

# IP Dome 8 MPx (2.8 - 12mm)

Art.-Nr. IPCB78521

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## BRILLIANT OUTSIDE: IN ANY LIGHT. AGAINST MANIPULATION.

With 8 MPx (4K) resolution, weatherproof IP67 housing, IK10 vandal protection and powerful IR LEDs, the IP dome 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 4K Ultra HD

The motorised zoom lens with 2.8-12 mm focal length covers a range of 46-108° (4.2x optical). Focal length and focus are precisely adjusted via the web interface.

## 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 microSD card. The camera is compatible with ABUS Secvest, Secoris and WLX Pro Plus.

## Convenient start-up

Suitable for mounting on ceiling or wall, with protected wiring and for discreet ceiling installation (with installation box/holder). 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.

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

## Technologies

- 8 MPx (4K) resolution: 3,840 x 2,160 @ 20 fps for accurate, detailed surveillance of large areas and grounds
- 2.8 - 12 mm motorised zoom lens (4x optical zoom, 46°-108° viewing angle) for high flexibility in surveillance and choice of installation location
- 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), in a discreet look with black covered components in the dome
- IR LEDs for very clear images in the dark (up to 40 m range)
- Supports H.264, H.265, MJPEG (incl. Dynamic GOP)
- MicroSD card slot for internal data storage
- 12 V DC & PoE (802.3af)

## Technical data - IP Dome 8 MPx (2.8 - 12mm)

|                                          |                                                                                        |
|------------------------------------------|----------------------------------------------------------------------------------------|
| Alarm generation                         | E-Mail, NAS, FTP, Sound                                                                |
| Alarm input (NO/NC)                      | 1                                                                                      |
| Alarm output                             | 1                                                                                      |
| Aperture at minimum illumination (color) | F1.4                                                                                   |
| Application purpose                      | General surveillance                                                                   |
| Article program                          | Professional                                                                           |
| Audio                                    | Connectable: Microphone, Loudspeaker                                                   |
| Backlight compensation                   | WDR, BLC, HLC                                                                          |
| Camera type                              | Dome                                                                                   |
| 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, 1 x Alarm input, 1 x Alarm output, 1 x Audio input, 1 x Audio output |
| Construction type of device              | Dome                                                                                   |

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## Technical data - IP Dome 8 MPx (2.8 - 12mm)

|                              |                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Current consumption          | 1,100 mA                                                                                                                                 |
| DC power supply              | 12 (+/-25 %) V                                                                                                                           |
| Day/night switching          | ICR/Color/B/W                                                                                                                            |
| Diameter                     | 154 mm                                                                                                                                   |
| Digital zoom                 | Yes                                                                                                                                      |
| Dimensions                   | (LxWxH) 154x154x112 mm                                                                                                                   |
| Dynamic range (WDR)          | 120 dB                                                                                                                                   |
| Electronic shutter           | 1/3 - 1/1000000 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                                                               |
| Gross weight                 | 1.5 kg                                                                                                                                   |
| Height                       | 112 mm                                                                                                                                   |
| Horizontal viewing angle     | 45 – 108 °                                                                                                                               |
| Housing material             | Metal                                                                                                                                    |
| ICR day/night function       | Yes                                                                                                                                      |
| IR LEDs                      | Yes                                                                                                                                      |
| IR range (up to)             | 40 m                                                                                                                                     |
| Image optimization           | WDR, BLC, HLC, 3D DNR                                                                                                                    |
| Image sensor                 | 1/1.8" Progressive Scan CMOS                                                                                                             |
| Language Manual              | DE, UK, FR, NL, DK                                                                                                                       |
| Language OSD                 | DE, UK, FR, NL, DK, IT                                                                                                                   |
| Length                       | 154 mm                                                                                                                                   |
| Lens                         | Motor-Zoom                                                                                                                               |
| Max. Air humidity            | 95 %                                                                                                                                     |
| Max. Operating temperature   | 60 °C                                                                                                                                    |
| Max. Resolution @ frame rate | 3840 x 2160 @ 30 fps                                                                                                                     |
| Microphone                   | No                                                                                                                                       |
| Min. operating temperature   | -25 °C                                                                                                                                   |
| Minimum illumination (IR)    | 0 lx                                                                                                                                     |
| Minimum illumination (color) | 0.003 lx                                                                                                                                 |
| Motion detection             | 8 zones                                                                                                                                  |
| Net weight                   | 0.88 kg                                                                                                                                  |
| Network bandwidth Video      | 32 kBit/s - 16 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 IR LEDs            | 2                                                                                                                                        |

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## Technical data - IP Dome 8 MPx (2.8 - 12mm)

|                                |                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------|
| Number of streams              | 3                                                                                              |
| Number of users                | 32                                                                                             |
| ONVIF                          | Profile G, S, T                                                                                |
| Optical zoom                   | 4,2 x                                                                                          |
| Other functions                | Object Classification Person/Vehicle                                                           |
| PSTI conformity given          | Yes                                                                                            |
| PSTI conformity needed         | Yes                                                                                            |
| Pixels (effective)             | 3840(H) x 2160(V)                                                                              |
| PoE Standard                   | IEEE 802.3af                                                                                   |
| Power consumption              | 13 W                                                                                           |
| Privacy zones                  | 4                                                                                              |
| Product group                  | Camera                                                                                         |
| Protection class IK            | 10                                                                                             |
| Protection class IP            | 67                                                                                             |
| Radio functions                | Scene Change Detection, Region of Interest                                                     |
| Radio networked                | No                                                                                             |
| Resolution                     | 8 MP                                                                                           |
| Resolution modes               | Stream 1: 3840 x 2160 @ 25 fps, Stream 2: 640 x 480 @ 25 fps, Stream 3: 1280 x 720 @ 25 fps    |
| Storage medium                 | microSD card, 256 GB (opt.)                                                                    |
| Supported browsers             | IE11, Mozilla Firefox, Google Chrome, MS Edge                                                  |
| Vertical angle of view         | 26 – 58 °                                                                                      |
| 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                                                                                    |
| width                          | 154 mm                                                                                         |