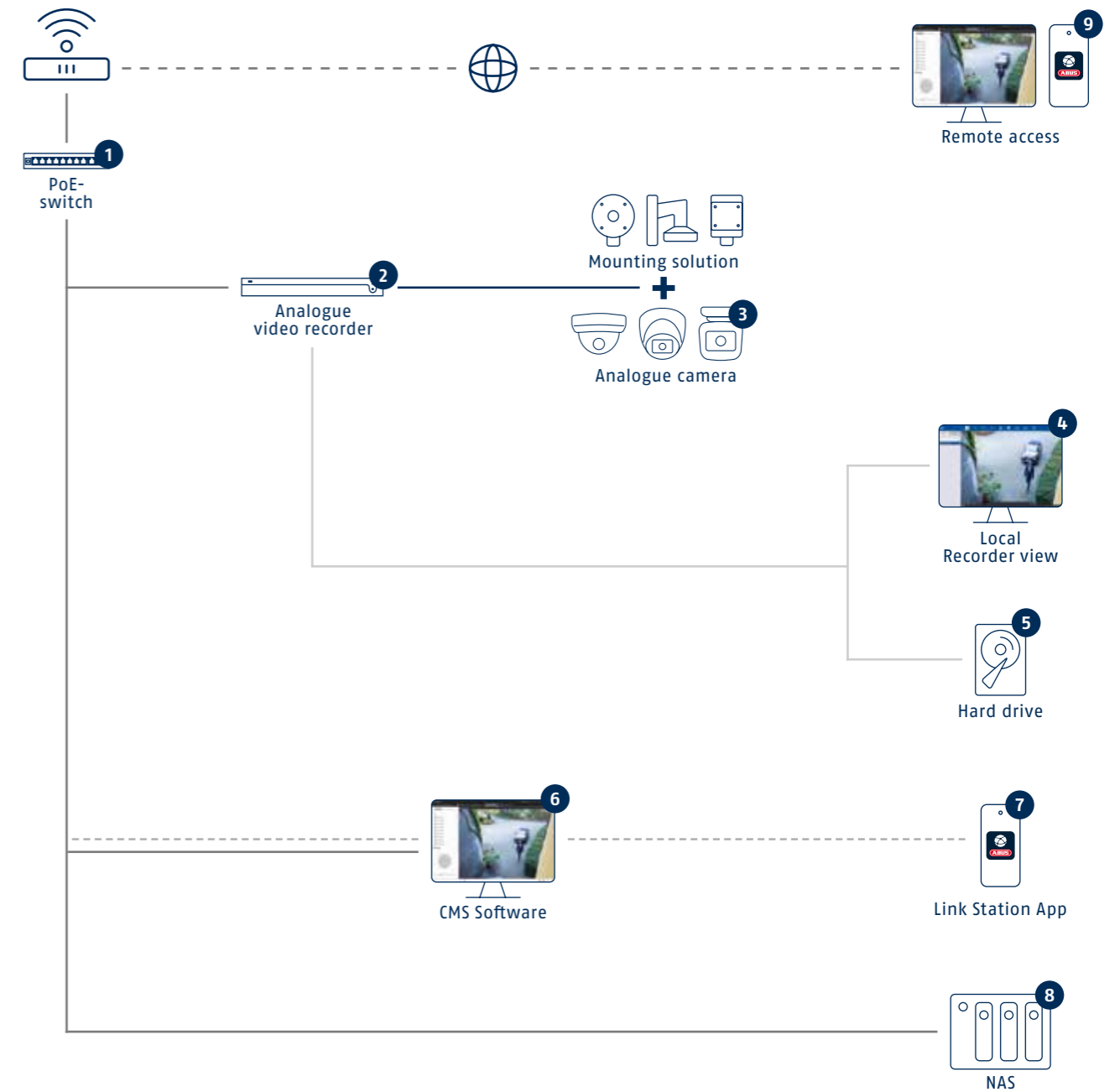
Analog cameras provide incredibly efficient night shots, even in color.

CLEAR VISION

High-performance True WDR to compensate high image contrasts for a perfectly balanced image.

SYSTEM DESIGN

ANALOGUE TECHNOLOGY



- 1 PoE-switch
- 2 Analogue video recorder
- 3 Analogue camera + Mounting solution
- 4 Monitor connected to analogue video recorder
- 5 Hard disk in analogue video recorder
- 6 CMS software via network
- 7 ABUS Link-Station-App via network
- 8 NAS system in the network
- 9 Online remote access






Key:
 - - - Internet
 - - - WiFi
 — LAN
 — Data
 — Analogue

CONFIGURATION


ANALOGUE TECHNOLOGY

HDCC - **5** - **2** - **5** - **1** - **1**
1 - **2** - **3** - **4** - **6**

1 DESIGN

- 3 Mini Tube 
- 4 Mini Dome 
- 5 Spherical Dome 
- 6 Tube 
- 7 large Dome 



3 COLOUR

5 white 

2 RESOLUTION

- 2 2 MPx 1920 x 1080 Px
- 5 5 MPx 2592 x 1944 Px

4 PRODUCT SPECIFICATION

- 1 Fixed lens 
- 2 Variable lens 

6 VERSION NUMBER

1 i.e. Version 1

CAMERA OVERVIEW

ANALOGUE TECHNOLOGY

MINI DOME	DOME	MINI TUBE	TUBE
 HDCC52512	 HDCC75550	 HDCC35512	 HDCC65550
 HDCC55512	 HDCC78551	 HDCC32512	 HDCC68551
	 HDCC72522		 HDCC62522

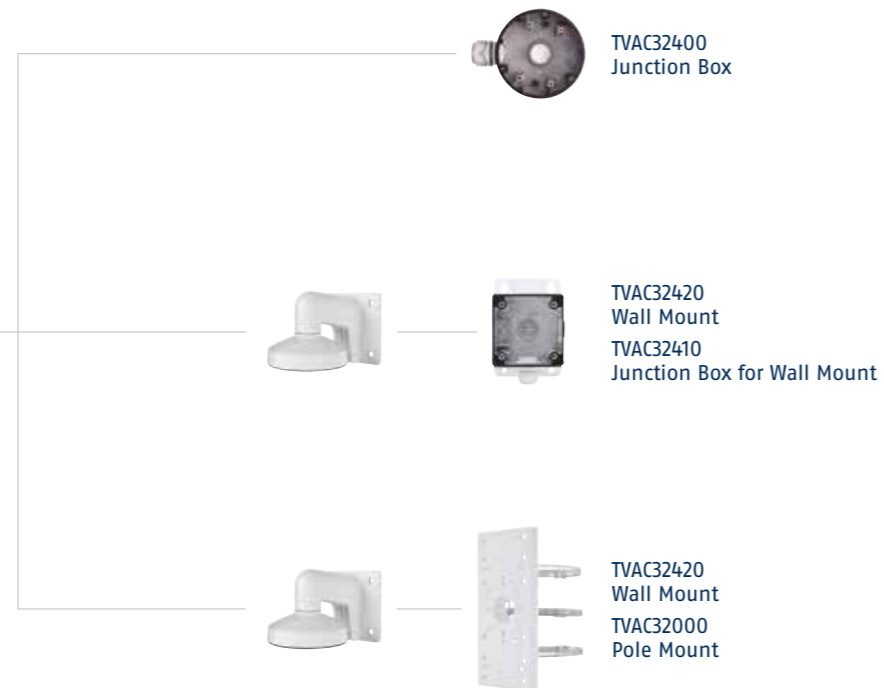
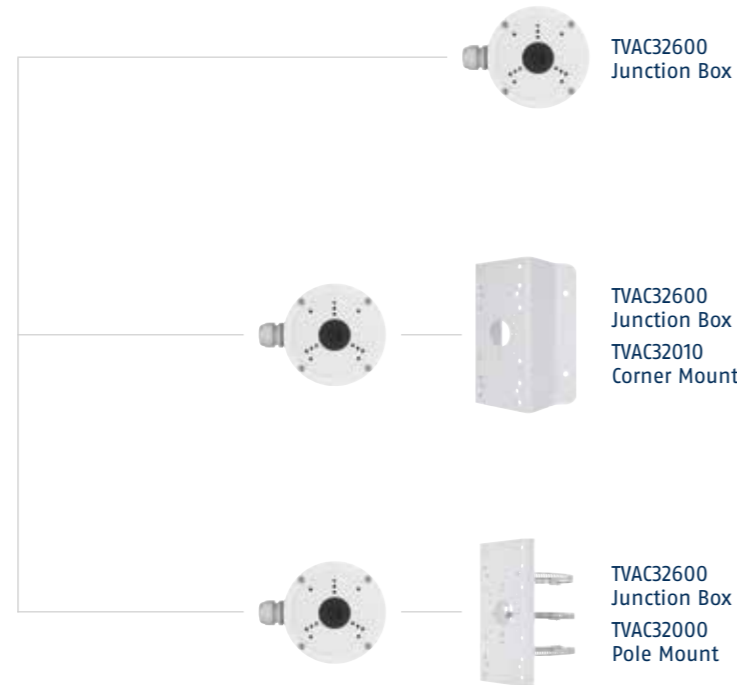
CAMERA OVERVIEW ANALOGUE TECHNOLOGY

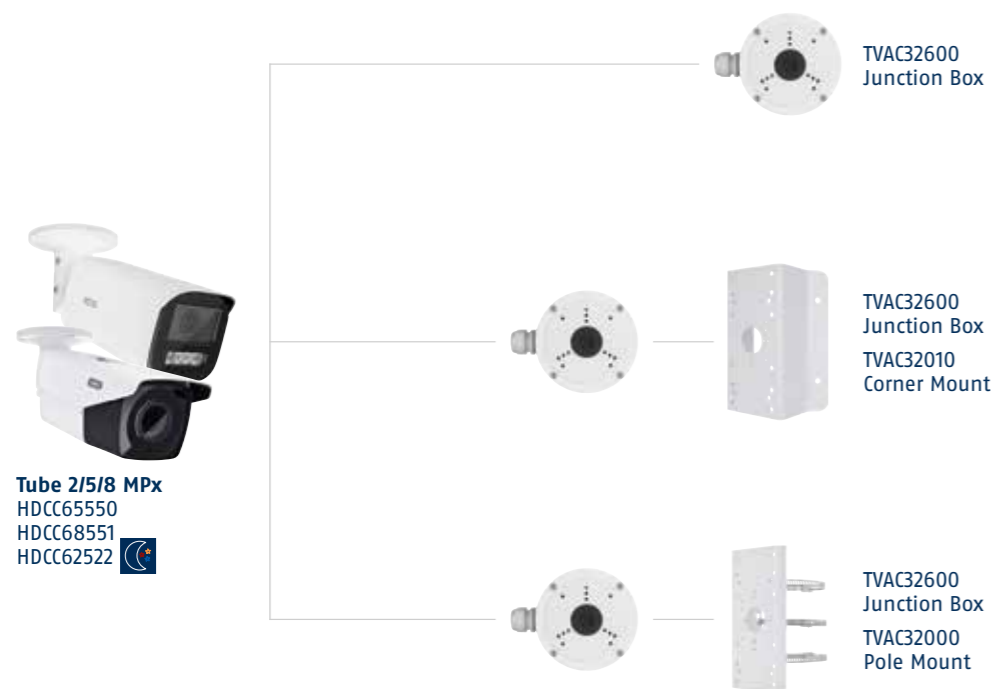
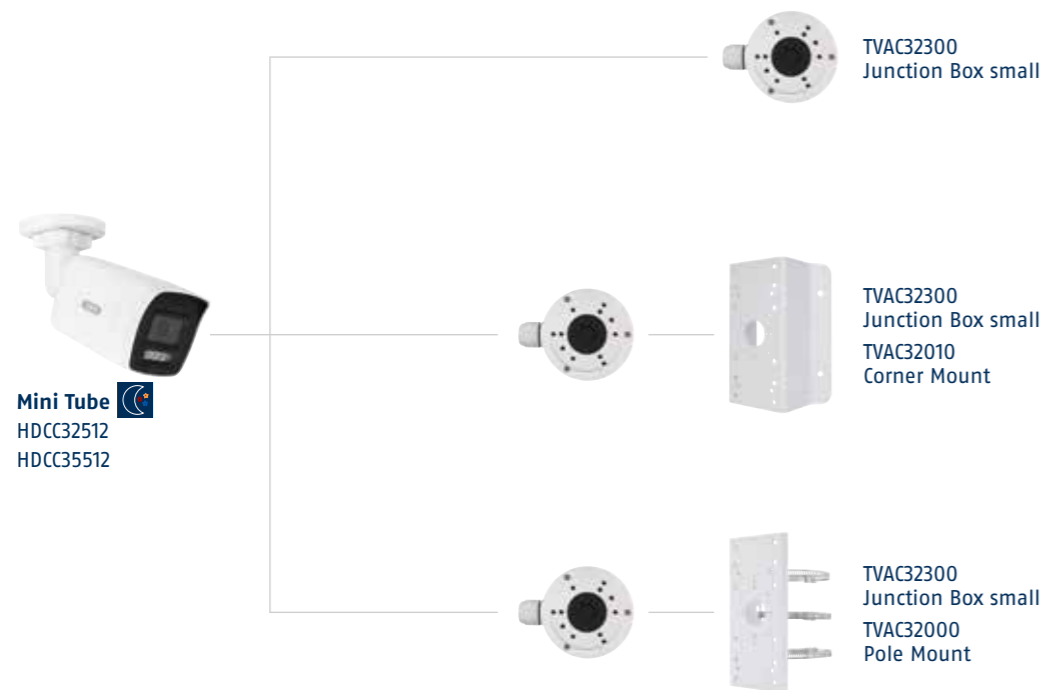
Item number	HDCC75550	HDCC78551	HDCC65550	HDCC68551
Description	Analogue Dome		Analogue Tube	
Additional functions	-	-	-	-
Resolution	5 MPx	8 MPx	5 MPx	8 MPx
Image sensor Progressive Scan CMOS	1/2.7"	1/1.8"	1/2.7"	1/1.8"
Focal length	2.7 - 13.5 mm	2.7 mm	2.7 - 13.5 mm	2.7 - 13.5 mm
Viewing angle (horizontal/vertical)	29° - 92° / 20° - 57°	46° / 26°	29° - 92° / 20° - 57°	46° / 28°
IR range (up to)	40 m	40 m	40 m	60 m
Recording options	DVR	DVR	DVR	DVR
Alarm input / Alarm output	-	-	-	-
IP protection class	67	67	67	67
Compatible with Comfion	✗	✗	✗	✗
Compatible with Secoris	✗	✗	✗	✗
Compatible with Secvest	✗	✗	✗	✗
Compatible with wAppLoxx	✗	✗	✗	✗
Compatible with wAppLoxx Pro	✗	✗	✗	✗
Compatible with ABUS Link Station	✗	✗	✗	✗

