

Indoor IP Dome IR 3 MPx

Art. no. IPCA33500

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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)
- Vertical display mode for effective hallway surveillance
- Integrated microSD card slot for edge recording
- Integrated ROI function that saves on bandwidth and storage space
- Automatic backup recording to ensure uninterrupted recording
- Discreet monitoring thanks to optional ceiling mount

This 3 megapixel indoor 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 3 megapixel video streams at 25fps. Its outstanding resolution and high frame rate deliver sharp, fluid real time recordings – including of scenes containing movement.

24/7 robust indoor surveillance in HD

With IK10 shock resistance, the housing protects 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.

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 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.

Suitable accessories:

A ceiling mount frame (TVAC31440) is available for the installation, while a tinted dome (TVAC31091) is available for extra protection.

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	IR range (up to)	30 m
ONVIF	Profile S	Compatible with	ABUS VMS (no VCA functions), ABUS NVR (from V3.3.4), Hybrid DVR (from V3.3.4)
Image enhancement	True WDR, BLC, HLC, 3D DNR, 2D DNR, AWB, Vertical Display, Defog, 50 fps, Region of Interest	Length	245 mm
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Face Detection, Object Counting	Power consumption	9 W
Other features	Auto Backup Recording	Max. resolution @ frame rate	2048 x 1536 @ 45 fps
Dimensions	LxWxH (245x175x175) mm	Max. operating temperature	60 °C
Alarming	E-Mail, NAS, FTP, Relais	Max. humidity	95 %
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	Min. operating temperature	-30 °C
Number of users	10	Minimum illumination (color)	0,007 lx
Number of streams	3	Minimum illumination (IR)	0 lx
Audio	2-Way Audio (over Browser, CMS)	Video network bandwidth	32 kBit/s – 16 MBit/s
Resolution modes	2048 x 1536, 1920 x 1080, 1280 x 720, 704 x 576, 320 x 240 pixel	Network access	RJ45
Motion detection	Yes	LAN network access	RJ45
Image sensor	1/2.8" Sony Exmor R™ STARVIS™ CMOS	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
Pixels (effective)	2048 x 1536 pixel	Lens	Motor-Zoom
Frame rate	25 / 45 (2048x1536) / 60 (1920x1080, WDR off) fps	Optical zoom	4,2 x
Width	175 mm	PoE	IEEE 802.3af
Focal length	2,8 – 12,0 mm	Private zones	4
Gross weight	1,5 kg	Noise reduction	3D-DNR, 2D-DNR
Dynamic range (WDR)	120 dB	IP protection class	24
Electronic shutter	1 – 1/100,000 s	DC voltage supply	12 (+/-10 %) V
Functions	Scene Change Detection, Cover Detection, Defocus Detection, IPC Hot Spare	Storage medium	microSD card, 128 GB (option)
Backlight compensation	True WDR, BLC, HLC	Power consumption	750 mA
Height	175 mm	Day/night switching	Electromechanically removable IR cut filter (ICR), colour/B&W
Horizontal angle of view	30,5 – 94,5 °	Supported browsers	IE10, IE11, Firefox
IR LEDs	48	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