IP Spherical Dome 4 MPx (2.8 mm, IR/WL)

Art.-Nr. IPCA54512A

SMALL CAMERA, BIG DETAILS AT NIGHT

This IP Spherical Dome is a compact LAN camera with full colour day/night function and delivers images in 4 MPx resolution. With the IR and white-light LEDs in IP67 housing, it is designed for indoor/outdoor use by day and night. Mobile access to the camera via ABUS Link Station app.

Discreet surveillance: powerful in the dark

The infrared LEDs enable detailed black/white night vision. Intelligent object detection can be used to switch to colour night vision when an event occurs. The Gecko series delivers clear colour images in total darkness thanks to full colour day/night technology - rich in detail for conclusive evidence. The slightest residual light is effectively amplified by the special lens and the extra light-sensitive image sensor. The white-light LEDs provide finely dosed extra light for the image sensor

2 variants for maximum flexibility

The camera is available with 2 focal lengths: 2.8 mm / 104° field of view (IPCA34512A) and 4 mm / 89° (IPCA34512B).

Autom. Object recognition

The security camera distinguishes relevant movements (people, vehicles) from disturbances (branches, light, etc.) - and thus minimises unnecessary motion alarms.

Recording and compatibility

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Recordings are made on ABUS NVR, VMS or microSD card. The camera is compatible with ABUS Secvest, Secoris and WLX Pro.

Quick start-up

Mounting with cable protected by installation box. The ABUS IP Installer software makes network setup easier.

Notes: Without power supply unit, because power is supplied by PoE.
The effective LED range varies depending on the location.

Technologies

- 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)
- Intelligent object recognition (human & vehicle): Video content analysis with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
- Robust, weatherproof housing (IP67), colour: white
- Supports H.264, H.265, MJPEG (incl. Dynamic GOP)
- MicroSD card slot for internal data storage, encrypted for high data security (optional)
- 12 V DC & PoE (802.3af)

Technical data - IP Spherical Dome 4 MPx (2.8 mm, IR/WL)

Additional functions	White light range up to 30 m
Alarm generation	Email, NAS, FTP, App Push
Aperture at minimum illumination (color)	F1.0
Application purpose	General surveillance
Article program	Professional
Audio	Integrated: Microphone
Backlight compensation	WDR, BLC, HLC
Battery - GRS type	ML414H-IV01E
Camera type	Dome
Colour	white
Compatible with	ABUS NVR/DVR, ABUS Link Station App, ABUS CMS

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Compatible with ABUS Link Station	Yes
Compatible with Comfion	Yes
Compatible with Secoris	Yes
Compatible with Secvest	Yes
Compatible with wAppLoxx	Yes
Compatible with wAppLoxx Pro	Yes
Connections	1 x RJ45, 1 x DC
Construction type of device	Dome
Current consumption	600 mA
DC power supply	12 (+/-25 %) V
Day/night switching	ICR/colour/S/W, VCA-controlled between IR and white light
Diameter	138 mm
Digital zoom	Yes
Dimensions	(LxWxH) 138x138x130 mm
Dynamic range (WDR)	120 dB
Electronic shutter	1/12 - 1/100000 s
Encryption	HTTPS, TLS 1.1/1.2/1.3
Focal length	2,8 mm
Frame rate	1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25 fps
Gross weight	1.1 kg
Height	130 mm
Horizontal viewing angle	110 °
Housing material	Metal
ICR day/night function	Yes
IR LEDs	Yes
IR range (up to)	30 m
Image integration	No
Image optimization	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)
Image sensor	1/1.8" Progressive Scan CMOS
Language Manual	DE, UK, FR, NL, DK, IT
Language OSD	DE, UK, FR, NL, DK, IT
Length	138 mm
Lens	Fix
Loudspeaker	No
Max. Air humidity	95 %
Max. Operating temperature	60 °C
Max. Resolution @ frame rate	2688 x 1520 @ 25 fps

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Microphone	Yes
Min. operating temperature	-30 °C
Minimum illumination (IR)	0 lx
Minimum illumination (color)	0.0005 lx
Motion detection	max. 4 zones (with object detection), max. 8 zones (without object detection)
Net weight	0.8 kg
Network bandwidth Video	32 kBit/s - 8 MBit/s
Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP
Network connection LAN	RJ45 10M/100M self-adaptive
Noise suppression	3D DNR
Number of IR LEDs	2
Number of streams	3
Number of users	32
ONVIF	Profile G, S, T
Other functions	Object recognition person/vehicle
PSTI conformity given	Yes
PSTI conformity needed	Yes
Pixels (effective)	2688(H) x 1520(V)
PoE Standard	IEEE 802.3af
Power consumption	7 W
Privacy zones	4
Product group	Camera
Product security update min until	2026-09-01
Protection class IP	67
Radio functions	Sabotage monitoring, region of interest
Radio networked	No
Resolution	4 MP
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)
Storage medium	Optional microSD card (max. 512 GB)
Supported browsers	Google Chrome, MS Edge, Mozilla Firefox, IE11
Vertical angle of view	57 °
Video Content Analysis (VCA)	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video motion detector included	Yes

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Video system	IP
WEEE group	09
White balance	AWB, manual
White light LEDs	2 St.
White light range (up to)	30 m
width	138 mm

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