Item number	HDCC52512	HDCC55512	HDCC72522	HDCC32512	HDCC35512	HDCC62522
Description	Analogue Mini Dome		Analogue Dome	Analogue Mini Tube		Analogue Tube
Additional functions						
Resolution	2 MPx	5 MPx	2 MPx	2 MPx	5 MPx	2 MPx
Image sensor Progressive Scan CMOS	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"
Focal length	2.8 mm	2.8 mm	2.8 - 12 mm	2.8 mm	2.8 mm	2.8 - 12 mm
Viewing angle (horizontal/vertical)	105° / 56°	112° / 60°	32° - 106° / 18° - 56°	105° / 56°	112° / 60°	32° - 106° / 18° - 56°
IR range (up to)	40 m	40 m	60 m	60 m	40 m	60 m
Recording options	40 m	40 m	40 m	30 m	30 m	60 m
Alarm input / Alarm output	DVR	DVR	DVR	DVR	DVR	DVR
IP protection class	-	-	-	-	-	-
Compatible with Comfion	67	67	67	67	67	67
Compatible with Secoris	✗	✗	✗	✗	✗	✗
Compatible with Secvest	✗	✗	✗	✗	✗	✗
Compatible with wAppLoxx	✗	✗	✗	✗	✗	✗
Compatible with wAppLoxx Pro	✗	✗	✗	✗	✗	✗
Compatible with ABUS Link Station	✗	✗	✗	✗	✗	✗
Kompatibel zu ABUS Link Station	✗	✗	✗	✗	✗	✗

Key:  Flex Night View (color night vision)

OVERVIEW MOUNTING SOLUTIONS ANALOGUE TECHNOLOGY





ANALOGUE TECHNOLOGY CAMERAS



Item number

HDCC75550

HDCC78551

Description

Analogue Dome 5 MPx (2.7 - 13.5 mm)

Analogue Dome 8 MPx (4K, 2.7 - 13.5 mm)

- 5 MPx Resolution: 2592 x 1944 @ 20 fps
- True WDR effectively compensates for light/dark contrast
- Easy installation and focussing via remote access with the motorised zoom lens (2.7-13.5 mm)
- Powerful IR LED technology for improved illumination of up to 40 m at night
- Weatherproof (IP67) for outdoor use
- 4 in 1 video output (switchable TVI/AHD/CVI/CVBS)
- Perfect for retrofitting: Transmission using conventional and existing CCTV infrastructure, such as coaxial or 2-wire cables
- Cable length of up to 500 m possible without loss
- Wide variety of holders for straightforward, cost-efficient installation

- 8 MPx (4K) resolution: 3840 x 2160 @ 12.5 fps
- 4K Ultra HD resolution
- True WDR effectively compensates for light/dark contrasts
- Easy installation and focusing via remote access with the motorized zoom lens (2.7 - 13.5 mm)
- Powerful IR LED technology for improved illumination range up to 60 m at night
- Vandal-proof and weatherproof housing (IK10 & IP67)
- Perfect for retrofitting: transmission via CCTV infrastructure, such as coaxial cable or 2-wire systems
- Wide range of brackets for simple, inexpensive installation
- Power supply: 9.6-14.4 VDC; 19.2-28.8 VAC; video outputs: 1 x BNC (HD-TVI), 1 x BNC (FBAS/CVBS)

Resolution modes	2592 x 1944	8 MPx @ 15fps, 5 MPx @ 20fps, 4 MPx @ 30fps, 1080p @ 30fps
Image sensor	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Motor-Zoom, Autofocus	Motorised zoom, autofocus
Focal length - 13.5	2.7 - 13.5 mm	2,7 mm
Optical zoom	5 x	5x
Pan/tilt range	-	-
Minimum illumination (colour)	0.03 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	40 m	40 m
Image enhancement	WDR, BLC, AWB, DNR	True WDR, BLC, AWB, 3D DNR, Defog, HLC
Audio	-	-
Connections	1 x BNC (HD-TVI), 1 x DC/AC (2-Pin)	1 x BNC (HD-TVI), 1 x BNC (CVBS), 1 x DC/AC (2-Pin)
DC voltage supply	12 V +/-15 % V	12 V +/-25 % V
Power consumption	670 mA	875 mA
IP protection class	67	67
Protection class IK	10	10
Min. operating temperature	-40 °C	-40 °C
Max. operating temperature	60 °C	60 °C
Max. resolution @ frame rate	2592x1944 @ 20 frames/s (50Hz)/1920x1536 @ 20 frames/s (60Hz)	3840 x 2160 @ 12.5 frames/s
Dimensions (W x H x D)	145 x 124 x 145 mm	145 x 124 x 145 mm
Scope of delivery	1 x Camera • 1 x Installation tool • 1 x Safety information • 1 x Drilling template	1 x Camera • 1 x Installation tool • 1 x Safety information • 1 x Drilling template



Item number **HDCC65550**

Item number **HDCC68551**

Description	Analogue Tube 5 MPx (2.7 - 13.5 mm)	Analogue Tube 8 MPx (4K, 2.7 - 13.5 mm)
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- 5 MPx Resolution: 2592 x 1944 @ 20 fps
- True WDR effectively compensates for light/dark contrast
- Easy installation and focussing via remote access with the motorised zoom lens (2.7-13.5 mm)
- Powerful IR LED technology for improved illumination of up to 40 m at night
- Weatherproof (IP67) for outdoor use
- 4 in 1 video output (switchable TVI/AHD/CVI/CVBS)
- Perfect for retrofitting: Transmission using conventional and existing CCTV infrastructure, such as coaxial or 2-wire cables
- Cable length of up to 500 m possible without loss
- Wide variety of holders for straightforward, cost-efficient installation

Resolution modes	2592 x 1944	8 MPx @ 12.5fps, 5 MPx @ 20fps, 4 MPx @ 25fps, 1080p @ 25fps
Image sensor	1/2.7" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Lens	Motorised zoom, autofocus	Motor-Zoom, Autofocus
Focal length	2.7 - 13.5 mm	2.7 - 13.5 mm
Optical zoom	5 x	5x
Pan/tilt range	-	-
Minimum illumination (colour)	0.03 lx	0.003 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	40 m	60 m
Image enhancement	WDR, BLC, ATW, DNR	True WDR, BLC, AWB, 3D DNR, Defog, HLC
Audio	-	-
Connections	1 x BNC (HD-TVI), 1 x DC/AC (2-Pin)	1 x BNC (HD-TVI / CVI / AHD / CVBS), 1 x DC/AC (2-Pin)
DC voltage supply	12 V +/-15 % V	12 V +/-20 % V
Power consumption	875 mA	950 mA
IP protection class	67	67
Protection class IK	-	-
Min. operating temperature	-40 °C	-40 °C
Max. operating temperature	60 °C	60 °C
Max. resolution @ frame rate	2592x1944 @ 20 frames/s (50Hz)/1920x1536 @ 20 frames/s (60Hz)	3840 x 2160 @ 15 frames/s
Dimensions (W x H x D)	92 x 85 x 265 mm	92 x 85 x 265 mm
Scope of delivery	1 x Camera • 1 x Installation tool • 1 x Safety information • 1 x Drilling template	1 x Camera • 1 x Installation tool • 1 x Safety information • 1 x Drilling template

ANALOGUE TECHNOLOGY CAMERAS FLEX NIGHT VIEW



Item number **HDCC52512**

Item number **HDCC55512**

Description	Analogue Mini Dome 2 MPx (1080p, 2.8 mm)	Analogue Mini Dome 5 MPx (2.8 mm)
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- 2 MPx resolution: 1920 x 1080 @ 25 fps
- True WDR effectively equalises light/dark contrasts
- Fixed lens with 2.8 mm focal length and 105° horizontal viewing angle
- Weatherproof (IP67) for outdoor use
- Integrated infrared LEDs with manual switching between IR and colour night vision
- Fewer false alarms thanks to AI-supported detection of people/vehicles with HDCC900X3 recorder
- Perfect for retrofitting: Transmission via conventional and existing CCTV infrastructure with coaxial cable
- Cable lengths of up to 250 m
- Wide variety of holders for straightforward, cost-efficient installation

- 5 MPx resolution: 2592 x 1944 @ 20 fps
- True WDR effectively equalises light/dark contrasts
- Fixed lens with 2.8 mm focal length and 112° horizontal viewing angle
- Weatherproof (IP67) for outdoor use
- Integrated infrared LEDs with manual switching between IR and colour night vision
- Fewer false alarms thanks to AI-supported detection of people/vehicles with HDCC900X3 recorder
- Perfect for retrofitting: Transmission via conventional and existing CCTV infrastructure with coaxial cable
- Cable lengths of up to 150 m
- Wide variety of holders for straightforward, cost-efficient installation

Resolution modes	1920 x 1080	3K, 4 MP, 1080p
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Lens	Fixed	Fixed
Focal length	2,8 mm	2,8 mm
Optical zoom	-	-
Pan/tilt range	-	-
Minimum illumination (colour)	0.0005 lx	0.0005 lx
Minimum illumination (IR)	0 lx	0 lx
IR range (up to)	40 m	40 m
Image enhancement	WDR, BLC, HLC, HLS, ATW, 3D DNR	WDR, BLC, HLC, HLS, ATW, 3D DNR
Audio	Integrated: Microphone, Loudspeaker	Integrated: Microphone
Connections	1 x BNC (video), 1 x DC (5.5/2.1 mm)	1 x BNC (video), 1 x DC (5.5/2.1 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V
Power consumption	750 mA	750 mA
IP protection class	67	67
Protection class IK	-	-
Min. operating temperature	-30 °C	-30 °C
Max. operating temperature	60 °C	60 °C
Max. resolution @ frame rate	1920x1080 @ 25 frames/s	2960 x 1665 @ 20 frames/s
Dimensions (W x H x D)	110 x 100 x 110 mm	110 x 100 x 110 mm
Scope of delivery	1 x camera • 1 x safety instructions • 1 x drilling template	1 x camera • 1 x safety instructions • 1 x drilling template



Item number HDCC72522

Description Analogue Dome 2 MPx (1080p, 2.8 - 12 mm)

- 2 MPx resolution: 1920 x 1080 @ 25 fps
- True WDR effectively equalises light/dark contrasts
- Easy installation and focussing via remote access with the motorised zoom lens (2.8-12 mm)
- Powerful IR LED technology for improved illumination up to 40 m at night
- Weatherproof (IP67) for outdoor use
- Integrated infrared LEDs with manual switching between IR and colour night vision
- Fewer false alarms thanks to AI-supported detection of people/vehicles with HDCC900X3 recorder
- Perfect for retrofitting: Transmission via conventional and existing CCTV infrastructure with coaxial cable
- Cable lengths of up to 250 m
- Wide variety of holders for straightforward, cost-efficient installation

Resolution modes	1920 x 1080
Image sensor	1/2.8" Progressive Scan CMOS
Lens	Motorised zoom, autofocus
Focal length	2,8 - 12 mm
Optical zoom	-
Pan/tilt range	-
Minimum illumination (colour)	0.0005 lx
Minimum illumination (IR)	0 lx
IR range (up to)	60 m
Image enhancement	WDR, BLC, HLC, HLS, ATW, 3D DNR
Audio	Integrated: Microphone
Connections	1 x BNC (video), 1 x DC (5.5/2.1 mm)
DC voltage supply	12 (+/-25 %) V
Power consumption	620 mA
IP protection class	67
Protection class IK	-
Min. operating temperature	-30 °C
Max. operating temperature	60 °C
Max. resolution @ frame rate	1920x1080 @ 25 frames/s
Dimensions (W x H x D)	121 x 105 x 121 mm
Scope of delivery	1 x camera • 1 x safety instructions • 1 x drilling template



Item number HDCC32512

Description Analogue Mini Tube 2 MPx (1080p, 2.8 mm)

- 2 MPx resolution: 1920 x 1080 @ 25 fps
- True WDR effectively equalises light/dark contrasts
- Fixed lens with 2.8 mm focal length and 105° horizontal viewing angle
- Weatherproof (IP67) for outdoor use
- Integrated infrared LEDs with manual switching between IR and colour night vision
- Fewer false alarms thanks to AI-supported detection of people/vehicles with HDCC900X3 recorder
- Perfect for retrofitting: Transmission via conventional and existing CCTV infrastructure with coaxial cable
- Cable lengths of up to 250 m
- Wide variety of holders for straightforward, cost-efficient installation



Item number HDCC35512

Description Analogue Mini Tube 5 MPx (2.8 mm)

- 5 MPx resolution: 2592 x 1944 @ 20 fps
- True WDR effectively equalises light/dark contrasts
- Fixed lens with 2.8 mm focal length and 112° horizontal viewing angle
- Weatherproof (IP67) for outdoor use
- Integrated infrared LEDs with manual switching between IR and colour night vision
- Fewer false alarms thanks to AI-supported detection of people/vehicles with HDCC900X3 recorder
- Perfect for retrofitting: Transmission via conventional and existing CCTV infrastructure with coaxial cable
- Cable lengths of up to 150 m
- Wide variety of holders for straightforward, cost-efficient installation



Item number HDCC62522

Description Analogue Tube 2 MPx (1080p, 2.8 - 12 mm)

- 2 MPx resolution: 1920 x 1080 @ 25 fps
- True WDR effectively equalises light/dark contrasts
- Easy installation and focussing via remote access with the motorised zoom lens (2.8-12 mm)
- Powerful IR LED technology for improved illumination up to 40 m at night
- Weatherproof (IP67) for outdoor use
- Integrated infrared LEDs with manual switching between IR and colour night vision
- Fewer false alarms thanks to AI-supported detection of people/vehicles with HDCC900X3 recorder
- Perfect for retrofitting: Transmission via conventional and existing CCTV infrastructure with coaxial cable
- Cable lengths of up to 250 m
- Wide variety of holders for straightforward, cost-efficient installation

Resolution modes	1920 x 1080	3K, 4 MP, 1080p	1920 x 1080
Image sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Lens	Fix	Fix	Motorised zoom, autofocus
Focal length	2,8 mm	2,8 mm	2,8 - 12 mm
Optical zoom	-	-	-
Pan/tilt range	-	-	-
Minimum illumination (colour)	0.0005 lx	0.0005 lx	0.0005 lx
Minimum illumination (IR)	0 lx	0 lx	0 lx
IR range (up to)	30 m	30 m	60 m
Image enhancement	WDR, BLC, HLC, HLS, ATW, 3D DNR	WDR, BLC, HLC, HLS, ATW, 3D DNR	WDR, BLC, HLC, HLS, ATW, 3D DNR
Audio	Integrated: Microphone, Loudspeaker	Integrated: Microphone	Integrated: Microphone
Connections	1 x BNC (video), 1 x DC (5.5/2.1 mm)	1 x BNC (video), 1 x DC (5.5/2.1 mm)	1 x BNC (video), 1 x DC (5.5/2.1 mm)
DC voltage supply	12 (+/-25 %) V	12 (+/-25 %) V	12 (+/-25 %) V
Power consumption	750 mA	600 mA	650 mA
IP protection class	67	67	67
Protection class IK	-	-	-
Min. operating temperature	-30 °C	-30 °C	-30 °C
Max. operating temperature	60 °C	60 °C	60 °C
Max. resolution @ frame rate	1920x1080 @ 25 frames/s	2960 x 1665 @ 20 frames/s	1920x1080 @ 25 frames/s
Dimensions (W x H x D)	69 x 69 x 172 mm	69 x 69 x 172 mm	105 x 105 x 252 mm
Scope of delivery	1 x camera • 1 x safety instructions • 1 x drilling template	1 x camera • 1 x safety instructions • 1 x drilling template	1 x camera • 1 x safety instructions • 1 x drilling template

