

# IP Tube 4 MPx Black (2.8 - 12 mm)

Art.-Nr. IPCB64620

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The IP Tube provides video streams in 4 MPx resolution with up to 30 fps. The dust- and water-resistant IP67 housing is well suited for outdoor use. Due to integrated IR LEDs with a range of up to 50m, the camera can be used day and night. Access to the camera is possible at any time via app.

## Best overview

The motor zoom lens with a focal length of 2.8 - 12 mm provides a horizontal viewing angle of 32°-114 °. Focal length and focusing can be adjusted conveniently and precisely remote via the web interface.

## Recording and compatibility

The recording can be done either on an ABUS recorder, 3rd party video management software or locally on a microSD card. Furthermore, the camera is compatible with the ABUS Secvest alarm center and the ABUS access control system wAppLoxx.

## Comfortable installation

The IP tube is mounted on the ceiling or optionally on the wall. We recommend the ABUS installation box (TVAC31460X), which allows a protected cabling to wall or ceilings. The free "ABUS IP Installer" software is available for simple setup in the network. The software finds the camera quickly and easily within the network and supports during the installation process.

Note: The camera does not come with a power supply, as it can be powered via PoE.

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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## Technologies

- 4 MPx Resolution: 2.688 x 1.520 @ 30 fps
- 2.8 - 12 mm motor zoom lens
- Ultra low-light performance for excellent results in low-light environments
- 120 dB WDR function to compensate for image contrasts
- Vandalism and weather protected housing (IK10 & IP67)
- IR LEDs (range up to 50m)
- Supports H.264, H.265, MJPEG (incl. dynamic GOP)
- microSD card slot for internal data storage
- 12 V DC & PoE (802.3at)
- colour black

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

Alarm input (NO/NC)	1
Alarm output	1
Alarming	E-Mail, NAS, FTP
Aperture at minimum illumination (IR)	0 lx
Aperture at minimum illumination (colour)	F1.4
Audio	2-Way Audio
Backlight compensation	WDR, BLC, HLC
Camera type	Tube
Colour	RAL9011
Compatible with ABUS Link Station	Yes
Compatible with Secvest	Yes
Compatible with wAppLoxx	Yes
Compatible with wAppLoxx Pro	Yes
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
DC voltage supply	12 (+/-10 %) V
Day/night switching	ICR/Farbe/S/W
Design	Tube
Dimensions	390x160x160 mm mm
Dynamic range (WDR)	120dB dB
Encryption	HTTPS
Focal length	2,8 – 12,0 mm mm

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## Technical data - IP Tube 4 MPx Black (2.8 - 12 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
Height	160 mm
Horizontal viewing angle	32 – 114 °
ICR day/night function	Yes
IP protection class	67
IR LEDs	Yes
IR range (up to)	50 m
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display
Image sensor	1/2.5" Progressive Scan CMOS
LAN network access	RJ45 10M/100M self-adaptive
Language of instructions	DE, UK, FR, NL, DK
Length	390 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	-30 °C
Minimum illumination (IR)	0,1 lx
Minimum illumination (colour)	0,008 lx
Motion detection	8 zones
Net weight	1,2 kg
Network access	RJ45
Noise reduction	3D DNR
Number of IR LEDs	4
Number of streams	3
Number of users	32
OSD language	DE, UK, FR, NL, DK
Optical zoom	4,2 x
Other functions	Auto Backup Recording, Secvest Connectivity
Pixels (effective)	2688(H) x 1520(V) Pixel pixel
Pixels (total)	1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25, 30 fps pixel
PoE standard	IEEE 802.3at
Power consumption	1.200 mA
Private zones	4
Protection class IK	10
Resolution	4 MP

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Resolution modes	Stream 1: 2.688 x 1.520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1.280 x 720 @ 25 fps
Simultaneous network access	6
Supported browsers	IE10, IE11, Mozilla Firefox 30.0+, Chrome 31.0+
Technology	IP
Vertical viewing angle	18 – 59 °
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection
Video compression	Stream 1: H.264, H.265, Dynamic GOP, Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265, MJPEG
Video network bandwidth	32 kBit/s - 16 MBit/s
Video system	IP
White balance	AWB, Manuell
Width	160 mm