

# IP Tube 4 MPx (4 mm, WL)

Art.-Nr. IPCS64511B

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## 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

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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   |
| Alarm generation                         | E-Mail, NAS, FTP   |
| Aperture at minimum illumination (color) | F1.0   |
| Application purpose                      | General surveillance   |
| Article program                          | Professional   |
| Backlight compensation                   | WDR, BLC, HLC  |
| Camera type                              | Tube   |
| Colour                                   | white  |
| 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   |
| Construction type of device              | Tube   |
| Current consumption                      | 600 mA   |
| DC power supply                          | 12 (+/-25 %) V   |
| Depth                                    | 282 mm   |
| Digital zoom                             | Yes  |
| Dimensions                               | (LxWxH) 282x105x105 mm   |
| Dynamic range (WDR)                      | 120 dB   |
| Electronic shutter                       | 1/3 - 1/100000 s   |
| 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 |
| Gross weight                             | 1.2 kg   |
| Height                                   | 105 mm   |

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## Technical data - IP Tube 4 MPx (4 mm, WL)

|                              |  |
|------------------------------|--|
| Horizontal viewing angle     | 95 °   |
| Housing material             | Metal  |
| IR LEDs                      | No   |
| Image integration            | Yes  |
| Image optimization           | WDR, BLC, HLC, 3D DNR, Vertical Display (not in Smart-Event mode)  |
| Image sensor                 | 1/1.8" Progressive Scan CMOS   |
| Language Manual              | DE, UK, FR, NL, DK   |
| Language OSD                 | DE, UK, FR, NL, DK, IT   |
| Length                       | 282 mm   |
| Lens                         | Fixed  |
| Max. Air 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 (color) | 0.0005 lx  |
| Motion detection             | 8 zones  |
| Net weight                   | 1.05 kg  |
| Network bandwidth Video      | 32 kBit/s - 8 MBit/s   |
| 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 |
| Network connection LAN       | RJ45 10M/100M self-adaptive  |
| Noise suppression            | 3D DNR   |
| Number of streams            | 3  |
| Number of users              | 32   |
| Other functions              | Object Classification Person/Vehicle   |
| PSTI conformity given        | Yes  |
| PSTI conformity needed       | Yes  |
| Pixels (effective)           | 2688(H) x 1520(V)  |
| PoE Standard                 | IEEE 802.3af   |
| Power consumption            | 7 W  |
| Privacy zones                | 4  |
| Product group                | Camera   |
| Protection class IP          | 67   |
| Radio functions              | Scene Change Detection, Region of Interest   |
| Radio networked              | No   |
| 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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## Technical data - IP Tube 4 MPx (4 mm, WL)

|                                |  |
|--------------------------------|--|
| Storage medium                 | microSD card, 256 GB (opt.)  |
| Supported browsers             | IE11, Mozilla Firefox, Google Chrome, MS Edge  |
| Vertical angle of view         | 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 motion detector included | Yes  |
| WEEE group                     | 09   |
| White balance                  | AWB, Manual  |
| White light LEDs               | 2 St.  |
| White light range (up to)      | 50 m   |
| width                          | 105 mm   |