

Outdoor IP Dome IR 3MPx

Art. no. IPCA73500

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- 3 megapixel resolution: 2048 x 1536 @ 25 fps
- 2.8–12.0 mm motorised zoom lens with automatic focussing
- Day & night camera with integrated IR LEDs (30 m)
- True WDR function to compensate for high image contrasts (120 dB)
- Integrated video content analysis (VCA) (e.g. tripwire detection, intrusion detection, object counting)
- Integrated microSD card slot for edge recording
- Integrated ROI function that saves on bandwidth and storage space
- Automatic backup recording to ensure uninterrupted recording
- Weatherproof housing that is protected against vandalism with IP66/IK10 protection class

This 3megapixel IP dome is designed to take on challenging monitoring applications. Its resolution of 2048x1536 pixels (3MPx) allows it to cover vast areas, while the motorised zoom lens enables versatile monitoring and exceptional flexibility in selecting an installation location.

Detailed monitoring of moving objects

The camera provides 3megapixel video streams at 25 up to a maximum of 45fps. Its outstanding resolution and recording performance and high frame rate guarantee sharp, fluid real time recordings – including of scenes containing movement.

24/7 robust outdoor surveillance in HD

The weatherproof IP66 housing with IK10 shock resistance provides optimum protection against tampering and vandalism. Integrated IR LEDs provide excellent images both during the day and at night. Plus, cutting-edge motion detection and backlight compensation functionalities are integrated – ideal for handling glare in entrance areas or monitoring access roads.

Unbeatable overview and freely controllable angle of view

The autofocus motorised zoom lens can be adjusted to the desired angle of view at the touch of a button. Its focal length of between 2.8 and 12mm covers a range of between 30° and 95° (4.2x optical zoom).

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Decentralised video content analysis (VCA) – in the camera itself

The dome offers VCA functions such as tripwires, intrusion detection and face detection, all without the need for any VMS software. This saves on bandwidth, hard disk space and additional costs, while also making the evaluation of recordings faster.

Easy set-up – innovative user management

The practical installation wizard ensures quick and easy set-up. Innovative user management also facilitates user authorisation configuration that is tailored to your individual security needs.

The effective IR range will depend on the installation location. If there are surfaces that absorb light or no objects that reflect IR light in the field of view, the IR range will be reduced and/or the video image will be too dark. Reflective objects in the immediate vicinity of the camera (e.g. roof gutter or wall) may also result in the reflection of IR light, which can disturb the image.

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Technical Data:

IK protection class	10
ONVIF	Profile S
Image enhancement	True WDR, BLC, HLC, Vertical Display, Defog, 50 fps, Region of Interest
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Face Detection, Object Counting
Other features	Auto Backup Recording
Dimensions	LxWxH (235x235x210) mm
Alarming	E-Mail, NAS, FTP, Relais
Connections	1 x RJ45, 1 x DC, 1 x video output, 1 x audio output, 1 x audio input, 1 x alarm input, 1 x alarm output
Number of users	10
Number of streams	3
Audio	2-Way Audio (over Browser)
Resolution modes	2048 x 1536, 1920 x 1080, 1280 x 720, 704 x 576, 320 x 240 pixel
Motion detection	1
Image sensor	1/2.8" Sony Exmor R™ STARVIS™ CMOS
Pixels (effective)	2048 x 1536 pixel
Frame rate	25 / 45 (2048x1536) / 60 (1920x1080, WDR off)
Width	235 mm
Focal length	2,8 – 12,0 mm
Gross weight	1,95 kg
Dynamic range (WDR)	120 dB
Electronic shutter	1 – 1/100,000 s
Functions	Scene Change Detection, Cover Detection, Defocus Detection, IPC Hot Spare
Backlight compensation	True WDR, BLC, HLC
Height	210 mm
Horizontal angle of view	30,5 – 94,5 °
IR range (up to)	30 m

Compatible with	ABUS VMS (no VCA functions), ABUS NVR (from V3.3.4), Hybrid DVR (from V3.3.4)
Length	235 mm
Power consumption	17 W
Max. resolution @ frame rate	2048 x 1536 @ 45 fps
Max. operating temperature	60 °C
Max. humidity	95 %
Min. operating temperature	-30 °C
Minimum illumination (color)	0,007 lx
Minimum illumination (IR)	0 lx
Video network bandwidth	32 kBit/s – 16 MBit/s
Network access	RJ45
LAN network access	RJ45
Network camera protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, ABUS Server, NTP, RTSP, DHCP, ONVIF, SNMP, QoS, 802.1X, PSIA
Lens	Motor-Zoom
Optical zoom	4,2 x
PoE	IEEE 802.3af
Private zones	4
Noise reduction	3D-DNR, 2D-DNR
IP protection class	66
AC voltage supply	24 (+/-10 %) V
DC voltage supply	12 (+/-10 %) V
Storage medium	microSD card, 128 GB (option)
Power consumption	1.000 mA
Day/night switching	Electromechanically removable IR cut filter (ICR), colour/B&W
Supported browsers	IE10, IE11, Firefox
Encryption	HTTPS
Video compression	H.264, MJPEG

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Technical Data:

Video system	IP
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White balance	AWB, manual
Certifications	CE, CTick, RoHS, Reach