ANALOGUE TECHNOLOGY RECORDER

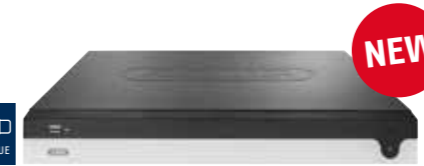


Item number HDCC90003

Description 4-channel Analogue Video Recorder

- Fanless design for quiet operation
- Pentaplex support: Recording and live display of all channels up to 8 MPx (selected ABUS IP cameras, TVI, CVI, AHD, CVBS)
- Efficient H.265 compression for reduced storage capacity requirement
- Ideal for retrofitting existing systems with higher resolution
- Supports cable lengths of up to 500 m (RG6 cable, 720p resolution)
- Intelligent object recognition (human/vehicle) for precise classification and real-time detection of people and vehicles
- Flexible operation: via monitor, browser, app or ABUS CMS software
- Connection of up to 2 additional IP cameras possible
- Recording to 1x HDD with up to 12 TB storage capacity
- 2-way audio and alarm flashing light function possible in combination with HDCC52512 / HDCC32512

Total network throughput (input/output)	96 Mbps (32 connections)
Storage medium	1x S-ATA HDD (max. 12 TB)
Recording modes	4ch VCA (tripwire, intrusion detection) & 4ch motion detection with person/vehicle detection, alarm input, duration
Storage	1 x USB 2.0, 1 x USB 3.0
Search modes	People search, smart search, VCA, event, date & time
Alarming	App push, alarm output, acoustic warning signal, OSD signal, email
Monitor outputs	1x HDMI, 1x VGA, 1x Main BNC
Resolution HDMI output	1-ch, 2K (2560 x 1440)/60Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Resolution VGA output	1-ch 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Control	Mouse, PC software, integrated web server
Network access	1x RJ45 10/100 Mbps
Simultaneous network access	32 channels
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Audio input: 4-ch, RCA (2.0 V p-p, 1kΩ), 4-ch via coaxial cable, Audio output: 1-ch, RCA (Linear, 1kΩ)
Relay output	1
Alarm inputs (NO/NC)	4
DC voltage supply	12 V
Compatible with ABUS Link Station	Yes
Dimensions (W x H x D)	380 x 48 x 315 mm
Scope of delivery	1 x 4 channel analogue video recorder • 1 x USB wireless mouse • 1 x Hard disc cable • 1 x Safety instructions • 1 x Quick guide • 1 x EU/UK power cable • 1 x Power supply unit



Item number HDCC90013

Description 8-Channel Analogue Video Recorder

- Pentaplex support: Recording and live display of all channels up to 8 MPx (selected ABUS IP cameras, TVI, CVI, AHD, CVBS)
- Use storage space twice as efficiently: Data compression with H.265
- 4K Ultra HD HDMI connection for lossless viewing of connected cameras on a 4K monitor
- Perfect for upgrading existing systems to higher resolution
- Supports cable lengths of up to 500 m (RG6 cable, 720p resolution)
- USB 3.0 interface for fast data export
- Permanent recording: 2x HDD up to 12TB
- Easy to operate: control via local monitor, browser, app or ABUS CMS software
- 2-way audio and alarm flashing light function possible in combination with HDCC52512 / HDCC32512
- Support for a maximum of 2 IP cameras



Item number HDCC90023

Description 16-channel Analogue Video Recorder

- Pentaplex support: Recording and live display of all channels up to 8 MPx (selected ABUS IP cameras, TVI, CVI, AHD, CVBS)
- Use storage space twice as efficiently: Data compression with H.265
- 4K Ultra HD HDMI connection for lossless viewing of connected cameras on a 4K monitor
- Perfect for upgrading existing systems to higher resolution
- Supports cable lengths of up to 500 m (RG6 cable, 720p resolution)
- USB 3.0 interface for fast data export
- Permanent recording: 2x HDD up to 12TB
- Easy to operate: control via local monitor, browser, app or ABUS CMS software
- 2-way audio and alarm flashing light function possible in combination with HDCC52512 / HDCC32512
- Support for a maximum of 2 IP cameras

Total network throughput (input/output)	128 Mbps (64 connections)	256 Mbps (128 connections)
Storage medium	2x S-ATA HDD (max. 12 TB)	2x S-ATA HDD (max. 12 TB)
Recording modes	4ch VCA (tripwire, intrusion detection) & 8ch motion detection with person/vehicle detection, alarm input, duration	8ch VCA (tripwire, intrusion detection) & 16ch motion detection with person/vehicle detection, alarm input, duration
Storage	1 x USB 2.0, 1 x USB 3.0	1 x USB 2.0, 1 x USB 3.0
Search modes	People search, smart search, VCA, event, date & time	People search, smart search, VCA, event, date & time
Alarming	App push, alarm output, acoustic warning signal, OSD signal, email	App push, alarm output, acoustic warning signal, OSD signal, email
Monitor outputs	1x HDMI, 1x VGA, 1x Main BNC	1x HDMI, 1x VGA, 1x Main BNC
Resolution HDMI output	1-ch, 4K (3840 x 2160), 2K (2560 x 1440)/60Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	1-ch, 4K (3840 x 2160), 2K (2560 x 1440)/60Hz, 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Resolution VGA output	1-ch 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz	1-ch 1920 x 1080/60Hz, 1280 x 1024/60Hz, 1280 x 720/60Hz
Control	Mouse, PC software, integrated web server	Mouse, PC software, integrated web server
Network access	1x RJ45 10/100 Mbps	1x RJ45 10/100 Mbps
Simultaneous network access	32 channels	128 channels
Mobile access	ABUS Link Station Lite / Pro (Apple iOS & Android)	ABUS Link Station Lite / Pro (Apple iOS & Android)
Audio	Audio input: 4-ch, RCA (2.0 V p-p, 1kΩ), 8-ch via coaxial cable, Audio output: 1-ch, RCA (Linear, 1kΩ)	Audio input: 4-ch, RCA (2.0 V p-p, 1kΩ), 8-ch via coaxial cable, Audio output: 1-ch, RCA (Linear, 1kΩ)
Relay output	1	1
Alarm inputs (NO/NC)	8	16
DC voltage supply	12 V	12 V
Compatible with ABUS Link Station	Yes	Yes
Dimensions (W x H x D)	380 x 48 x 315 mm	380 x 48 x 315 mm
Scope of delivery	1 x 8 channel analogue video recorder • 1 x USB wireless mouse • 2 x Hard disc cable • 1 x Safety instructions • 1 x Quick guide • 1 x EU/UK power cable • 1 x Power supply unit	1 x 16 channel analogue video recorder • 1 x USB wireless mouse • 2 x Hard disc cable • 1 x Safety instructions • 1 x Quick guide • 1 x EU/UK power cable • 1 x Power supply unit



MOUNTING SOLUTIONS

THE RIGHT MOUNT FOR YOUR CAMERA?

In expert video surveillance, a professional installation, mounting and wiring make all the difference. In ABUS's extensive range of brackets, you will find the right mounting solution for every application and installation location. Find exactly what you need, quickly and easily, in the ABUS partner webshop. There you will find compatible mounts, installation boxes, etc. as product suggestions for your camera– for easy addition to your order.

Flexible bracket for mounting the camera on wall, ceiling, corner, pole, etc.

Robust, weather-protected installation boxes for optimal cabling

Ceiling installation frame for suspended ceilings, tinted dome for discreet surveillance and much more.

Installation box: camera sturdily mounted, cables neatly stowed away and well protected from moisture.







CONFIGURATION





MOUNTING SOLUTIONS

TVAC - 32 - 4 - 2 - 0 - X



1 2 3 4 5

1 PORTFOLIO	
31	Portfolio until 2022
32	Portfolio from 2022

2 DESIGN	
0	Universal (e.g., corner mount) 
3	Mini Tube 
4	Mini Dome 
5	Spherical Dome 
6	Tube 
7	large Dome 

3 MOUNT TYPE	
0	Junction box 
1	Junction box for wall mount 
2	Wall mount 
3	Ceiling mount frame 

4 VERSION NUMBER	
1	i.e. Version 1

5 COLOR	
	white 
X	black 

MOUNTING SOLUTIONS

Item number	TVAC32300	TVAC32400	TVAC32420	TVAC32410
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Description	Junction Box Mini Tube	Junction Box Mini Dome	Wall Mount Mini Dome	Junction Box for Wall Mount Mini Dome
	<ul style="list-style-type: none"> For a protected and concealed wiring indoors and outdoors Robust aluminum construction Colour: white 	<ul style="list-style-type: none"> Compatible with IPCB44511A, IPCB44511B, IPCB44561A, IPCS74511A For a protected and concealed wiring indoors and outdoors Robust aluminum construction Colour: white 	<ul style="list-style-type: none"> Compatible with IPCB44511A, IPCB44511B, IPCB44561A, IPCS74511A Internal cabling is possible Sturdy aluminium construction for indoors and outdoors Colour: white 	<ul style="list-style-type: none"> Can only be used in combination with TVAC32420 For protecting wiring both indoors and outdoors Sturdy aluminium construction Colour: white

Dimensions (W x H x D)	100 x 45 x 100 mm	120 x 40 x 120 mm	120 x 120 mm	180 x 120 mm
Scope of delivery	1 x Junction box	1 x Junction box	1 x Wall Mount Bracket	1 x Junction box

Item number	TVAC32600	TVAC32700	TVAC32720	TVAC32020
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Description	Junction Box Tube	Junction Box Dome	Wall Mount Dome	Junction Box for Wall Mount
	<ul style="list-style-type: none"> For a protected and concealed wiring indoors and outdoors Robust aluminum construction Colour: white 	<ul style="list-style-type: none"> Compatible with IPCB74521, IPCB78521 For a protected and concealed wiring indoors and outdoors Robust aluminum construction Colour: white 	<ul style="list-style-type: none"> Compatible with IPCB74521, IPCB78521 Internal cabling is possible Sturdy aluminium construction for indoors and outdoors Colour: white 	<ul style="list-style-type: none"> Can only be used in combination with TVAC32520 or TVAC32720 Compatible with TVAC32000, TVAC32010 For protecting wiring both indoors and outdoors Sturdy aluminium construction Internal cable routing possible Colour: white

Dimensions (W x H x D)	137 x 53 x 120 mm	155 x 40 x 155 mm	184 x 155 mm	243 x 123 mm
Scope of delivery	1 x Junction box	1 x Junction box	1 x Wall Mount Bracket	1 x Junction box



Item number TVAC32730 TVAC32500 TVAC32520

Description Flush Mount Dome Junction Box Spherical Dome Wall Mount Spherical Dome

- Compatible with IPCB74521, IPCB78521
- Ceiling mount frame for use indoors and outdoors
- Provides cover and protection when mounting on ceilings
- Cover made of white plastic
- Installation kit including mounting accessories
- Compatible with IPCB54511A, IPCB54511B, IPCB58511A, IPCB58511B
- For a protected and concealed wiring indoors and outdoors
- Robust aluminum construction
- Colour: white
- Compatible with IPCB54511A, IPCB54511B, IPCB58511A, IPCB58511B
- Internal cabling is possible
- Sturdy aluminium construction for indoors and outdoors
- Colour: white

Dimensions (W × H × D) 245 x 87 x 245 mm 137 x 42 x 120 mm 184 x 120 mm
Scope of delivery 1 x Ceiling Mount Frame 1 x Junction box 1 x Wall Mount Bracket



Item number TVAC32000 TVAC32010

Description Pole Mount Corner Mount

- Mount for easy attachment to masts and pipes
- Ideal for masts with a diameter of 67–127 mm
- Colour: white
- For mounting on outside corners and inaccessible places
- Colour: white

Dimensions (W × H × D) 250 x 127 mm 250 x 126 mm
Scope of delivery 1 x Pole mount 1 x Corner mount



Item number TVAC32400X TVAC32420X TVAC32410X TVAC32000X

Description Junction Box Mini Dome Black Wall Mount Mini Dome Black Junction Box for Wall Mount Mini Dome Black Pole Mount Black

- Compatible with IPCB44611A, IPCB44611B
- For a protected and concealed wiring indoors and outdoors
- Robust aluminum construction
- Colour: Black
- Compatible with IPCB44611A, IPCB44611B
- Internal cabling is possible
- Sturdy aluminium construction for indoors and outdoors
- Colour: Black
- Can only be used in combination with TVAC32420X
- For protecting wiring both indoors and outdoors
- Sturdy aluminium construction
- Colour: Black
- Mount for easy attachment to masts and pipes
- Ideal for masts with a diameter of 67–127 mm
- Colour: Black

Dimensions (W × H × D) 120 x 40 x 120 mm 120 x 120 mm 180 x 120 mm 250 x 127 mm
Scope of delivery 1 x Junction box 1 x Wall Mount Bracket 1 x Junction box 1 x Pole mount



Item number TVAC32600X TVAC32500X TVAC32520X TVAC32020X

Description Junction Box Tube Black Junction Box Spherical Dome Black Wall Mount Spherical Dome Black Junction Box for Wall Mount Black

- Compatible with IPCB64621, IPCB68621
- For a protected and concealed wiring indoors and outdoors
- Robust aluminum construction
- Colour: Black
- Compatible with IPCB54611A, IPCB54611B, IPCB58611A
- For a protected and concealed wiring indoors and outdoors
- Robust aluminum construction
- Colour: Black
- Compatible with IPCB54611A, IPCB54611B, IPCB58611A
- Internal cabling is possible
- Sturdy aluminium construction for indoors and outdoors
- Colour: Black
- Can only be used in combination with TVAC32520X
- Compatible with TVAC32000X
- For protecting wiring both indoors and outdoors
- Sturdy aluminium construction
- Internal cable routing possible
- Colour: Black

Dimensions (W × H × D) 137 x 53 x 120 mm 137 x 42 x 120 mm 184 x 120 mm 243 x 123 mm
Scope of delivery 1 x Junction box 1 x Junction box 520 x Wall Mount Bracket 1 x Junction box



