IP Fisheye 12 MPx

ABUS
Security Tech Germany

ALL PERSONS COUNTED AND IN VIEW: WITH 360° ALL-ROUND VIEW, & HEATMAP ANALYSIS
360° or 180° panoramic monitoring
The compact, weatherproof 12-megapixel hemispheric outdoor IP dome camera offers a wide range of applications with its 360° field of vision. It is the ideal solution for a wide range of indoor and outdoor environments. Mounted on the ceiling, the camera monitors an entire room.

Flexible location
The fisheye outdoor camera captures the action from above. The heatmap function with people counting analyzes visitor flows or queues, for example, in retail stores, at events, etc. The integrated IR LEDs with a range of approx. 15 m ensure clear video images at night. Power over Ethernet (PoE) simplifies installation. Thanks to the integrated speaker and microphone, intercom (2-way audio) communication is possible via the camera's web interface and a PC microphone.

Flexible views - simple operation
Various views (image modes) can be set, including: 360° image, (double) panoramic image, with or without adjustable positions (ePTZ). Operation is simple via the web interface in a browser, including digital panning, tilting and zooming (ePTZ) with freely configurable tours. Depending on the settings, the images can be dewarped directly in the camera instead of in the PC. In this way, a greatly reduced amount of image data is transmitted and stored and the load on the network is reduced.

Technologies

- 360°/180° panoramic views with panomorph wide-angle lens
- 12-megapixel resolution (4000 x 3000 @ 20 fps) for clear, crisp images
- Heatmap for visualization and analysis of visitor flows, queues, etc., with automatic people counting (e.g. for monitoring access restrictions)

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- Digital zooming in on relevant image areas and automatic pan/tilt by means of freely configurable guard tours (ePTZ function)
- No. of live image modes, adjustable for different surveillance scenarios: 7 (hardware), 14 (software/in web browser)
- IR LEDs for clear images in the dark (range up to 15 m)
- Built-in microphone and loudspeaker for two-way communication via camera and app, recorder or PC software
- Weatherproof housing (IP67) with robust vandal protection (IK10) against mechanical tampering
- microSD card slot for internal data storage, encrypted for high data security (optional)
- Supports H.264, H.265, MJPEG (incl. dynamic GOP); power supply: 12 V DC & PoE (802.3af)

Technical data - IP Fisheye 12 MPx

Alarm input (NO/NC)	1
Alarm output	1
Alarming	Yes
Aperture at minimum illumination (colour)	1,2
Audio	Yes
Backlight compensation	DWDR
Camera type	Outdoor hemispheric
Colour	white
Compatible with ABUS Link Station	Yes
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
Control	ePTZ
DC voltage supply	12 (+/-25 %) V
Day/night switching	ICR/Color/B/W
Depth	44 mm
Design	Hemispheric
Diameter	164 mm
Digital zoom	ePTZ
Dimensions	164 x 164 x 44 mm
Electronic shutter	1 s - 1/100000 s
Encryption	HTTPS
Focal length	1,29 mm
Frame rate	20

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Functions	Heat map, Object direction analysis, Queue Management
Gross weight	1,3 kg
Height	44 mm
Horizontal viewing angle	180 °
Housing material	Metal
ICR day/night function	Yes
IP protection class	67
IR LEDs	Yes
IR range (up to)	15 m
Image enhancement	DWDR, BLC, HLC, 3D-DNR
Image sensor	1/1.7" Progressive Scan CMOS
Installation type	Wall/Ceiling
LAN network access	RJ45
Language of instructions	DE, UK, FR, NL, DK
Length	164 mm
Lens	Fixed
Loudspeaker	Yes
Max. humidity	85 %
Max. operating temperature	60 °C
Max. resolution @ frame rate	4000 x 3072 @ 20 fps
Microphone	Yes
Min. operating temperature	-40 °C
Minimum illumination (IR)	0 lx
Minimum illumination (colour)	0,015 lx
Motion detection	Yes
Net weight	0,75 kg
Network access	RJ45
Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, SNMP, IGMP, 802.1X, QoS, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP
Noise reduction	3D DNR
Number of IR LEDs	3
Number of streams	4
OSD language	DE, UK, FR, NL, DK
Other functions	Heat Map, Intersection analysis
Pan/tilt range	360°/80° (ePTZ)
Pixels (effective)	4000(H) x 3072(V) pixel
PoE standard	IEEE 802.3af
Power consumption	900 mA

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Private zones	4
Protection class IK	10
Resolution	12 MP
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)
Storage medium	microSD (256 GB)
Supported browsers	Chrome, MS Edge
Technology	IP
Vertical viewing angle	360 °
Video Content Analysis (VCA)	Tripwire, Intrusion Detection, Region Enter, Region Exit, Unattended baggage, Lost object (no Human/Car detection)
Video compression	H.264, MJPEG
Video network bandwidth	256 kBit/s - 16 MBit/s
Video system	IP
White balance	AWB
Width	164 mm