



## 360° or 180° panoramic monitoring

The compact, weatherproof 12megapixel hemispheric outdoor IP dome camera offers an uninterrupted 360° field of vision, opening up new potential applications. It is the ideal camera solution for a wide range of environments, both indoors and outdoors. When mounted on the ceiling, the camera gives the option of monitoring an entire room.

## Flexible installation

The camera is specially designed for outdoor use (within a temperature range of -30° to 60°) and can be used to monitor activity from above. The heat map function enables the analysis of pedestrian flows, e.g. in retail. The integrated IRs have a range of approximately 15metres, and boast clear video images - even at night. Power over Ethernet (PoE) facilitates the installation process and the loudspeaker and the integrated microphone enable two-way audio communication via the camera's web interface using a microphone linked up to a computer.

## Flexible views - simple operation

There are several image display options, including 360° image, panorama image, double-panorama image, 360° view with three freely configurable positions, as well as a panorama image with three freely configurable positions. The camera is easy to operate using the online interface: digital panning, tilting and zooming is incredibly easy to control, and the camera patrols are feely configurable.

Dewarping is carried out on the camera itself as opposed to the PC, so the volume of image data is drastically reduced before transmission and storage, thus reducing the load on the network.

In order to be able to use all 4 streams to their full extent, 4 free channels need to be available in an NVR or a software program.

## Technologies

# IP Fisheye 12 MPx

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- 360°/180° panoramic views with up to 12 MPx resolution
- 360°/180° panoramic views with up to 12 MPx resolution
- Freely configurable patrols (panning/tilting)
- Four live image modes for different monitoring scenarios

## Technical data - IP Fisheye 12 MPx

Alarm output	1
Alarming	Yes
Aperture at minimum illumination (colour)	1,2
Audio	Integrated: Microphone, Loudspeaker; Connectable: Microphone, Loudspeaker
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
Functions	Heat map, object direction analysis
Gross weight	1,3 kg
Height	44 mm
Horizontal viewing angle	180 °
Housing material	Metal

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## Technical data - IP Fisheye 12 MPx

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	Fix
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
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)

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## Technical data - IP Fisheye 12 MPx

Storage medium	microSD (256 GB)
Supported browsers	MS Edge with Internet-Explorer Mode
Technology	IP
Vertical viewing angle	360 °
Video compression	H.264, MJPEG
Video network bandwidth	256 kBit/s - 16 MBit/s
Video system	IP
White balance	AWB
Width	164 mm