

IP Panorama Dome 8 MPx (180°, WL)

Art.-Nr. IPCS28581A

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ONE CAMERA. 180° SURVEILLANCE

The multi-imager overview camera for your company premises: with 4K resolution, colour night vision and white light LEDs, the panoramic camera delivers crystal-clear images even in difficult lighting situations.

180° panoramic field of view

The surveillance camera composes a complete 180° panoramic image from the viewing angles of two camera modules. For the best overview without blind spots, also suitable for ultra widescreen display. The LAN camera can be swivelled downwards during installation to capture the area directly in front of/below the camera.

Colour night vision & contrast

See what is happening in total darkness in high-contrast colour images. Even overexposed areas (e.g. with backlighting) are optimally displayed thanks to WDR contrast equalisation.

Fully automatic: person/vehicle object detection

The security camera precisely distinguishes relevant objects (people, vehicles) from disruptive influences and reduces unnecessary motion alarms. For example, person detection triggers an alarm event (app, recorder, software, local alarm) and recording (memory card, ABUS recorder, VMS software).

Alarm camera

Visible, loud alarm with flashing light and warning tone. Perpetrators can also be addressed acoustically via loudspeaker.

ABUS Link Station app

Mobile access with live view, playback and push alarm.

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Technologies

- 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
- Video stream with panoramic view (180° horizontal viewing angle) with the combined field of view of both lenses; alignment of the tilt angle (vertical) on the mount: view into the distance or tilted including the area in front of the camera
- Detailed color images in the dark (24/7) thanks to full-color day/night technology; effectively amplifies minimal ambient light using a special lens and very light-sensitive image sensor
- Discreet illumination of the field of view with white light LEDs (up to 30 m range) for accurate color images in total darkness (e.g. interior), as additional lighting for the image sensor (barely visible to the eye)
- Object detection (human & vehicle) for high real alarm precision: Video content analysis with person and vehicle detection for automatic differentiation of people/vehicles from disruptive influences (branches, light fluctuations, etc.)
- 130 dB WDR function for effective compensation of image contrasts, strong backlight, etc.
- Alarm camera function: with active flashlight and acoustic alarm output (audio alarm/warning tone/voice announcement from integrated loudspeaker), the camera issues a local alarm or speaks to the perpetrator
- Weatherproof IP67 housing & internal data storage (Micro SD card)
- Supports H.264, H.265, MJPEG (including dynamic GOP); Power supply: 12 V DC & PoE (802.3af)

Technical data - IP Panorama Dome 8 MPx (180°, WL)

Aperture at minimum illumination (colour)	1.0
Audio	Integrated: Microphone, Loudspeaker; Connectable: Microphone, Loudspeaker
Backlight compensation	WDR, BLC, HLC
Camera type	Dome
Compatible with	NVR, ABUS Link Station App, ABUS CMS
Compatible with ABUS Link Station	Yes
Compatible with Comfion	No
Compatible with Secoris	No
Compatible with Secvest	No
Compatible with wAppLoxx	No
Compatible with wAppLoxx Pro	No
Connections	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
Design	Dome
Diameter	155 mm

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Digital zoom	Yes
Dimensions	(H x D) 155 x 155 mm mm
Dynamic range (WDR)	130 dB
Electronic shutter	1/3 - 1/50000 s
Encryption	HTTPS, TLS 1.2
Focal length	2 x 4 mm
Frame rate	1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20 fps
Gross weight	1,9 kg
Height	155 mm
Horizontal viewing angle	180 °
Housing material	Metal
ICR day/night function	No
IP protection class	67
Image sensor	2 x 1/1,8" Progressive Scan CMOS
Installation type	Ceiling, Wall
LAN network access	RJ45 10M/100M self-adaptive
Length	155 mm
Lens	Fixed
Loudspeaker	Yes
Max. resolution @ frame rate	5120 x 1440 @ 20 fps
Microphone	Yes
Min. operating temperature	-30 °C
Minimum illumination (colour)	0,0005 lx
Motion detection	Yes
Net weight	1,1 kg
Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, SNMP
Noise reduction	3D DNR
ONVIF	Profile G, S, T
OSD language	DE, UK, FR, NL, DK, IT
Other functions	Object Classification Person/Vehicle
PSTI conformity given	Yes
PSTI conformity required	Yes
Pixels (effective)	5120(H) x 1440(V) pixel
PoE standard	IEEE 802.3af
Power consumption	900 mA
Private zones	No
Relay output	1

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Resolution	8 MP
Resolution modes	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
Storage medium	microSD card, 256 GB (opt.)
Supported browsers	MS Edge, IE11, Google Chrome
Technology	IP
Vertical viewing angle	44 °
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG
Video network bandwidth	32 kBit/s - 16 MBit/s
White balance	AWB, Manual
White-light LEDs	4
White-light range (up to)	30 m
Width	155 mm