

# IP Spherical Dome 4 MPx (2.8 mm, IR/WL)

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## COMPACT 4 MPX 24/7 SURVEILLANCE CAMERA

The IP spherical dome delivers the best surveillance images in 4 MPx resolution as a full colour day/night camera. 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

The infrared LEDs enable detailed black/white night vision. AI-supported object detection can be used to switch to colour night vision when an event occurs. The Gecko series delivers clear colour images in total darkness thanks to full colour day/night technology - rich in detail for conclusive evidence. The slightest residual light is effectively amplified by the special lens and the extra light-sensitive image sensor. The white-light LEDs provide finely dosed extra light for the image sensor.

### Best overview

The IP dome overlooks a horiz. viewing angle of 104° or 89° (variant A or B).

### Autom. Object recognition

The security camera distinguishes relevant movements (people, vehicles) from disturbances (branches, light, etc.) - and thus minimises unnecessary motion alarms.

### Recording and compatibility

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## 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 a network.

Notes: Without power supply unit, because power is supplied by PoE.

The effective LED range varies depending on the location.

## Technologies

- 2-way audio security camera with integrated microphone, loudspeaker and flashing light for intercom to address people and perpetrators, as well as acoustic and visual alarms
- Integrated alarm input/output (I/O) for switching scenarios for effective alarm triggering or optimisation of operating procedures (e.g. sales room)
- 4 MPx resolution (2,688 x 1,520 @ 25 fps) for crisp surveillance images
- 2.8 mm fixed lens for a good overview (110° viewing angle)
- Detailed colour images in the dark thanks to full-colour day/night technology; effectively amplifies even minimal ambient light using a special lens and highly light-sensitive image sensor
- 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); precisely metered illumination for the light-sensitive image sensor
- Integrated infrared LEDs for detailed black/white night vision and intelligent switching between IR and colour night vision (Gecko)
- Intelligent object recognition (human & vehicle): Video content analysis with fully automatic differentiation between people/vehicles and disturbances (branches, light, etc.)
- Object recognition: Video analysis with differentiation of people/vehicles and disruptive influences
- MicroSD card slot for internal data storage, encrypted for high data security (optional)

## Technical data - IP Spherical Dome 4 MPx (2.8 mm, IR/WL)

|                                          |                                                                           |
|------------------------------------------|---------------------------------------------------------------------------|
| Additional functions                     | White light range up to 30 m                                              |
| Alarm generation                         | Flash, loudspeaker, e-mail, NAS, FTP, App Push                            |
| Alarm input (NO/NC)                      | 1                                                                         |
| Aperture at minimum illumination (color) | F1.0                                                                      |
| Application purpose                      | General surveillance                                                      |
| Article program                          | Professional                                                              |
| Audio                                    | Integrated: Microphone, Loudspeaker; Connectable: Microphone, Loudspeaker |
| Backlight compensation                   | WDR, BLC, HLC                                                             |

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## Technical data - IP Spherical Dome 4 MPx (2.8 mm, IR/WL)

|                                   |                                                                                                              |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Battery - GRS type                | ML414H-IV01E                                                                                                 |
| Camera type                       | Dome                                                                                                         |
| Colour                            | white                                                                                                        |
| Compatible with                   | ABUS NVR/DVR, ABUS Link Station App, ABUS CMS                                                                |
| 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 220 mm) |
| Construction type of device       | Dome                                                                                                         |
| Current consumption               | 600 mA                                                                                                       |
| DC power supply                   | 12 (+/-25 %) V                                                                                               |
| Day/night switching               | ICR/colour/S/W, VCA-controlled between IR and white light                                                    |
| Diameter                          | 138 mm                                                                                                       |
| Digital zoom                      | Yes                                                                                                          |
| Dimensions                        | (LxWxH) 138x138x130 mm                                                                                       |
| Dynamic range (WDR)               | 120 dB                                                                                                       |
| Electronic shutter                | 1/12 - 1/1000000 s                                                                                           |
| Encryption                        | HTTPS, TLS 1.1/1.2/1.3                                                                                       |
| Focal length                      | 2,8 mm                                                                                                       |
| Frame rate                        | 1/16, 1/8, 1/4, 1/2, 1, 2, 4, 6, 8, 10, 12, 15, 16, 18, 20, 22, 25 fps                                       |
| Gross weight                      | 1.1 kg                                                                                                       |
| Height                            | 130 mm                                                                                                       |
| Horizontal viewing angle          | 110 °                                                                                                        |
| Housing material                  | Metal                                                                                                        |
| ICR day/night function            | Yes                                                                                                          |
| IR LEDs                           | Yes                                                                                                          |
| IR range (up to)                  | 30 m                                                                                                         |
| Image integration                 | No                                                                                                           |
| 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, IT                                                                                       |
| Language OSD                      | DE, UK, FR, NL, DK, IT                                                                                       |
| Length                            | 138 mm                                                                                                       |

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|                                   |                                                                                                                                          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Lens                              | Fixed                                                                                                                                    |
| Loudspeaker                       | Yes                                                                                                                                      |
| Max. Air humidity                 | 95 %                                                                                                                                     |
| Max. Operating temperature        | 60 °C                                                                                                                                    |
| Max. Resolution @ frame rate      | 2688 x 1520 @ 25 fps                                                                                                                     |
| Microphone                        | Yes                                                                                                                                      |
| Min. operating temperature        | -30 °C                                                                                                                                   |
| Minimum illumination (IR)         | 0 lx                                                                                                                                     |
| Minimum illumination (color)      | 0.0005 lx                                                                                                                                |
| Motion detection                  | max. 4 zones (with object detection), max. 8 zones (without object detection)                                                            |
| Net weight                        | 0.8 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 IR LEDs                 | 2                                                                                                                                        |
| Number of streams                 | 3                                                                                                                                        |
| Number of users                   | 32                                                                                                                                       |
| ONVIF                             | Profile G, S, T                                                                                                                          |
| Other functions                   | Object recognition 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                                                                                                                                   |
| Product security update min until | 2026-09-01                                                                                                                               |
| Protection class IP               | 67                                                                                                                                       |
| Radio functions                   | Sabotage monitoring, region of interest                                                                                                  |
| Radio networked                   | No                                                                                                                                       |
| Relay output                      | 1                                                                                                                                        |
| 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 (only with VCA off)                         |
| Storage medium                    | Optional microSD card (max. 512 GB)                                                                                                      |
| Supported browsers                | Google Chrome, MS Edge, Mozilla Firefox, IE11                                                                                            |

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|                                |                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Vertical angle of view         | 57 °                                                                                                |
| Video Content Analysis (VCA)   | Human & vehicle object detection for tripwire detection, intrusion detection, area entry, area 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                          | 138 mm                                                                                              |