Item number	TVAC31215	TVAC31285	TVAC31205
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Description	Wall Mount for IPCS84510	Ceiling Mount for IPCS84510	Wall Mount for IPCS84532
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- | | | |
|---|--|---|
| <ul style="list-style-type: none"> • Compatible with IPCS84511 • Internal cabling is possible • Color: white | <ul style="list-style-type: none"> • Compatible with IPCS84510, IPCS84511 • Internal cabling is possible • Sturdy aluminium construction for indoors and outdoors • Color: white | <ul style="list-style-type: none"> • Compatible with IPCS84532 • Internal cabling is possible • Sturdy aluminium construction for indoors and outdoors • Color: white |
|---|--|---|

Dimensions (W × H × D)	126 x 80 x 224 mm	120 x 650 x 120 mm	86 x 158 x 315 mm
Scope of delivery	1 x Wall mount	1 x Ceiling Mount	1 x Wall Mount



Item number	TVAC31245	TVAC31235	TVAC31275
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Description	Installation box for IPCS84532	Corner Mount	Ceiling mount frame for IPCS84532
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- | | | |
|--|---|--|
| <ul style="list-style-type: none"> • Internal cabling is possible • Sturdy aluminium construction for indoors and outdoors • Color: white | <ul style="list-style-type: none"> • Can only be used in combination with TVAC31205 • Compatible with TVAC31245 • Color: white | <ul style="list-style-type: none"> • Compatible with IPCS84532 • Provides cover and protection when mounting on ceilings • Color: white |
|--|---|--|

Dimensions (W × H × D)	40 x 158 mm	126 x 105 x 250 mm	233 x 85 x 233 mm
Scope of delivery	1 x Junction box	1 x Corner mount	1 x Flush mount



Item number	TVAC31280	TVAC31290
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Description	Installation Box for Hemispheric Camera	Installation Box with 23/46 cm Ceiling Bracket for Hemispheric Camera
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- | | |
|---|--|
| <ul style="list-style-type: none"> • Compatible with IPCS29512 • For protecting wiring both indoors and outdoors • Sturdy aluminium construction • Load-bearing capacity: 4.5 kg • Colour: white • 1 opening with 2.5 cm diameter for cabling | <ul style="list-style-type: none"> • Compatible with IPCS29512 • For protecting wiring both indoors and outdoors • Sturdy aluminium construction • Internal cable routing possible • Load-bearing capacity: 4.5 kg • Colour: white • 1 opening with 2.5 cm diameter for cabling |
|---|--|

Dimensions (W × H × D)	45 x 165 mm	460 x 165 mm
Scope of delivery	1 x Installation Box for Hemispheric Camera	1 x Installation Box With 23/46 cm Ceiling Bracket for Hemispheric Camera



Item number	TVAC31201	TVAC31221	TVAC31231	TVAC31241
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Description	Long Wall Mount for PTZ Dome Cameras	Pole Mount incl. Long Wall Mount for PTZ Dome Cameras	Corner Mount incl. Long Wall Mount for PTZ Dome Cameras	Junction Box incl. Long Wall Mount for PTZ Dome Cameras
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- | | | | |
|---|--|---|--|
| <ul style="list-style-type: none"> • Compatible with IPCS84551, HDCC82501 • Simple installation of ABUS PTZ dome cameras • Length of mount (projection): 310 mm • For wall mounting | <ul style="list-style-type: none"> • Compatible with IPCS84551, HDCC82501 • Simple installation of ABUS PTZ dome cameras • For mounting on poles and pipes • For poles with a diameter of 67 – 127 mm • Long wall mount (310 mm) included with delivery | <ul style="list-style-type: none"> • Compatible with IPCS84551, HDCC82501 • Simple installation of ABUS PTZ dome cameras • For mounting in corners and inaccessible places • Size: 179 × 194 mm, opening angle: 90° • Wall mount (310 mm) included with delivery | <ul style="list-style-type: none"> • Compatible with IPCS84551, HDCC82501 • Simple installation of ABUS PTZ dome cameras • Camera power supply can be installed on the mount for protection from weather • Length of mount (projection): 310 mm • For wall mounting |
|---|--|---|--|

Dimensions (W × H × D)	97 x 182 x 310 mm	117 x 194 x 46 mm	119 x 106 x 194 mm	210 x 310 x 400 mm
Scope of delivery	1 x Long Wall Mount for Speed Dome • 1 x Installation material	1 x Pole Mount incl. Long Wall Mount for Speed Dome • 1 x Wall mount • 1 x Installation material	1 x Corner Mount incl. Long Wall Mount for Speed Dome • 1 x Wall mount • 1 x Installation material	1 x Junction box • 1 x Wall mount • 1 x Installation material



Item number	TVAC31250	TVAC31260	TVAC31270
Description	5.7 cm Ceiling Mount for PTZ Dome Cameras	20 cm Ceiling Mount for PTZ Dome Cameras	50 cm Ceiling Mount for PTZ Dome Cameras
	<ul style="list-style-type: none"> • Ceiling bracket for IPCS84551, HDCC82501 • Internal cable routing possible • Sturdy aluminium construction for indoors and outdoors • Load-bearing capacity: 10 kg • Colour: white 	<ul style="list-style-type: none"> • Ceiling bracket for IPCS84551, HDCC82501 • Internal cable routing possible • Sturdy aluminium construction for indoors and outdoors • Load-bearing capacity: 10 kg • Colour: white 	<ul style="list-style-type: none"> • Ceiling bracket for IPCS84551, HDCC82501 • Internal cable routing possible • Sturdy aluminium construction for indoors and outdoors • Load-bearing capacity: 10 kg • Colour: white
Dimensions (W x H x D)	116.5 x 57 x 116.5 mm	200 x 116.5 mm	500 x 116.5 mm
Scope of delivery	1 x 5.7 cm Ceiling Mount for PTZ Dome Cameras	1 x 20 cm Ceiling Mount for PTZ Dome Cameras	1 x 50 cm Ceiling Mount for PTZ Dome Cameras



Item number	TVAC32120	TVAC32130	TVAC32140
Description	Universal bracket 160 mm	Universal bracket 300 mm	Telescopic ceiling mount S (60 - 102 cm)
	<ul style="list-style-type: none"> • Elegant aluminium holder, universally usable for mounting technical devices • 360° ball head with quick-release fastener for easy attachment and optimal alignment of devices • 1/4" stand screw (male) for units with 1/4" screw base (female) • Versatile use, e.g. as a table stand, ceiling mount, etc. 	<ul style="list-style-type: none"> • Elegant aluminium holder, universally usable for mounting technical devices • 360° ball head with quick-release fastener for easy attachment and optimal alignment of devices • 1/4" stand screw (male) for units with 1/4" screw base (female) • Versatile use, e.g. as a table stand, ceiling mount, etc. 	<ul style="list-style-type: none"> • Telescopic ceiling mount (60 - 102 cm) • Direct attachment of a camera installation box possible • Compatible with TVAC32400, TVAC32500, TVAC32600, TVAC32700, TVAC31401, TVAC31280 • Internal cable routing possible • Robust aluminium construction for indoor and outdoor use • Color: white
Dimensions (W x H x D)	110 x 125 x 110 mm	110 x 300 x 110 mm	28.5 x 1020 x 28.5 mm
Scope of delivery	1 x Camera Mount 160 mm · 1 x Safety Instructions	1 x Camera Mount 300 mm	1 x Telescopic ceiling mount (60 - 102 cm) · 1 x Safety instructions



Item number	TVAC32150	TVAC32160	TVAC32100
Description	Telescopic ceiling mount M (120 - 334 cm)	Telescopic ceiling mount L (187 - 581 cm)	Adapter plate for telescopic ceiling mount (M, L)
	<ul style="list-style-type: none"> • Adjustable ceiling mounting bar (120 to 334 cm) • internal cable routing • End with 3/4" thread for direct mounting of an installation box • Pendulum suspension for compensating sloping ceilings (can be fixed or left loose) • Maximum load capacity of 4,5 kg 	<ul style="list-style-type: none"> • Adjustable ceiling suspension rod (187 to 581 cm) • Internal cable routing 3/4" • Threaded end for direct attachment of an installation box • Swinging suspension for compensation of sloping ceilings (can be fixed or loose) • Max. load capacity of 4.5 kg 	<ul style="list-style-type: none"> • Universal adapter plate for TVAC32150 and TVAC32160 telescopic ceiling mounts • Installation of various components possible (e.g. access point)
Dimensions (W x H x D)	86 x 3432 x 64 mm	86 x 5259 x 86 mm	113 x 39.5 x 113 mm
Scope of delivery	1 x Telescopic ceiling mount (120 - 334 cm)	1 x Telescopic ceiling mount (187 - 581 cm)	1 x Adapter plate · 1 x Safety Instructions



Item number	TVAC32780	TVAC32785
Description	Tinted dome for IPCB74521, IPCB78521	Transparent dome for IPCB74521, IPCB78521
	<ul style="list-style-type: none"> • Polycarbonate dome • Compatible with IPCB74521, IPCB78521 • The camera's angle of view remains hidden 	<ul style="list-style-type: none"> • Polycarbonate dome • Compatible with IPCB74521, IPCB78521
Dimensions (W x H x D)	110 x 64 x 110 mm	110 x 64 x 110 mm
Scope of delivery	1 x Dome	1 x Dome



DOOR INTERCOM SYSTEMS

SECURITY & CONVENIENCE AT THE DOOR

Thanks to flexible installation and wiring, video door intercoms from ABUS offer a wide range of possible use cases and cut a fine figure in almost any installation location.

THE RIGHT SOLUTION FOR EVERY BUILDING

Whether new or old building, new installation or replacement of an existing door intercom system. From single-family homes to apartment buildings and commercial properties. Here you will find the right intercom for every area.

THE INNOVATIVE ABUS FACEXESS® DOOR STATION

Whether ModuVis or FaceXess – up to 16 ABUS IP cameras can be integrated into both door intercom systems. In this way, the intercoms can be easily expanded or become part of a larger video system.

ABUS MODUVIS: PROVEN & FLEXIBLE

As a classic door intercom with camera, ModuVis offers optimum security and solid intercom convenience. Thanks to the modular design principle, it can be configured for almost any intercom station and wiring (IP, 2-wire).

INDOOR STATION & MOBILE APP

Indoor monitors are available for both systems as stationary intercom terminals. In addition, they can also be operated with a smartphone via the ABUS Link Station app.

FaceXess foreasy access via facial recognition



OVERVIEW

FACEXESS

EASY DOOR ACCESS WITH FACIAL RECOGNITION

Opening the door with facial recognition: secure and convenient with FaceXess, the innovative door station from ABUS. FaceXess uses two integrated cameras to immediately detect whether the person in front of the door is authorised to enter. The door is opened without a key – with absolute reliability even in the dark. Is increased security required, for example, in a commercial building? Then several features/technologies can be combined: facial recognition, PIN code and access card. Doorbell and video door intercom functions are on board, as well as operation via app. New users can be easily and quickly taught how to use the system at the unit.



Terminal recognises persons and automatically unlocks the door



Just leave the door key at home



Always see who is at the door



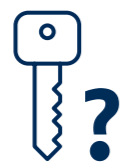
Intercom and door opening functions via the indoor monitor or app



Familiar doorbell operation for unknown persons



High protection against tampering through anti-spoofing technology



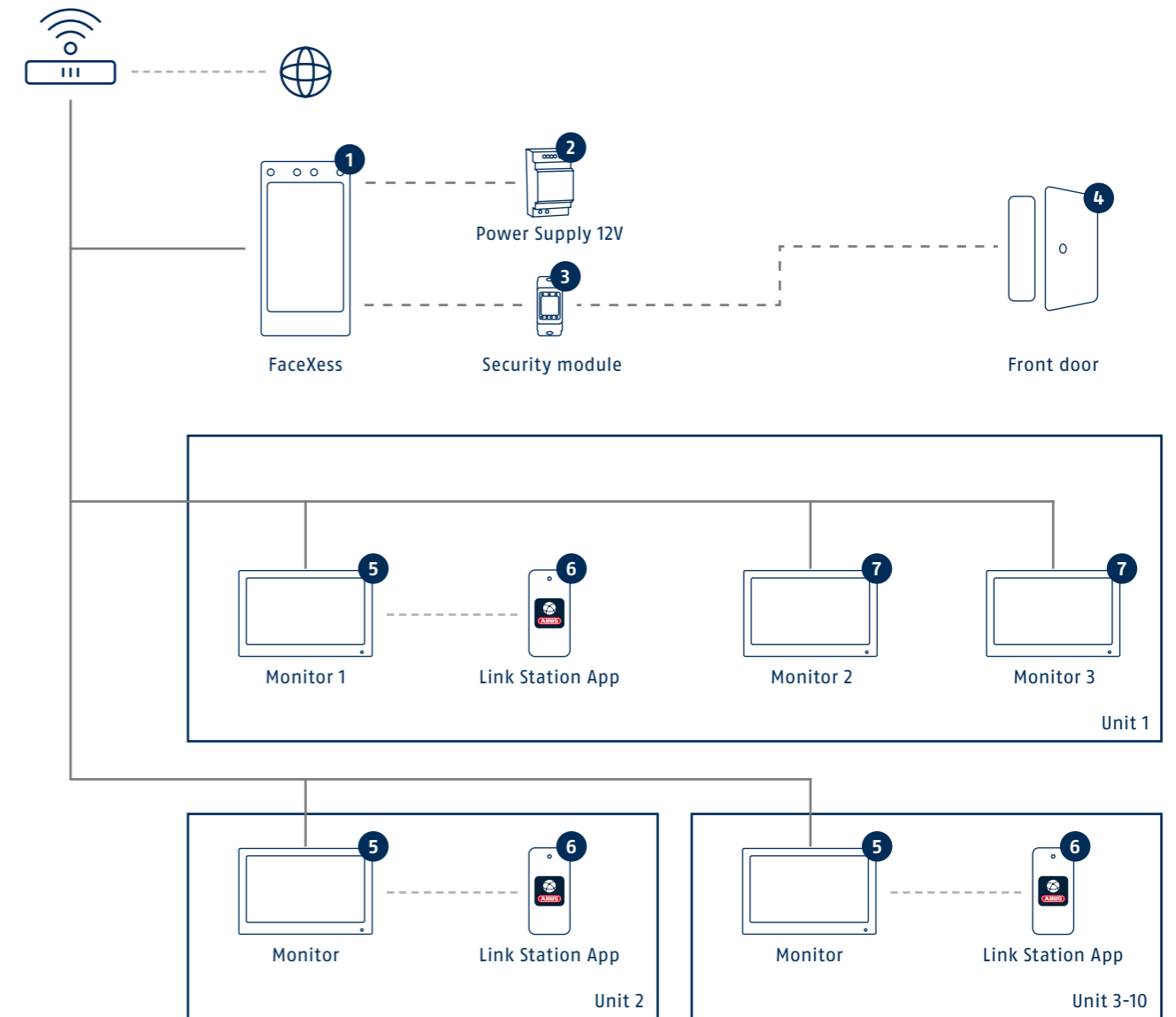
Never forget or lose a key



Multiple authentication possible

SYSTEM DESIGN

FACEXESS



DOOR INTERCOM SYSTEMS

- 1 FaceXess Terminal
- 2 Power supply 12V
- 3 Security module
- 4 Door component
- 5 Monitor 1
- 6 Remote access via the Link Station app
- 7 One main monitor per unit and up to five extension monitors

