

# IP Tube 4 MPx (2.8 mm, WL)

Art. no. IPCS64511A

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- 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images
- 2.8 mm fixed-focus lens for a good overview (108° field 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)

**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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## Technical Data:

Installation	Ceiling, Wall	Aperture at minimum illumination (color)	F1.0
Additional functions	White light range up to 50 m	Width	105 mm
Image enhancement	WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)	Focal length	2,8 mm
Video Content Analysis (VCA)	Tripwire Detection, Intrusion Detection, Region Entrance, Region Exit	Gross weight	1,2 kg
Compatible with Secoris	Yes	Digital zoom	Yes
White light LEDs (up to)	50 m	Dynamic range (WDR)	120 dB
Technology	IP	Electronic shutter	1/3 - 1/100000 s
Design	Tube	Functions	Scene Change Detection, Region of Interest
Compatible with Secvest	Yes	Backlight compensation	WDR, BLC, HLC
Compatible with wAppLoxx	Yes	Housing material	Metal
Vertical angle of view	55 °	Height	105 mm
Other features	Object Classification Person/Vehicle	Horizontal angle of view	108 °
Compatible with wAppLoxx Pro	Yes	Camera type	Tube
Compatible with ABUS Link Station	Yes	Compatible with	ABUS NVR/DVR, ABUS Link Station App, Synology Surveillance Station 6.0.1+
Dimensions	(LxWxH) 282x105x105 mm	Length	282 mm
Alarming	E-Mail, NAS, FTP	Power consumption	7 W
Connections	1 x RJ45, 1 x DC	Max. resolution @ frame rate	2688 x 1520 @ 30 fps
Number of users	32	Max. operating temperature	60 °C
Number of streams	3	Max. humidity	95 %
Resolution	4 MP	Microphone	No
Resolution modes	Stream 1: 2688 x 1520 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1920 x 1080 @ 10 fps	Min. operating temperature	-25 °C
Motion detection	8 zones	Minimum illumination (color)	0,0005 lx
Image sensor	1/1.8" Progressive Scan CMOS	Net weight	1 kg
Pixels (effective)	2688(H) x 1520(V) pixel	Video network bandwidth	32 kBit/s - 8 MBit/s
Image integration	Yes	LAN network access	RJ45 10M/100M self-adaptive
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	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
		Lens	Fix

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**Technical Data:**

PoE Standard	IEEE 802.3af
Private zones	4
Noise reduction	3D DNR
IP protection class	67
DC voltage supply	12 (+/-25 %) V
Storage medium	microSD card, 256 GB (opt.)
Language of instructions	DE, UK, FR, NL, DK
OSD language	DE, UK, FR, NL, DK, IT

Power consumption	600 mA
Supported browsers	IE11, Mozilla Firefox, Google Chrome, MS Edge
Encryption	HTTPS, TLS 1.1/1.2
Video compression	Stream 1: H.264, H.265, Dynamic GOP (+), Stream 2: H.264, H.265, MJPEG, Stream 3: H.264, H.265
White balance	AWB, Manual
White light LEDs	2 C62