IP Tube 4 MPx Black (2.8 - 12mm)

STRONG OUTSIDE: IN ANY LIGHT. AGAINST MANIPULATION.
With 4 MPx resolution, weatherproof IP67 housing in black (ABUS Black Line), IK10 vandal protection and powerful IR LEDs, the IP Tube is the surveillance camera for 24/7 outdoor surveillance day and night. WDR dynamics and Ultra Low-Light ensure clear images in any light.

Best, flexible surveillance in 4 MPx
The motorised zoom lens with 2.8-12 mm focal length covers a range of 30-108° (4.2x optical). Focal length and focus are precisely adjusted via the web interface, and the viewing direction is easily fixed with a single screw.

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

Recording and compatibility
Recordings are made on ABUS recorders, video management software or local microSD card. The camera is compatible with ABUS Secvest, Secoris and WLX Pro Plus.

Convenient start-up
The installation box (TVAC32600X) is used for mounting (ceiling, wall) with protected cabling. The free ABUS IP Installer software makes setup easier.

ABUS Link Station app: Live Image & Push
For mobile access for live viewing, playback and push notifications for events, incl. IPv6.

Notes: Power supply unit not included, as power is supplied via PoE.

The effective IR range will vary depending on the installation location.

Technologies

- 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images
- 2.8 - 12 mm motorised zoom lens (4x optical zoom, 30°-108° viewing angle) for high flexibility in surveillance and choice of installation location, incl. easy setup of focal length, focus and viewing direction
- Ultra low-light performance for excellent image results in poorly lit environments
- 120 dB WDR function to compensate for image contrasts, strong backlighting etc.
- Object recognition (human & vehicle): Motion detection with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
- Very robust, vandalism- and weather-proof housing (IK10 & IP67); colour: black
- IR LEDs for very clear images in the dark (up to 60 m range)
- Supports H.264, H.265, MJPEG (incl. Dynamic GOP)
- MicroSD card slot for internal data storage
- 12 V DC & PoE (802.3at)

Technical data - IP Tube 4 MPx Black (2.8 - 12mm)

Alarm input (NO/NC)	1
Alarm output	1
Alarming	E-Mail, NAS, FTP, Sound
Audio	Connectable: Microphone, Loudspeaker
Backlight compensation	WDR, BLC, HLC
Camera type	Tube
Colour	Black
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, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output (Cable length 160 mm)
DC voltage supply	12 (+/-25 %) V
Day/night switching	ICR/Color/B/W
Design	Tube
Digital zoom	Yes

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Dimensions	(LxWxH) 298x105x105 mm
Dynamic range (WDR)	120 dB
Electronic shutter	1/3 - 1/100000 s
Encryption	HTTPS, TLS 1.1/1.2
Focal length	2,8 – 12,0 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	2,1 kg
Height	105 mm
Horizontal viewing angle	30 – 108 °
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 sensor	1/2.7" Progressive Scan CMOS
Installation type	Ceiling, Wall
LAN network access	RJ45 10M/100M self-adaptive
Language of instructions	DE, UK, FR, NL, DK
Length	298 mm
Lens	Motor-Zoom
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 (IR)	0 lx
Minimum illumination (colour)	0,003 lx
Motion detection	8 zones
Net weight	1,4 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	4
Number of streams	3
Number of users	32
ONVIF	Profile G, S, T

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OSD language	DE, UK, FR, NL, DK, IT
Optical zoom	4,2 x
Other functions	Object Classification Person/Vehicle
Pixels (effective)	2688(H) x 1520(V) pixel
PoE standard	IEEE 802.3at
Power consumption	1.350 mA
Private zones	4
Protection class IK	10
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
Storage medium	microSD card, 256 GB (opt.)
Supported browsers	IE11, Mozilla Firefox, Google Chrome, MS Edge
Technology	IP
Vertical viewing angle	17 – 56 °
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
Width	105 mm