Key:
 — LAN
 - - - Wire
 . . . Internet

FACEXESS



Item number TVHS30000

Description	FaceXess Terminal
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- IP video door intercom with face recognition, unlocks the front door fully automatically, in a fraction of a second, for persons who have been authorised to enter. Optional: Access via PIN code or chip key/key card on the integrated NFC card reader.
- Access for authorised users on the 7" touch screen via face scan or PIN code entry. Unknown persons use the virtual ring button on the display.
- See who is at the door: Live image, intercom and door opening via the interior monitor or Link Station app - even while out. Top image quality and contrast thanks to 2 MPx dual camera.
- Good voice quality thanks to high-quality microphone and loudspeaker with noise cancellation (noise cancellation suppresses background noise, prevents echoes).
- Secure access, high protection against manipulation: terminal cannot be tricked with photo/video (anti-spoofing technology). Optional: 2-factor authentication combines facial recognition with PIN code/key card.
- For up to 10 residential units: up to 6 monitors can be integrated per bell unit via LAN/PoE or Wi-Fi
- Fast and secure installation: The door station requires an external power supply. The data connection is made via LAN/Wi-Fi and a data line (2 wires) to the remote switching module that controls the door actuator.
- Weatherproof terminal for outdoor use (protection class IP65)
- No keys: never again stand in front of a locked front door because you forgot your keys

IR LEDs	Yes
Image sensor	Progressive Scan CMOS
Resolution live view	1080p (Display), 720p (Network Stream) TVL
Monitor type	LCD
Screen diagonal	7 in
Number of users	10000
Backlight compensation	WDR
Sabotage monitoring	Yes
Alarm output	-
Alarming	App Push, ABUS CMS, Touch Monitor
Audio	2-Way-Audio
Connections	Power supply 12V DC, RS485, RJ45 Ethernet, 1 x relay, Wiegand, USB-C
Relay output	1, Max. 30 VDC @ 2 A / 125 VAC @ 0,5 A
Max. humidity	90 %
Min. operating temperature	-30 °C
Video compression	H.264
Max. operating temperature	60 °C
IP protection class	65
Power consumption	2000 mA
Dimensions (W × H × D)	209 x 111 mm
Scope of delivery	1 x FaceXess device • 1 x quick start Guide • 1 x safety instructions • 1 x wall mount • 1 x connection cable • 1 x 2 pin / DC jack adapter • 1 x fixing screw

ACCESSORIES FACEXESS



Item number MUK030000

Description	FaceXess Demo Case
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- Demo case for professional demonstration of FaceXess at the customer's premises
- Demonstrator kit with fully functional, ready-to-use FaceXess components
- Contents: Demo display with FaceXess terminal, 7-inch touch monitor, door buzzer + LED, router and power supply

Scope of delivery 1 x FaceXess Demo Case • 1 x Demo product TVHS30000 • 1 x Demo product TVHS20200 • 1 x Demo product electric strike • 1 x User manual • 1 x Mains Cable

Item number TVHS30300 TVHS30310 TVHS30320

Description	FaceXess Installation-Kit	Swivel holder FaceXess	FaceXess Connection cable 2 m
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- Installation kit with components for easy wiring of the FaceXess video door station
- The components can also be used for the power supply or data connection of the PoE monitor (TVHS20200/TVHS20220)
- Kit with 12V/4.5A DIN rail power supply, angled Cat.6a keystone module, 25 cm ribbon network cable (white) and Scotchlok UY2 single wire connectors
- Optional accessories for FaceXess (TVHS30000) Surface mounting
- Optimum alignment of the camera viewing angle according to customer requirements
- 45° swivel, 15° tiltable
- Color anthracite/black
- Optional accessories for FaceXess (TVHS30000) cabling
- Pre-assembled cable (2 m)
- Can be shortened to the required length by the installer

Scope of delivery 1 x 12 VDC / 4.5 A DIN rail power supply • 1 x Angled Cat.6a Keystone module • 1 x 25 cm ribbon network cable (white) • 4 x Scotchlok UY2 single wire connectors 1 x Swivel holder 1 x 2 m connection cable • 1 x 2 m network cable (RJ45/RJ45, patch cable)

OVERVIEW MODUVIS

MODUVIS ALWAYS OFFERS THE RIGHT SOLUTION

From a private single-family home with one bell and monitor to a multi-family building with up to 49 bells and several monitors - ModuVis always offers the right solution. In addition to the camera in the video module, ABUS outdoor cameras can also be displayed on the indoor monitor and the app. This makes it easy to adapt the system to new customer wishes and requirements. In addition, all data and recordings can be stored locally in the monitor (SD card).



VIDEO MODULE:
2 MPx Full HD camera



INFO MODULE:
Customisable display



BELL EXTENSION:
Lighting for good visibility in the dark



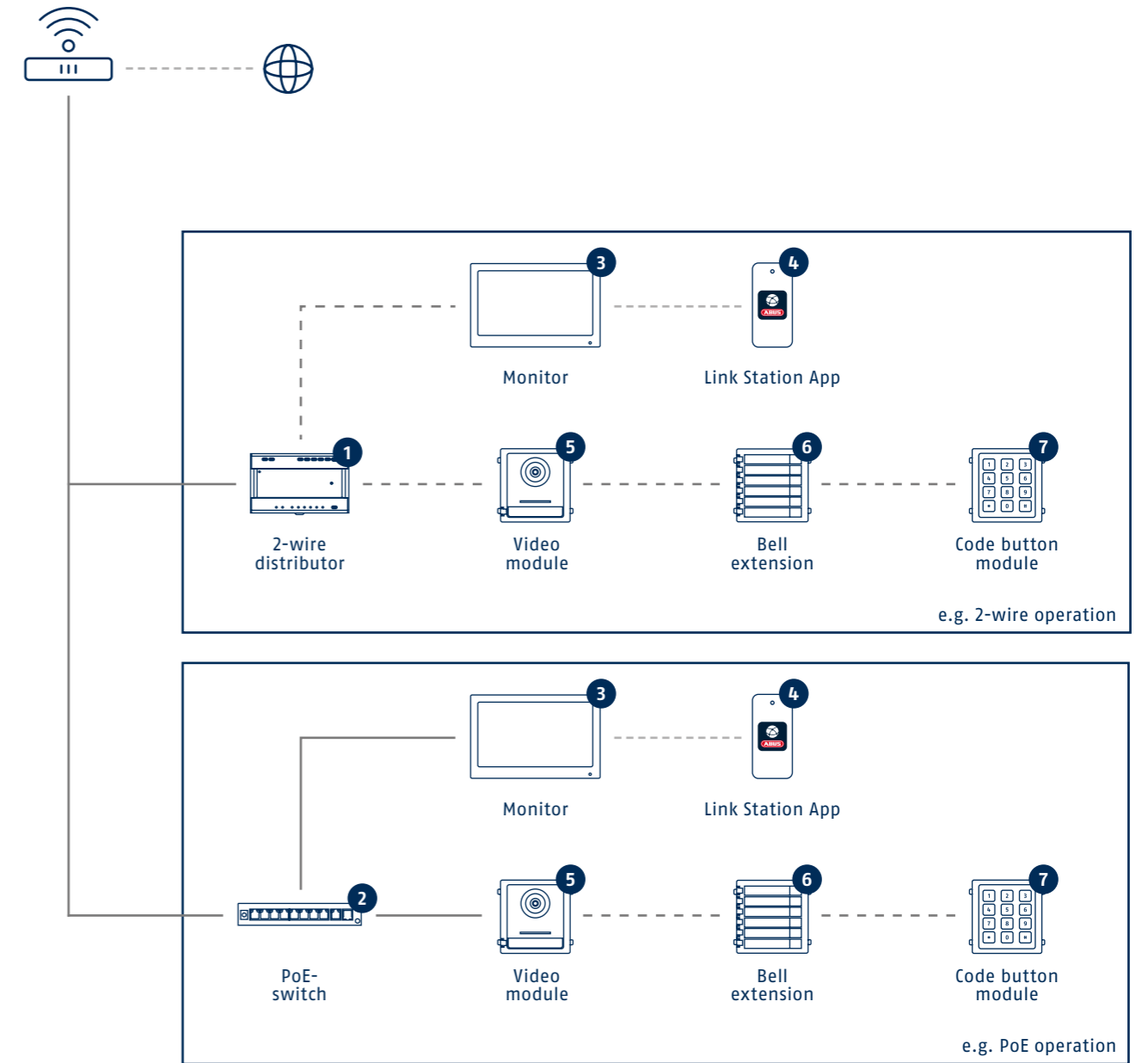
CODE BUTTON MODULE:
For controlling door buzzer or motorised lock



EMPTY MODULE:
Cover as placeholder for later system extensions

SYSTEM DESIGN MODUVIS

Variant: mixed operation



- 1 2-wire distributor
- 2 PoE-Switch
- 3 Monitor
- 4 Remote access via the ABUS Link Station app
- 5 Video module
- 6 Bell extension
- 7 Code button module

Key:
 — LAN
 - - - Wire
 - - - - Internet

MODUVIS



Item number TVHS20001S TVHS21010S

Description IP video module for door intercom (stainless steel) 2-wire video module for door intercom (stainless steel)

- IP video module for ModuVis door intercom system as a basic configuration of an intercom station (1 bell), expandable with additional modules to up to 49 bells
 - Central control unit of the door intercom system (mandatory for every PoE installation)
 - 2 MPx day/night camera with IR LEDs and 145° viewing angle for optimal overview in case of a ringing event; provides a brilliant, clear image quality without distortion
 - Push alerting to mobile device in case of ringing event via ABUS Link Station app
 - High-quality microphone and loudspeaker for clear sound of voices, filtering out of background noise (noise cancelling)
 - Ring button with adjustable backlight (permanent, schedule, brightness sensor) and nameplate with silicone seal
 - 2 relay outputs for up to 2 doors, for control of electric door opener or motor lock (e.g. front door + garage/gate), incl. power supply from the video module (simple wiring)
 - 4 switch inputs, e.g. for connection of up to 4 external bell buttons
 - Weatherproof with IP65, flexible mountable via mounting frame (surface-mounted / flush-mounted)
 - PoE network connection, power supply: 12 V DC & PoE (802.3af)
- 2-wire video module for ModuVis door intercom system as basic configuration of an intercom station (1 bell), can be extended with further modules to up to 49 bells
 - Central control unit of the door intercom system (mandatory for every 2-wire installation)
 - 2 MPx day/night camera with IR-LEDs and 145° viewing angle for optimal overview during ringing events
 - Push alarm on mobile device via ABUS Link Station App
 - High-quality microphone and loudspeaker Very high speech quality (clear sound of voices, filtering out background noise)
 - Bell buttons with background lighting
 - Audio, video and voltage via 2-wire
 - Further relay inputs/outputs e.g. door opener (door buzzer)
 - Weatherproof IP65, can be flexibly mounted using a mounting frame (surface-mounted or flush-mounted)

Lens	Fix	Fix
Resolution	2 MPx	2 MPx
Frame rate	25 fps	25 fps
IR LEDs	Yes	Yes
Video compression	Stream 1: H.264, Stream 2: H.264	Stream 1: H.264, Stream 2: H.264
Audio	Built-in microphone and speaker,	2-Way Audio
Microphone	Yes	Yes
Connections	1 x RJ45, 1 x DC, 4 x alarm input, 2 x alarm output	1 x 2-Pin, 4 x alarm input, 2 x alarm output
Connectible devices	TVHS20020, TVHS20030, TVHS20040, TVHS20340, TVHS30330	TVHS20020, TVHS20030, TVHS20040, TVHS20340, TVHS30330
Network access	RJ45	-
IP protection class	65	65
Max. operating temperature	60 °C	60 °C
Min. operating temperature	-40 °C	-40 °C
Max. humidity	95 %	0,95 %
Dimensions (W x H x D)	98 x 99.8 x 43.9 mm	98 x 99.8 x 43.9 mm
Scope of delivery	1 x IP-Video module • 1 x Quickguide • 1 x Safety Instructions	1 x 2-wire video module • 1 x Quickguide • 1 x Safety Instructions



Item number TVHS20020S TVHS20030S

Description Bell button module (6 buttons) for door intercom (stainless steel) Keypad module for door intercom (stainless steel)

- Bell button module for ModuVis door intercom system
 - Extends the system by 6 bell buttons with Backlighting
 - Including covers for unused bell buttons
 - Suitable for surface-mounted or flush-mounted frames
 - Up to 8 modules can be integrated into a ModuVis system
- Keypad module for ModuVis door intercom system
 - 6-digit PIN code for access control
 - Number keys with backlight
 - Suitable for surface-mounted or flush-mounted frames
 - Keyless access
 - 3 general PIN codes can be set (as general code, e.g. for janitorial service)
 - 1 separate PIN code per accommodation unit (up to 49 PIN codes in the system)

Dimensions (W x H x D)	98 x 99.8 x 33.7 mm	98 x 99.8 x 33.7 mm
Scope of delivery	1 x Ring button module • 1 x Quickguide • 1 x Safety Instructions • 5 x Including covers for unused bell buttons	1 x Keypad module • 1 x Quickguide • 1 x Safety Instructions



Item number TVHS20040 TVHS20050

Description Illuminated info module for door intercom Blind cover for door intercom

- Illuminated info module for ModuVis door intercom system
 - Ideal as a name tag or house number display
 - Suitable for surface-mounted or flush-mounted frames
 - Several modules can be integrated into one ModuVis system
- Empty module (blind cover) for ModuVis door intercom system
 - Suitable for surface-mounted or flush-mounted frames

Dimensions (W x H x D)	98 x 99.8 x 33.7 mm	98 x 99.8 x 33.7 mm
Scope of delivery	1 x Info module • 1 x Quickguide • 1 x Safety Instructions	1 x Cover for empty module • 1 x Quickguide • 1 x Safety Instructions

DOOR INTERCOM SYSTEMS



Item number TVHS20130S TVHS20140S TVHS20150S

Description Frame for 1 module for surface mounting (stainless steel) Frame for 2 modules for surface mounting (stainless steel) Frame for 3 modules for surface mounting (stainless steel)

- Single frame for surface mounting for the ModuVis door intercom system
- Weatherproof housing
- Double frame for surface mounting for the ModuVis door intercom system
- Weatherproof housing
- Triple frame for surface mounting for the ModuVis door intercom system
- Weatherproof housing

