

# IP Tube 4 MPx (2.8–12 mm)

Art.-Nr. IPCB64521

Seite 1 von 4



## STRONG OUTSIDE: IN ANY LIGHT. AGAINST MANIPULATION

With 4 MPx resolution, weatherproof IP67 housing, 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 conveniently and precisely adjusted via the web interface, and the viewing direction is quickly set by means of 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 an ABUS recorder, on 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 (TVAC32600) is used for mounting on the ceiling or 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. IPv6 compatible.

Notes: No power supply unit is included, as power is supplied via PoE.

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

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Art.-Nr. IPCB64521

Seite 2 von 4

## 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)
- 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 (2.8–12 mm)

|                                   |  |
|-----------------------------------|--|
| 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   |
| 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  |
| Dimensions                        | (LxWxH) 298x105x105 mm   |
| Dynamic range (WDR)               | 120 dB   |
| Electronic shutter                | 1/3 - 1/100000 s   |

# IP Tube 4 MPx (2.8–12 mm)

Art.-Nr. IPCB64521

Seite 3 von 4

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

|                               |  |
|-------------------------------|--|
| 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                          | Motorised 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  |
| OSD language                  | DE, UK, FR, NL, DK, IT   |
| Optical zoom                  | 4,2 x  |
| Other functions               | Object classificaiton human/vehicle  |

# IP Tube 4 MPx (2.8–12 mm)

Art.-Nr. IPCB64521

Seite 4 von 4

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

|                              |  |
|------------------------------|--|
| 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   |