

# IP Spherical Dome 4 MPx (4 mm, WL)

Art.-Nr. IPCS54511B

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## COMPACT 4 MPX 24/7 SURVEILLANCE CAMERA

As a full-colour day/night camera, the IP spherical dome delivers the best surveillance images in 4 MPx resolution. The weatherproof IP67 housing is designed for outdoor use. External white light LEDs provide clear images day and night. The camera can be accessed from the mobile app at any time.

### Top surveillance 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, while the white light LEDs provide the sensor with a touch of extra light.

### For further distances

The IP dome overlooks a horiz. field of view of 95° or 108° (variant B or A).

### 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 recorders, VMS/software or local microSD card. The camera is compatible with ABUS Secvest, Secoris and wAppLoxx Pro.

### Easy installation

The camera is mounted on the ceiling or wall (wall bracket/ insta. box available). The free 'ABUS IP Installer' software is available for integration into the network.

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Notes: Without power supply unit, because PoE.  
The effective LED range varies depending on the location.

## 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 30 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.
- Robust, weatherproof housing (IP67) with external WL-LEDs for clear image results without disturbing reflections in the glass dome
- 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 Spherical Dome 4 MPx (4 mm, WL)

|                                          |                              |
|------------------------------------------|------------------------------|
| Additional functions                     | White light range up to 30 m |
| Alarm generation                         | E-Mail, NAS, FTP             |
| Aperture at minimum illumination (color) | F1.0                         |
| Application purpose                      | General surveillance         |
| Article program                          | Professional                 |
| Audio                                    | Integrated: Microphone       |
| 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                          |

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

|                              |                                                                                                                                          |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Connections                  | 1 x RJ45, 1 x DC                                                                                                                         |
| Construction type of device  | Dome                                                                                                                                     |
| Current consumption          | 600 mA                                                                                                                                   |
| DC power supply              | 12 (+/-25 %) V                                                                                                                           |
| Diameter                     | 139 mm                                                                                                                                   |
| Digital zoom                 | Yes                                                                                                                                      |
| Dimensions                   | (LxBxH) 139x139x128 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                 | 0.7 kg                                                                                                                                   |
| Height                       | 128 mm                                                                                                                                   |
| 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                       | 139 mm                                                                                                                                   |
| Lens                         | Fix                                                                                                                                      |
| Max. Air humidity            | 95 %                                                                                                                                     |
| Max. Operating temperature   | 60 °C                                                                                                                                    |
| Max. Resolution @ frame rate | 2688 x 1520 @ 30 fps                                                                                                                     |
| Microphone                   | Yes                                                                                                                                      |
| Min. operating temperature   | -25 °C                                                                                                                                   |
| Minimum illumination (color) | 0.0005 lx                                                                                                                                |
| Motion detection             | 8 zones                                                                                                                                  |
| Net weight                   | 0.77 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                                                                                                                                       |

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

|                                |                                                                                                |
|--------------------------------|------------------------------------------------------------------------------------------------|
| 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   |
| 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                                                                                            |
| Video system                   | IP                                                                                             |
| WEEE group                     | 09                                                                                             |
| White balance                  | AWB, Manual                                                                                    |
| White light LEDs               | 2 St.                                                                                          |
| White light range (up to)      | 30 m                                                                                           |
| width                          | 139 mm                                                                                         |