Dimensions (W × H × D)	107 x 117 x 37 mm	107 x 219 x 37 mm	107 x 320 x 37 mm
Scope of delivery	1 x Frame for 1 module surface mount • 1 x Connection cables for modules • 1 x Drill template • 1 x Quickguide • 1 x Safety Instructions	1 x Frame for 2 modules surface mount • 1 x Connection cables for modules • 1 x Drill template • 1 x Quickguide • 1 x Safety Instructions	1 x Frame for 3 modules surface mount • 1 x Connection cables for modules • 1 x Drill template • 1 x Quickguide • 1 x Safety Instructions



Item number TVHS20100S TVHS20110S TVHS20120S

Description Frame for 1 module for flush mounting (stainless steel) Frame for 2 modules for flush mounting (stainless steel) Frame for 3 modules for flush mounting (stainless steel)

- Single frame for flush mounting for the ModuVis door intercom system
- Weatherproof housing
- Including matching flush-mounted box
- Double frame for flush mounting for the door intercom system ModuVis
- Weatherproof housing
- Including matching flush-mounted box
- Triple frame for flush mounting for the door intercom system ModuVis
- Weatherproof housing
- Including matching flush-mounted box

Dimensions (W × H × D)	134 x 124 mm	235 x 124 mm	337 x 124 mm
Scope of delivery	1 x Frame for 1 module flush mount • 1 x Connection cables for modules • 1 x Drill template • 1 x Quickguide • 1 x Safety Instructions	1 x Frame for 2 modules flush mount • 1 x Connection cables for modules • 1 x Drill template • 1 x Quickguide • 1 x Safety Instructions	1 x Frame for 3 modules flush mount • 1 x Connection cables for modules • 1 x Drill template • 1 x Quickguide • 1 x Safety Instructions



Item number TVHS20160 TVHS20170 TVHS20180

Description External housing for frame surface mounting (1 module) External housing for frame surface mounting (2 modules) External housing for frame surface mounting (3 modules)

- External housing for frame surface mounting (1 module) for the ModuVis door intercom system
- Extended weather protection for outdoor installation
- External housing for frame surface mounting (2 modules) for the ModuVis door intercom system
- Extended weather protection for outdoor installation
- External housing for frame surface mounting (3 modules) for the ModuVis door intercom system
- Extended weather protection for outdoor installation

Dimensions (W × H × D)	122 x 115 mm	224 x 115 mm	325 x 115 mm
Scope of delivery	1 x Outdoor shield for frame surface mount (1 module) • 1 x Quickguide • 1 x Safety Instructions	1 x Outdoor shield for frame surface mount (2 modules) • 1 x Quickguide • 1 x Safety Instructions	1 x Outdoor shield for frame surface mount (3 modules) • 1 x Quickguide • 1 x Safety Instructions

ModuVis video door intercom system – now made entirely of stainless steel



The ModuVis video door intercom system will only be available in stainless steel in future. The previous aluminum color variant will be discontinued.

Stainless steel offers lasting resistance to environmental influences, is easy to maintain, and retains its shape. This ensures a consistently high-quality appearance and a long service life for the system.

INDOOR MONITOR



Item number	TVHS20200	TVHS21210	TVHS20220
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Description	7" PoE Touch Monitor white, LAN/WiFi for door intercom	7" Touch Monitor white, 2-wire for door intercom	10" PoE Touch Monitor white, LAN/WiFi for door intercom
	<ul style="list-style-type: none"> Indoor station for FaceXess/ModuVis Simple operation and communication in very good voice and picture quality within the door intercom system Live image display of the video module or of up to 16 network cameras (IP/WLAN) Intercom and react (e.g. opening the door) when someone rings the bell Recording on internal memory (expandable with microSD card) Saving and displaying pictures of missed people who rang the bell Relay output for flat door opener Digital input for floor bell push button and connection for existing door bell PoE network connection and WLAN/WiFi Including wall bracket (mounting plate) 	<ul style="list-style-type: none"> Indoor station for the FaceXess/ModuVis door intercom system Simple operation and communication in very good voice and picture quality within the door intercom system Live image display of the video module or of up to 16 network cameras (IP/WLAN) Intercom and react (e.g. opening the door) when someone rings the bell Recording on internal memory (expandable with MicroSD card) Save and display pictures of missed people who rang the bell. Connection for already existing door gong Relay output for door opener of the flat floor door Digital input for floor bell push button Including wall bracket (mounting plate) 	<ul style="list-style-type: none"> Indoor station for FaceXess/ModuVis Simple operation and communication in very good voice and picture quality within the door intercom system (up to 49 monitors) Live image display of the video module or of up to 16 network cameras (IP/WLAN) Intercom and react (e.g. opening the door) when someone rings the bell Recording on internal memory (expandable with microSD card) Saving and displaying pictures of missed people who rang the bell Relay output for flat door opener Digital input for floor bell push button and connection for existing door bell PoE network connection and WLAN/WiFi Including wall bracket (mounting plate)

Display	7" Touchscreen Monitor	7" Touchscreen Monitor	10" Touchscreen Monitor
Resolution	1.024 x 600 Pixel	1.024 x 600 Pixel	1.024 x 600 Pixel
Audio	Built-in microphone and speaker	Built-in microphone and speaker	Built-in microphone and speaker
Microphone	Yes	Yes	Yes
Operation	Touch-Screen	Touch-Screen	Touch-Screen
Connections	1 x RJ45, 1 x DC, 8 x alarm input, 2 x alarm output	1 x DC/Audio/Video, 1 x switching input, 2 x alarm output	1 x RJ45, 1 x DC, 8 x alarm input, 2 x alarm output
Network access	RJ45	-	RJ45
PoE standard	IEEE 802.3af	-	IEEE 802.3af
Max. operating temperature	55 °C	55 °C	55 °C
Min. operating temperature	-10 °C	-10 °C	-10 °C
Max. humidity	90 %	90 %	90 %
Compatible with ABUS Link Station	Yes	Yes	Yes
Dimensions (W x H x D)	200 x 140 x 15 mm	200 x 140 x 15 mm	254 x 166 x 15 mm
Scope of delivery	1 x 7" PoE Touch Monitor LAN/WiFi • 1 x Wall mount • 1 x I/O cables • 1 x Quickguide • 1 x Safety Instructions	1 x 7" Touch Monitor 2-wire • 1 x Wall mount • 1 x I/O cables • 1 x Quickguide • 1 x Safety Instructions	1 x 10" PoE Touch Monitor LAN/WiFi • 1 x Wall mount • 1 x I/O cables • 1 x Quickguide • 1 x Safety Instructions

ACCESSORIES DOOR INTERCOM SYSTEMS



Item number	TVHS20320	TVHS20340	TVHS30330
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Description	Monitor desk mount	Security module	Security module
	<ul style="list-style-type: none"> Table mount for the door intercom system ModuVis Suitable for 7" & 10" indoor station (PoE & 2-wire) 	<ul style="list-style-type: none"> Security module for the ABUS door station Manipulation protection for the door station Interface for electric locks 	<ul style="list-style-type: none"> Security module for the ABUS Moduvis door station or FaceXess facial recognition terminal Tamper protection for the door station or facial recognition terminal Interface for electric door openers or motorised locks
Dimensions (W x H x D)	122 x 64 x 86 mm	115 x 48 x 25 mm	54 x 16 x 44 mm
Scope of delivery	1 x Monitor Table Stand	1 x Security module • 1 x Mounting material • 2 x Connection cable • 1 x Drilling template	1 x Security module • 1 x Safety information



Item number	TVHS20300	TVHS21310
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Description	24V DC power supply unit for DIN Rail	2-wire distributor for video module
	<ul style="list-style-type: none"> 24V DC power supply unit for the ModuVis door intercom system Suitable for installation with 2-wire distributor TVHS20310/TVHS21310 Compatible with DIN rail TH 35/7.5 or TH 35/15 	<ul style="list-style-type: none"> 2-wire distributor for the ModuVis door intercom system Required for installation with 2-wire video module and 2-wire indoor station
Dimensions (W x H x D)	53 x 55 x 90 mm	144 x 90 x 65 mm
Scope of delivery	1 x 24 VDC power supply for top hat rail • 1 x Safety Instructions	1 x 2-Wire distributor for video module • 1 x Quickguide • 1 x Safety Instructions

APPS & SOFTWARE, ACCESSORIES

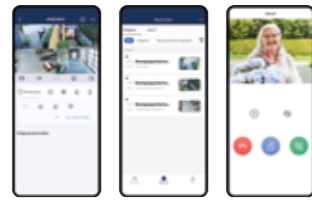
For optimal performance and maximum utility, ABUS IP cameras and network recorders are complemented by intuitive control centre software, mobile app and innovative video management software to create a comprehensive surveillance system.

With ABUS, you also receive all the accessories for installation and operation of the video system, such as monitors, switches, hard disks, power supply units, etc., directly from a single source. For your easy ordering and logistics, so that everything fits on site at the installation date.

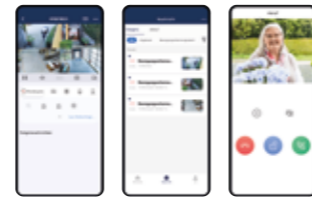


Everything in view even without control centre software: simply via the ABUS Link Station app.

APPS & SOFTWARE



Item number **APP12700** 

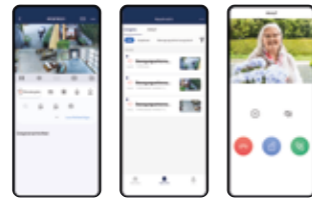


Item number **APP12750** 

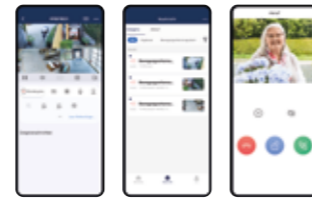
Description	ABUS Link Station Lite (Android)	ABUS Link Station Pro (Android)
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- Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop
- Remote access to live images and recordings via mobile end devices
- Live image display from up to 16 cameras in landscape mode
- Push notification when someone calls
- Save snapshots/video clips directly from the live view
- Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes
- Control and configure a zoom camera (PTZ) using the touch screen
- Control switches or relays, e.g. to open a door or operate a light switch
- Secure connection via encrypted data transfer

- Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop
- Remote access to live images and recordings via mobile end devices
- Live image display from up to 16 cameras in landscape mode
- Push notification when someone calls
- Direct saving of snapshots/video clips from the live view
- Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes
- Control and configure a zoom camera (PTZ) using the touch screen
- Control switches or relays, e.g. to open a door or operate a light switch
- Secure connection via encrypted data transfer



Item number **APP12800** 



Item number **APP12850** 

Description	ABUS Link Station Lite (iOS)	ABUS Link Station Pro (iOS)
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- Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop
- Remote access to live images and recordings via mobile end devices
- Live image display from up to 16 cameras in landscape mode
- Push notification when someone calls
- Save snapshots/video clips directly from the live view
- Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes
- Control and configure a zoom camera (PTZ) using the touch screen
- Control switches or relays, e.g. to open a door or operate a light switch
- Secure connection via encrypted data transfer

- Intuitive user and operator interfaces, e.g. camera arrangement via drag & drop
- Remote access to live images and recordings via mobile end devices
- Live image display from up to 16 cameras in landscape mode
- Push notification when someone calls
- Direct saving of snapshots/video clips from the live view
- Pinch-to-zoom function: stepless digital zooming in the camera's live image and playback modes
- Control and configure a zoom camera (PTZ) using the touch screen
- Control switches or relays, e.g. to open a door or operate a light switch
- Secure connection via encrypted data transfer



Item number **TVSW12000**

Description	ABUS IP Installer (Windows)
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- PC software for performing quick searches for all ABUS devices on the network
- Quick process for making changes to the IP settings
- Display of firmware statuses and automatic online firmware updates for all ABUS cameras and recorders
- Straightforward download of the manual and quick guide for discovered devices



Item number **TVSW11001**

Description	ABUS CMS Software (Windows)
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- PC software for management of up to 256 recorders and 1024 video channels
- Live view and playback for up to 64 cameras on 4 monitors
- Integrated time schedule management, event programming and log data evaluation
- Graphical bar display of the camera archive with time bars for event and continuous record
- Remote configuration for recorder programming
- Simple data export via integrated download manager
- Integrated alarm manager with pop-up function for immediate display and playback of suspicious events
- Creation of snapshots directly from the live view
- Creation and management of up to 50 users, with the option of individual configuration for each user
- Smart search through recordings using motion detection so events can be found quickly

DONGLE:



Item Number	Name	Description
TVAX11000	USB Dongle for Axxon Software	Serves as a hardware key for unlocking software modules and system extensions. It is connected via the USB port and ensures secure license protection as well as flexible license management for various Axxon products
TVAX11010	USB Dongle for Axxon Software (Linux)	Serves as a hardware key for unlocking software modules and system extensions. It connects via the USB port and ensures secure license protection as well as flexible license management for Linux-based systems

AXXON ONE PROFESSIONAL:



Item Number	Name	Description
Axxon One Professional – basic modules		
TVAX11200	Axxon One Professional Camera License	Allows to capture, display, record, transmit and playback one video channel from a camera or IP device. Additional camera functionality is included (I/O, audio, PTZ).
TVAX11220	Axxon One Professional Event Source (Device) License	Software module allowing a single device (POS, Access Control, Security and fire alarm, etc.) receive events in real time and correlate the received information with the video.
Axxon One Professional – add-on modules (required camera license in the system)		
TVAX11210	Axxon One Professional AI Feature License Pack, per camera	Allows to use a system of intelligent forensic search - MomentQuest, Face search, LPR search through video recordings in the archive. Item includes Tag&Track module - functions for tracking of moving objects, Fire/Smoke detection, Human/Vehicle detection, Face Mask detection, AxxonData reports and Retail pack modules. Per detector.
TVAX11243	Axxon One Professional Face Recognition Camera License (VL), 1 video channel	Allows to run facial recognition in real-time from any surveillance cameras and instantly match them against a watchlist of individuals. Facial recognition module can send notification alert (UI, Text, Email, API) when a certain person matched the positive/negative lists. Enrolling watchlist database size is not limited by license and can be synchronized in the cloud. The module can initiate opening a door or other actions running a macro to automate tasks.
TVAX11244	Axxon One Professional Face Recognition Camera License (VL), 10 video channel	Allows to run facial recognition in real-time from any surveillance cameras and instantly match them against a watchlist of individuals. Facial recognition module can send notification alert (UI, Text, Email, API) when a certain person matched the positive/negative lists. Enrolling watchlist database size is not limited by license and can be synchronized in the cloud. The module can initiate opening a door or other actions running a macro to automate tasks.
TVAX11251	Axxon One Professional License Plate Recognition Camera License (IV)	Allows to run vehicle license plate recognition in real time from any surveillance cameras and send notification alert (UI, Text, Email, API) when a certain license plate is detected from the positive/negative lists. The module can initiate opening a gate or other actions running a macro to automate tasks. Per detector.
TVAX11265	Axxon One Professional Neural Counter Camera License	Allows to count moving or static objects of a specific type within the scene, e.g., cars in a parking lot, people on the sales floor, wares moving on a conveyor belt, etc. Per counter.
TVAX11270	Axxon One Professional Custom AI Analytics Camera License	Allows to use custom video analytics detectors based on Artificial Intelligence and Neural networks. Per detector.
TVAX11275	Axxon One Professional Personal Protective Equipment Detector Camera License	Allows to detect personnel with no Personal Protective Equipment, like helmet, reflective vest, protective clothing. Per camera.
TVAX11285	Axxon One NVR/DVR/Multi-Imager	Allows to capture, display, record, transmit and playback four video channels from NVR/DVR/ Multi-Imager. Additional functionality included (I/O, audio, PTZ). Up to 64 channels in system.
TVAX11290	Axxon One Professional Edge-LPR	Allows to connect one edge LPR device.

