IP Tube 4 MPx (4 mm, IR/WL)

Art.-Nr. IPCA64512B



DARK NIGHT: CLEAR DETAILS FROM A DISTANCE

This IP Tube is a LAN camera with 4 MPx resolution and full colour day/night function. With its white-light LEDs in IP67 housing, it is designed for indoor/outdoor use by day and night. Mobile access to the camera via ABUS Link Station app.

Top surveillance: powerful in the dark

The infrared LEDs enable detailed black/white night vision. Intelligent object detection can be used to switch to colour night vision when an event occurs. The Gecko series delivers clear colour images in total darkness thanks to full colour day/night technology - rich in detail for conclusive evidence. The slightest residual light is effectively amplified by the special lens and the extra light-sensitive image sensor. The white-light LEDs provide finely dosed extra light for the image sensor.

2 variants for maximum flexibility

The camera is available with 2 focal lengths: 2.8 mm / 104° field of view (IPCA64512A) and 4 mm / 89° (IPCA64512B).

Autom. Object recognition

The security camera distinguishes relevant movements (people, vehicles) from disturbances (branches, light, etc.) - and thus minimises unnecessary motion alarms.

Recording and compatibility

Recordings are made on ABUS NVR, VMS/software or microSD card. The camera is compatible with ABUS Secvest, Secoris and WLX Pro.

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Quick start-up

Mounting with cable protected by installation box. The ABUS IP Installer software makes network setup easier.

Notes: Without power supply unit, because power is supplied by PoE.
The effective LED range varies depending on the location.

Technologies

- 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images
- 4 mm fixed lens for a good overview (89° viewing angle)
- Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor
- Field of view is illuminated by white-light LEDs (up to 60 m range) for accurate colour images in total darkness (e.g. indoors); finely metered lighting for the light-sensitive image sensor
- Integrated infrared LEDs for detailed black/white night vision and intelligent switching between IR and colour night vision (Gecko)
- Intelligent object recognition (human & vehicle): Video content analysis with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
- Robust, weatherproof housing (IP67), colour: white
- Supports H.264, H.265, MJPEG (incl. Dynamic GOP)
- microSD card slot for internal data storage, encrypted for high data security (optional)
- 12 V DC & PoE (802.3af)

Technical data - IP Tube 4 MPx (4 mm, IR/WL)

Additional functions	White light range up to 30 m
Alarming	Email, NAS, FTP, App Push
Aperture at minimum illumination (colour)	F1.0
Backlight compensation	WDR, BLC, HLC
Battery - GRS type	ML414H-IV01E
Camera type	Tube
Colour	white
Compatible with	ABUS NVR/DVR, ABUS Link Station App, ABUS CMS
Compatible with ABUS Link Station	Yes
Compatible with Comfion	Yes
Compatible with Secoris	Yes
Compatible with Secvest	Yes
Compatible with wAppLoxx	Yes

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Compatible with wAppLoxx Pro	Yes
Connections	1 x RJ45, 1 x DC
DC voltage supply	12 (+/-25 %) V
Day/night switching	ICR/colour/S/W, VCA-controlled between IR and white light
Design	Tube
Digital zoom	Yes
Dimensions	(LxWxH) 277x94x87 mm
Dynamic range (WDR)	120 dB
Electronic shutter	1/12 - 1/100000 s
Encryption	HTTPS, TLS 1.1/1.2/1.3
Focal length	4 mm
Frame rate	1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25 fps
Functions	Sabotage monitoring, region of interest
Gross weight	1,56 kg
Height	87 mm
Horizontal viewing angle	89 °
Housing material	Metal
ICR day/night function	Yes
IP protection class	67
IR LEDs	Yes
IR range (up to)	60 m
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart Event mode)
Image integration	No
Image sensor	1/1.8" Progressive Scan CMOS
LAN network access	RJ45 10M/100M self-adaptive
Language of instructions	DE, UK, FR, NL, DK, IT
Length	277 mm
Lens	Fix
Loudspeaker	No
Max. humidity	95 %
Max. operating temperature	60 °C
Max. resolution @ frame rate	2688 x 1520 @ 25 fps
Microphone	No
Min. operating temperature	-30 °C
Minimum illumination (IR)	0 lx
Minimum illumination (colour)	0,0005 lx
Motion detection	max. 4 zones (with object detection), max. 8 zones (without object detection)

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Net weight	1,07 kg
Network camera protocols	IPv4/v6, HTTP, HTTPS, FTP, SMTP, UPnP, DNS, DynDNS, NTP, RTSP, TCP, UDP, DHCP, ABUS Server, P2P, QoS, 802.1X, IGMP, Bonjour, PPPoE, SNMP
Noise reduction	3D DNR
Number of IR LEDs	2
Number of streams	3
Number of users	32
OSD language	DE, UK, FR, NL, DK, IT
Other functions	Object recognition person/vehicle
PSTI conformity given	Yes
PSTI conformity required	Yes
Pixels (effective)	2688(H) x 1520(V) pixel
PoE standard	IEEE 802.3af
Power consumption	750 mA
Private zones	4
Product security updates at least until	2026-09-01
Resolution	4 MP
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps (only with VCA off)
Storage medium	Optional microSD card (max. 512 GB)
Supported browsers	Google Chrome, MS Edge, Mozilla Firefox, IE11
Technology	IP
Vertical viewing angle	45 °
Video Content Analysis (VCA)	Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area exit
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
Video network bandwidth	32 kBit/s - 8 MBit/s
Video system	IP
White balance	AWB, manual
White-light LEDs	2
White-light range (up to)	60 m
Width	94 mm

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