IP Tube 4 MPx (4 mm, WL)

DARK NIGHT: CLEAR DETAILS AT 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: strong in the dark
Clear colour images in total darkness thanks to full-colour day/night technology - rich in detail for solid evidence. The slightest residual light is effectively amplified by the special lens and the extra light-sensitive image sensor. The white light LEDs provide a touch of extra light for the image sensor even at long distances, barely visible to the eye.

2 variants for max. flexibility
The camera is available with 2 focal lengths: 2.8 mm / 108° field of view (IPCS64511A) and 4 mm / 95° (IPCS64511B).

Autom. Object recognition
The security camera distinguishes relevant movements (people, vehicles) from interferences (branches, light, etc.) - and minimises unnecessary motion alarms.

Recording and compatibility
Recording is done on ABUS NVR, VMS/software or microSD card. The camera is compatible with ABUS Secvest, Secoris and WLX Pro.

Quick start-up
Mounting with protected cable via installation box (TVAC32600). The ABUS IP Installer software simplifies the setup in the network.

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

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Technologies

- 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images
- 4 mm fixed-focus lens for further distances (95° angle of view)
- Detailed, highly usable colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and very light-sensitive image sensor
- Discreet illumination of the field of view with white-light LEDs (up to 50 m range) for accurate colour images in total darkness (e.g. indoors); touch of illumination for the light-sensitive image sensor (barely visible to the human eye)
- Object recognition (human & vehicle): Video content analysis with fully automatic differentiation between people/vehicles and interferences (branches, light, etc.)
- Optional output of 3 video streams in ideal resolution for, e.g., live image, recording, mobile access, etc.
- Sturdy, weatherproof housing (IP67)
- 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, WL)

Additional functions	White light range up to 50 m
Alarming	E-Mail, NAS, FTP
Aperture at minimum illumination (colour)	F1.0
Backlight compensation	WDR, BLC, HLC
Camera type	Tube
Compatible with	ABUS NVR/DVR, ABUS Link Station App, Synology Surveillance Station 6.0.1+
Compatible with ABUS Link Station	Yes
Compatible with Comfion	Yes
Compatible with Secoris	Yes
Compatible with Secvest	Yes
Compatible with wAppLoxx	Yes
Compatible with wAppLoxx Pro	Yes
Connections	1 x RJ45, 1 x DC
DC voltage supply	12 (+/-25 %) V
Design	Tube
Digital zoom	Yes
Dimensions	(LxWxH) 282x105x105 mm
Dynamic range (WDR)	120 dB
Electronic shutter	1/3 - 1/100000 s

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Encryption	HTTPS, TLS 1.1/1.2
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, 30 fps
Functions	Scene Change Detection, Region of Interest
Gross weight	1,2 kg
Height	105 mm
Horizontal viewing angle	95 °
Housing material	Metal
IP protection class	67
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)
Image integration	Yes
Image sensor	1/1.8" Progressive Scan CMOS
Installation type	Ceiling, Wall
LAN network access	RJ45 10M/100M self-adaptive
Language of instructions	DE, UK, FR, NL, DK
Length	282 mm
Lens	Fix
Max. humidity	95 %
Max. operating temperature	60 °C
Max. resolution @ frame rate	2688 x 1520 @ 30 fps
Microphone	No
Min. operating temperature	-25 °C
Minimum illumination (colour)	0,0005 lx
Motion detection	8 zones
Net weight	1 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 streams	3
Number of users	32
OSD language	DE, UK, FR, NL, DK, IT
Other functions	Object Classification Person/Vehicle
Pixels (effective)	2688(H) x 1520(V) pixel
PoE standard	IEEE 802.3af
Power consumption	600 mA
Private zones	4
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

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Storage medium	microSD card, 256 GB (opt.)
Supported browsers	IE11, Mozilla Firefox, Google Chrome, MS Edge
Technology	IP
Vertical viewing angle	49 °
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region 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
White balance	AWB, Manual
White-light LEDs	2
White-light range (up to)	50 m
Width	105 mm