AXXON ONE ENTERPRISE:



Item Number	Name	Description
Axxon One Enterprise – basic modules		
TVAX11300	Axxon One Enterprise Camera License	Allows to capture, display, record, transmit and playback one video channel from a camera or IP device. Additional camera functionality is included (I/O, audio, PTZ). AI Feature License Pack & Retail modules are included.
TVAX11310	Axxon One Enterprise Event Source (Device) License	Software module allowing a single device (POS, Access Control, Security and fire alarm, etc) receive events in real time and correlate the received information with the video.
Axxon One Enterprise – add-on modules (required camera license in the system)		
TVAX11343	Axxon One Enterprise Face Recognition Camera License (VL), 1 video channel	Allows to run facial recognition in real-time from any surveillance cameras and instantly match them against a watchlist of individuals. Facial recognition module can send notification alert (UI, Text, Email, API) when a certain person matched the positive/negative lists. Enrolling watchlist database size is not limited by license and can be synchronized in the cloud. The module can initiate opening a door or other actions running a macro to automate tasks.
TVAX11344	Axxon One Enterprise Face Recognition Camera License (VL), 10 video channel	Allows to run facial recognition in real-time from any surveillance cameras and instantly match them against a watchlist of individuals. Facial recognition module can send notification alert (UI, Text, Email, API) when a certain person matched the positive/negative lists. Enrolling watchlist database size is not limited by license and can be synchronized in the cloud. The module can initiate opening a door or other actions running a macro to automate tasks.
TVAX11351	Axxon One Enterprise License Plate Recognition Camera License (IV)	Allows to run vehicle license plate recognition in real time from any surveillance cameras and send notification alert (UI, Text, Email, API) when a certain license plate is detected from the positive/negative lists. The module can initiate opening a gate or other actions running a macro to automate tasks. Per detector
TVAX11365	Axxon One Enterprise Neural Counter Camera License	Allows to count moving or static objects of a specific type within the scene, e.g., cars in a parking lot, people on the sales floor, wares moving on a conveyor belt, etc. Per counter.
TVAX11375	Axxon One Enterprise Personal Protective Equipment Detector Camera License	Allows to detect personnel with no Personal Protective Equipment, like helmet, reflective vest, protective clothing. Per camera.
TVAX11380	Axxon One Enterprise Human Behavior Analytics Camera License	Allows to recognize hazardous situations by detecting specific human postures: raised arms, man down detector, crouch, and social distancing. Per detector.

UPGRADE OPTIONS:



Item Number	Name	Description
TVAX11230	Axxon One Professional to Enterprise Event Source (Device) License Upgrade	Upgrade from Axxon One Professional to Axxon One Enterprise.
TVAX11235	Axxon One Professional to Enterprise Camera License Upgrade	Upgrade from Axxon One Professional to Axxon One Enterprise.

ACCESSORIES

ACCESSORIES



Item number TVAC10101

Description	7" Universal test monitor
	<ul style="list-style-type: none"> • Universal test monitor for the maintenance and installation of IP network cameras as well as analog TVI, CVI, AHD and CVBS cameras • High-resolution 7" touch display with 1.280 x 800 pixels • Supports 4K H.264 and 4K H.265 streams • Compatible with third-party manufacturers over neutral protocol • With network tools to maintain and verify the network • Integrated PoE power supply with 24 W at the LAN port • Integrated mobile power supply for devices and integrated USB power supply for USB devices • Wi-Fi and Wi-Fi hotspot feature • With cable tester for checking network cables • Data backup on SD card possible (screenshots / videos / documents)
Dimensions (W x H x D)	231 x 172 x 52 mm
Scope of delivery	1 x 7" Universal test monitor • 1 x Power Supply • 1 x International adapter for power supply • 1 x Cable tester No.255 • 1 x DC Cable • 1 x 3.5 mm jack adapter cable • 1 x RS-485 adapter cable • 1 x Carry bag • 1 x Large carrying strap • 2 x Small carrying strap • 1 x SD card 8 GB



Item number TVAC71070



Item number TVAC31700

Description	IR Illuminator, 15 W, 10°- 95° changeable lens	Mounting bracket for IR illuminator
	<ul style="list-style-type: none"> • Interchangeable diffuser lens 10°, 20°, 30°, 40°, 80° & 95° • Range up to 130 m • Weatherproof housing IP66 • Variable power supply input 12-32 V DC / 24 V AC +/-10% • Additional bracket available for horizontal alignment TVAC31700 • Integrated photo sensor for automatic activation and deactivation • Control input for remote switching • Self-cleaning lens coating technology 	<ul style="list-style-type: none"> • Additional mounting bracket available for a TVAC71070 IR illuminator • For horizontal pivoting of the IR illuminator up to 180° • Stainless steel, black powder coated
Dimensions (W x H x D)	78 x 110 x 68 mm	113 x 100 x 75 mm
Scope of delivery	1 x IR-Illuminator • 1 x Set of interchangeable lenses 10° to 95° • 1 x Mounting tool for interchangeable lens • 1 x Bracket • 1 x L-Wrench • 1 x Mounting material	1 x Mounting bracket for IR illuminator • 1 x Mounting material



Item number TVAC10002



Item number TVAC10014

Description	10.4" LED Monitor with BNC Input	21.5" LED Monitor with BNC Input
	<ul style="list-style-type: none"> • High contrast 10.4" LED monitor (4:3 format) • Resolution: 800 x 600 pixels • Connections: 1 x HDMI, 1 x VGA, 1 x BNC input, 1 x BNC output, 1 x audio input • LED backlighting: Brilliant colour display and high contrast • Integrated loudspeaker • Compatible with VESA brackets • Compact dimensions: ideal for checkout areas, for example 	<ul style="list-style-type: none"> • High-contrast 21" LED monitor with bright colour display (16:9 format) • Full HD resolution: 1.920 x 1.080 pixels • Connections: 1 x HDMI, 2x BNC input and output for HD-TVI, HD-CVI, AHD and CVBS • Plug & Play with all conventional analogue technologies • LED backlighting: Brilliant colour display and high contrast • Compatible with VESA brackets
Dimensions (W x H x D)	268 x 222 x 29 mm	490 x 359 x 147 mm
Scope of delivery	1 x 10.4" LED Monitor with BNC Input • 1 x HDMI cable • 1 x Power supply unit	1 x 21.5" LED Monitor with BNC port • 1 x Power supply • 1 x Cable HDMI • 1 x Important safety information





Item number TVAC10062







Item number TVAC10071

Description	24" Full HD LED Monitor	27" 4K Ultra HD LED Monitor
	<ul style="list-style-type: none"> • 24" LED monitor with full HD resolution: 1920 x 1080 pixels • Fast reaction time (5 ms) for flowing images • Brilliant colour display and high contrast in 16:9 format • Ideal for high-resolution full HD recording systems • Graphical on-screen display (OSD) • Connections: HDMI, VGA • Low power consumption for long-term monitoring (LED technology) • Compatible with VESA brackets for wall and ceiling installation 	<ul style="list-style-type: none"> • 27" LED monitor with 4K ultra HD resolution: 3840 x 2160 pixels • Fast reaction time (5 ms) for flowing images • Brilliant colour display and high contrast in 16:9 format • Ideal for high-resolution 4K recording systems • Graphical on-screen display (OSD) • Connections: HDMI, DisplayPort (DP), PC audio output 3.5 mm • Integrated loudspeaker • Low power consumption for long-term monitoring (LED technology) • Compatible with VESA brackets for wall and ceiling installation
Dimensions (W x H x D)	540 x 327 x 43.5 mm	615 x 400 x 250 mm
Scope of delivery	1 x 24" Full HD LED Monitor • 1 x Power supply (EU) • 1 x HDMI cable • 1 x safety information	1 x 27" Full HD LED Monitor • 1 x Power supply • 1 x HDMI cable • 1 x Important safety information

Item number	ITAC10101	ITAC10111
		
Description	4-Port PoE Gigabit Switch <ul style="list-style-type: none"> • Connections: 4x PoE Gigabit (downstream), 1x Gigabit (uplink) RJ45 • Supports PoE, PoE+ and Hi-PoE (IEEE 802.3 af/at/bt) • Plug & Play, no configuration required • Robust design, easy and universal to install • 6 kV overvoltage protection reduces the risk of failure and damage • Silent operation thanks to fanless design • Ideal for large areas: Up to 300 m cable length can be realised on one port 	8-Port PoE Gigabit Switch <ul style="list-style-type: none"> • Connections: 8x PoE Gigabit (downstream), 1x Gigabit (uplink) RJ45, 1x Gigabit (uplink) SFP • Supports PoE, PoE+ and Hi-PoE (IEEE 802.3 af/at/bt) • Plug & Play, no configuration required • Robust design, easy and universal to install • 6 kV overvoltage protection reduces the risk of failure and damage • Silent operation thanks to fanless design • Ideal for large areas: Up to 300 m cable length can be realised on 2 ports (depending on camera model and cable condition)
Dimensions (W x H x D)	121 x 27.5 x 88 mm	218 x 27.8 x 109 mm
Scope of delivery	1 x 4-Port PoE Gigabit Switch • 1 x Power supply unit • 1 x Safety instructions	1 x 8-Port PoE Gigabit Switch • 1 x Power supply unit • 1 x Safety instructions

Item number	ITAC10121	ITAC10131
		
Description	16-Port PoE Gigabit Switch Managed <ul style="list-style-type: none"> • Connections: 16 x PoE Gigabit (downstream), 1 x Gigabit (uplink) RJ45, 1 x Gigabit (uplink) SFP • Supports PoE and PoE+ (IEEE 802.3 af/at, max. 230 W) • Supports web-based network management and PoE management • Display of PoE power consumption for each port in the web browser • 6 kV overvoltage protection reduces the risk of failure and damage • Port isolation, PoE watchdog, link aggregation/port bundling, loop prevention/loop avoidance • Suitable for professional installation in a 19" 	24-Port PoE Gigabit Switch Managed <ul style="list-style-type: none"> • Connections: 16 x PoE Gigabit (downstream), 1 x Gigabit (uplink) RJ45, 1 x Gigabit (uplink) SFP • Supports PoE and PoE+ (IEEE 802.3 af/at, max. 370 W) • Supports web-based network management and PoE management • Display of PoE power consumption for each port in the web browser • 6 kV overvoltage protection reduces the risk of failure and damage • Port isolation, PoE watchdog, link aggregation/port bundling, loop prevention/loop avoidance • Suitable for professional installation in a 19"
Dimensions (W x H x D)	440 x 44 x 221 mm	440 x 44 x 221 mm
Scope of delivery	1 x 16-Port PoE Gigabit Switch Managed • 1 x Safety instructions • 1 x Mains cable (EU) • 1 x Mounting hardware for 19" rack	1 x 24-Port PoE Gigabit Switch Managed • 1 x Safety instructions • 1 x Mains cable (EU) • 1 x Mounting hardware for 19" rack

Item number	ITAC10260	ITAC10320
		
Description	SFP Module Singlemode <ul style="list-style-type: none"> • SFP modules for LC plugs according to SFF-8472 standard • Supports hot-plug • Supports single-mode optical fibres • Transmission distance of up to 20 km • 1310 nm FP laser • Complies with the IEC-60825 laser safety standard 	Powerline PoE Adapter* <ul style="list-style-type: none"> • Data transmission via available power grid • 2 x RJ45 (2 x PoE 802.3af or 1 x PoE 802.3at) • Supports PoE for direct operation of your PoE-capable network device at the Powerline Adapter • Fast transmission rates of up to 1000 Mbit/s according to G.hn (HomeGrid standard) • Supports up to 16 adapters in a network • Secure transmission thanks to 128 bit AES encryption
Dimensions (W x H x D)	14 x 6 x 56 mm	72 x 146 x 39 mm
Scope of delivery	1 x SFP module	1 x Powerline PoE Adapter • 1 x Ethernet cable • 1 x Safety instructions

Item number	TVAC25005	TVAC25001
		
Description	PoE Injector, 60 W <ul style="list-style-type: none"> • For transmitting data and power to High PoE-compatible network cameras via network cable • For cameras of up to 60 watt power consumption • Transmission range of up to 100 m • Compatible with ABUS model IPCS84551 	PoE Injector, 30 W <ul style="list-style-type: none"> • For transmitting power and data via network cable to all PoE capable network cameras • Transmission range up to 100 m • PoE+ with 30 W output power • Meets IEEE 802.3af/at, IEEE 802.3 10Base-T/100Base-TX/IEEE802.3ab 1000Base-T standard
Dimensions (W x H x D)	70 x 36 x 180 mm	60 x 64 mm
Scope of delivery	1 x PoE Injector, 60W	1 x PoE Injector • 1 x Power cable • 1 x Clamp for power cable

*in der Schweiz nicht erhältlich



Item number	TVAC26030	TVAC26010
Description	DVR/PTZ network controller <ul style="list-style-type: none"> • 3D joystick with zoom in/out function • Direct control of a DVR/NVR possible • Direct access to the OSD of the dome camera possible • LCD display for viewing • RS485 interface / RJ45 interface 	USB Keyboard for ABUS CMS <ul style="list-style-type: none"> • Simple PTZ control of cameras with ABUS CMS software • 3-axis joystick (horizontal/vertical/rotation) • 15 freely configurable buttons for presets/patrols and other functions • 2 shortcut buttons on the control handle for taking snapshots • Power supply and data transmission via USB • Plug and play installation via USB port
Dimensions (W x H x D)	345 x 118 x 165 mm	167 x 116 x 177 mm
Scope of delivery	1 x DVR/NVR/PTZ Controller • 1 x 8-pin terminal connector • 1 x Power supply unit	1 x USB Keyboard for ABUS CMS/NVR



Item number	TVAC35500	TVAC35510	TVAC35520
Description	CCTV Performance Power Supply 2 A <ul style="list-style-type: none"> • Regulated 13.8 V DC output signal • Electronic overload protection • Additional 1.0 charging current for backup battery (with holding charge) • LED control indicators for mains and fuse • Rugged metal housing 	CCTV Performance Power Supply 3 A <ul style="list-style-type: none"> • Regulated 13.8 V DC output signal • Electronic overload protection • Additional 1.0 charging current for backup battery (with holding charge) • LED control indicators for mains and fuse • Rugged metal housing 	CCTV Performance Power Supply 5 A <ul style="list-style-type: none"> • Regulated 13.8 V DC output signal • Electronic overload protection • Additional 1.0 charging current for backup battery (with holding charge) • LED control indicators for mains and fuse • Rugged metal housing
Dimensions (W x H x D)	338 x 281 x 86 mm	338 x 281 x 86 mm	338 x 281 x 86 mm
Scope of delivery	1 x CCTV Performance Power Supply 2 A • 1 x Instruction guide • 1 x Installation material	1 x CCTV Performance Power Supply 3 A • 1 x Installation manual • 1 x Installation material	1 x CCTV Performance Power Supply 5 A • 1 x Installation manual • 1 x Installation material



Item number	TVAC35202	TVAC35001	TVAC35800	TVAC40890
Description	Mini clip built-in power supply unit 12V / 1A <ul style="list-style-type: none"> • Quick installation: lever spring clamp means tool is not required • Quick installation in 55 mm flush sockets • Input voltage: 230 V AC • Output voltage: 12 V DC at 1.0 A 	Plug-in Power Supply „International“ <ul style="list-style-type: none"> • Flexible switching power supply for international use • 3 different plug adapters (EU, AUS, UK) • Output voltage 12 V DC with 1.5 A 	DC 2-Pin Adapter female <ul style="list-style-type: none"> • Connection of a 2 wire power supply to the round plug (DC) of the camera 	RJ45 Connector <ul style="list-style-type: none"> • Suited for CAT-5 cable
Dimensions (W x H x D)	55 x 51 x 26 mm	43.5 x 74 x 35.5 mm	35 x 14 x 13 mm	14 x 14 x 35 mm
Scope of delivery	1 x Mini clip built-in power supply unit	1 x Plug-in Power Supply „International“ • 1 x 3 different plug attachments (EU, AUS, UK)	1 x DC/2 Pin Adapter	1 x RJ45 Connector • 1 x Bend relief



Item number	AU1420	AU1421	AU1500
Description	Warning Sticker CCTV surveillance with ABUS Logo, (german) 148x105mm <ul style="list-style-type: none"> • Printed on both sides • Reflective • For attachment on and behind glass • Weatherproof • Notice of video surveillance is required by law in public areas 	Warning Sticker CCTV Surveillance with ABUS Logo, (German) 74x52,5mm <ul style="list-style-type: none"> • Printed on both sides • Reflective • For attachment on and behind glass • Weatherproof • Notice of video surveillance is required by law in public areas 	Warning Sticker CCTV Surveillance (german) 90 x 90 mm <ul style="list-style-type: none"> • Designed according to DIN 33450 • Printed on both sides for 'on-glass' and 'behind-glass' mounting • Weather-resistant • For publicly accessible spaces, a notice regarding video surveillance is required by law.
Dimensions (W x H x D)	148 x 105 mm	74 x 52.5 mm	90 x 90 mm
Scope of delivery	1 x Warning Sticker CCTV surveillance with ABUS Logo, (german) 148x105mm	1 x Warning Sticker CCTV Surveillance with ABUS Logo, (German) 74x52,5mm	1 x Warning Sticker CCTV Surveillance



Item number	TVAC41011	TVAC41021	TVAC41041
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Description	1 TB 3.5" SATA HDD	2 TB 3.5" SATA HDD	4 TB 3.5" SATA HDD
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| <ul style="list-style-type: none"> • Hard drive with 1 TB storage capacity and form factor 3.5" • Optimised for use in an ABUS recording system (NVR & DVR) • Suitable for 24/7 recording • Low power consumption | <ul style="list-style-type: none"> • Hard drive with 2 TB storage capacity and form factor 3.5" • Optimised for use in an ABUS recording system (NVR & DVR) • Suitable for 24/7 recording • Low power consumption | <ul style="list-style-type: none"> • Hard drive with 4 TB storage capacity and form factor 3.5" • Optimised for use in an ABUS recording system (NVR & DVR) • Suitable for 24/7 recording • Low power consumption |
|---|---|---|

Dimensions (W x H x D)	102 x 20 x 147 mm	102 x 26 x 147 mm	102 x 26 x 147 mm
Scope of delivery	1 x SATA Harddrive 1 TB	1 x SATA Harddrive 2 TB	1 x SATA Harddrive 4 TB



Item number	TVAC41061	TVAC41081	TVAC41091
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Description	6 TB 3.5" SATA HDD	8 TB 3.5" SATA HDD	10 TB 3.5" SATA HDD
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|---|---|--|
| <ul style="list-style-type: none"> • Hard drive with 6 TB storage capacity and form factor 3.5" • Optimised for use in an ABUS recording system (NVR & DVR) • Suitable for 24/7 recording • Low power consumption | <ul style="list-style-type: none"> • Hard drive with 8 TB storage capacity and form factor 3.5" • Optimised for use in an ABUS recording system (NVR & DVR) • Suitable for 24/7 recording • Low power consumption | <ul style="list-style-type: none"> • Hard drive with 10 TB storage capacity and form factor 3.5" • Optimised for use in an ABUS recording system (NVR & DVR) • Suitable for 24/7 recording • Low power consumption |
|---|---|--|

Dimensions (W x H x D)	102 x 26 x 147 mm	102 x 26 x 147 mm	102 x 26 x 147 mm
Scope of delivery	1 x SATA Harddrive 6 TB	1 x SATA Harddrive 8 TB	1 x SATA Harddrive 10 TB



Item number	TVAC41121	TVAC41131	TVAC41141
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Description	MicroSD-card 128 GB High Endurance	MicroSD card 256 GB High Endurance	MicroSD card 512 GB High Endurance
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| <ul style="list-style-type: none"> • Ideal for storing video data during long-term continuous operation | <ul style="list-style-type: none"> • Ideal for storing video data during long-term continuous operation | <ul style="list-style-type: none"> • Ideal for storing video data during long-term continuous operation |
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Scope of delivery	1 x microSD-Karte 128GB High Endurance	1 x microSD-Karte 256GB High Endurance	1 x microSD-Karte 512GB High Endurance
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Item number	TVAC40802	TVAC40801	TVAC40811	TVAC40831	TVAC40841	TVAC40851
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Description	0,22m CAT 6 Slim Patch Cable U/UTP	0,5 m CAT 6A S/FTP PIMF patch cable	1 m CAT 6A S/FTP PIMF patch cable	5 m CAT 6A S/FTP PIMF patch cable	10 m CAT 6A S/FTP PIMF patch cable	20 m CAT 6A S/FTP PIMF patch cable
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| <ul style="list-style-type: none"> • Flat and bendable patch cable for easy connection and placement in flush-mounted boxes | <ul style="list-style-type: none"> • Twisted pair cable with RJ45 plug • Suitable for Ethernet networks up to 10 gigabits per second | <ul style="list-style-type: none"> • Twisted pair cable with RJ45 plug • Suitable for Ethernet networks up to 10 gigabits per second | <ul style="list-style-type: none"> • Twisted pair cable with RJ45 plug • Suitable for Ethernet networks up to 10 gigabits per second | <ul style="list-style-type: none"> • Twisted pair cable with RJ45 plug • Suitable for Ethernet networks up to 10 gigabits per second | <ul style="list-style-type: none"> • Twisted pair cable with RJ45 plug • Suitable for Ethernet networks up to 10 gigabits per second | <ul style="list-style-type: none"> • Twisted pair cable with RJ45 plug • Suitable for Ethernet networks up to 10 gigabits per second |
|--|--|--|--|--|--|--|

Scope of delivery	1 x 0,22 m CAT 6 Slim Patch Cable	1 x 0.5 m CAT 6A S/FTP PIMF patch cable	1 x 1 m CAT 6A S/FTP PIMF patch cable	1 x 5 m CAT 6A S/FTP PIMF patch cable	1 x 10 m CAT 6A S/FTP PIMF patch cable	1 x 20 m CAT 6A S/FTP PIMF patch cable
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Item number	TVAC4-0110	TVAC4-0120	TVAC4-0130
Description	10 m Preassembled Video Combination Cable	20 m Preassembled Video Combination Cable	30 m Preassembled Video Combination Cable
	<ul style="list-style-type: none"> • Video signal and power supply in combined in one cable • Pre-assembled BNC and DC connections • Suitable for all cameras with BNC socket (female) and power supply connection (male) • 10 m cable length 	<ul style="list-style-type: none"> • Video signal and power supply in combined in one cable • Pre-assembled BNC and DC connections • Suitable for all cameras with BNC socket (female) and power supply connection (male) • 20 m cable length 	<ul style="list-style-type: none"> • Video signal and power supply in combined in one cable • Pre-assembled BNC and DC connections • Suitable for all cameras with BNC socket (female) and power supply connection • 30 m cable length
Scope of delivery	1 x 10 m Preassembled Video Combination Cable • 1 x BNC coupling	1 x 20 m Preassembled Video Combination Cable • 1 x BNC coupling	1 x 30 m Preassembled Video Combination Cable • 1 x BNC coupling



Item number	TV8602	TV8601	TV8600
Description	RG59 Video Cable 50 m	RG59 Video Cable 100 m	RG59 Video Cable 250 m
	<ul style="list-style-type: none"> • 75 ohm, type 0.6 L/3.7 mm • Length: 50 m 	<ul style="list-style-type: none"> • 75 ohm, type 0.6 L/3.7 mm • Length: 100 m 	<ul style="list-style-type: none"> • 75 ohm, type 0.6 L/3.7 mm • Length: 250 m
Scope of delivery	1 x RG59 Video Cable 50 m	1 x RG59 Video Cable 100 m	1 x RG59 Video Cable 250 m



Item number	TV8613	TVAC35800
Description	Crimping Pliers	DC 2-Pin Adapter female
	<ul style="list-style-type: none"> • Suited for various BNC crimp plug types • Ergonomic handle shape • Optimised colour image 	<ul style="list-style-type: none"> • Connection of a 2 wire power supply to the round plug (DC) of the camera
Dimensions (W x H x D)	70 x 10 x 200 mm	35 x 14 x 13 mm
Scope of delivery	1 x Crimping Pliers	1 x DC/2 Pin Adapter



Item number	TVAC4-0600	TVAC4-0610	TVAC4-0620
Description	BNC Crimp Plug	BNC Angle Crimp Plug	BNC Coupling
	<ul style="list-style-type: none"> • BNC crimp plug for video line RG-59 • 75 ohm • Gold-plated pin 	<ul style="list-style-type: none"> • For passing around corners and edges • BNC angle crimp plug for video line • 75 ohm 	<ul style="list-style-type: none"> • BNC coupling for video line • High-quality material • 75 ohm
Dimensions (W x H x D)	10 x 10 x 25 mm	25 x 10 x 25 mm	7 x 7 x 25 mm
Scope of delivery	1 x BNC Crimp Plug	1 x BNC Angle Crimp Plug	1 x BNC Coupling



Item number TVAC40630 TVAC40640 TVAC40650

Description	BNC T Distributor	BNC-RCA Adapter	BNC-Cinch Coupling
	<ul style="list-style-type: none"> • BNC T-coupling for video line • Distribution of one signal to two outputs • 75 ohm 	<ul style="list-style-type: none"> • Switching from RCA to BNC • BNC (male) – RCA (female) • 75 ohm 	<ul style="list-style-type: none"> • Switching from BNC to cinch • BNC (female) – cinch (male) • 75 ohm

Dimensions (W x H x D)	33 x 10 x 30 mm	8 x 8 x 30 mm	8 x 8 x 28 mm
Scope of delivery	1 x BNC T Distributor	1 x BNC/RCA Adapter	1 x BNC-Cinch Coupling



Item number TVAC25220 TV8468

Description	DC Noise Filter	Interface Converter USB To RS485
	<ul style="list-style-type: none"> • Prevents image interference caused by unstable mains network • Stabilisation of supply voltage through an active voltage regulator • Installation in power cable between camera and power supply unit • Easy and tool-free installation with DC coaxial barrel connector (5.5 x 2.1 mm) 	<ul style="list-style-type: none"> • Converts USB to RS485, half-duplex • Fast connection • Driver CD included

Dimensions (W x H x D)	55 x 23 x 19 mm	25 x 25 x 34 mm
Scope of delivery	1 x DC Noise Filter	1 x Interface Converter USB To RS485 • 1 x USB connection cable • 1 x Software CD



Item number TV8469 TVAC25201

Description	Interface Converter RS-232 To RS-485	2-Wire Analog HD Transmission Set
	<ul style="list-style-type: none"> • Converts RS232-protocol to RS485-protocol, half-duplex • Connectable to serial COM interface (9-pin) • Ideal for speed dome camera control • Simple installation. Plug in. Ready. 	<ul style="list-style-type: none"> • Use of twisted pair or network cables for video transmission • Set consisting of transmitter and receiver • 1 x BNC connector (1 Vp-p, 75 Ohm) • 1 x 2-pin connection • Max. transmission distance: 300 m (2 MPx / 3 MPx), 150 m (5 MPx), 50 m (8 MPx)

Dimensions (W x H x D)	17 x 33 x 53 mm	15 x 17 x 30 mm
Scope of delivery	1 x Interface Converter RS-232 To RS-485	1 x Transmitter • 1 x Receiver



Item number TVAC25230 TVAC25240

Description	Analogue HD Surge Protection	4x analog HD signal distributor
	<ul style="list-style-type: none"> • Protects cameras and recorders from excess voltage • Simple installation on the BNC connection • Fast response time below 1 ns • SPD Type 3 	<ul style="list-style-type: none"> • Supports high resolutions up to 8MPx (4K) without video loss • Transmission of a video signal to up to four monitors or recorders • Suitable for HD-TVI, AHD, HDCVI, 960H, NTSC, PAL • Channel 4 supports HD video + data control signal (UTC - Up The Coax)

Dimensions (W x H x D)	25 x 25 x 79 mm	138 x 30 x 86 mm
Scope of delivery	1 x Surge Protection	1 x 4x analog HD signal distributor • 1 x Power Supply • 1 x Mounting material

ITEM NUMBER INDEX



Item number	KA9000	KA9001	KA9002
Description	Video Combination Cable 250 m <ul style="list-style-type: none"> • Combined cable for video image and power supply • Coaxial cable with 75 Ω impedance • Power line 2 × 0.75 mm² 	Video Combination Cable 100 m <ul style="list-style-type: none"> • Combined cable for video image and power supply • Coaxial cable with 75 Ω impedance • Power line 2 × 0.75 mm² 	Video Combination Cable 50 m <ul style="list-style-type: none"> • Combined cable for video image and power supply • Coaxial cable with 75 Ω impedance • Power line 2 × 0.75 mm²
Scope of delivery	1 x Video Combination Cable 250 m	1 x Video Combination Cable 100 m	1 x Video Combination Cable 50 m

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