

IP Spherical Dome 8 MPx (2.8mm)

Art.-Nr. IPCB58511A

Seite 1 von 4



BRILLIANT 8 MPx (4K) SURVEILLANCE

8 MPx (4K) 24/7 outdoor surveillance with full details

The IP spherical dome delivers ultra-high resolution surveillance images in 8 MPx (4K) resolution. The compact, weatherproof IP67 housing is designed for robust outdoor use. Powerful IR LEDs provide detailed images day and night. The camera can be accessed from the mobile app at any time.

Best overview

The IP dome watches over a span of 110°. The combination of wide angle and high 4K resolution provides the best overview of large rooms, grounds, etc.

Autom. Object recognition

The security camera has WDR backlight compensation and motion detection. It 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, video management software or local microSD card. The camera is compatible with ABUS Secvest, Secoris and wApploxx Pro Plus.

Convenient start-up

The IP dome is mounted on the ceiling or wall (wall bracket and installation box available). The free software ABUS IP Installer incl. Camera Finder is available for quick setup in the network.

Notes: It does not have a power supply unit because it can be supplied with power via PoE.

IP Spherical Dome 8 MPx (2.8mm)

Art.-Nr. IPCB58511A

Seite 2 von 4

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

Technologies

- 8 MPx (4K) resolution: 3.840 x 2,160 @ 20 fps for crisp, ultra-high definition surveillance images
- 2.8 mm fixed lens for a good overview (110° angle of view)
- 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.)
- Sturdy, weatherproof housing (IP67)
- IR LEDs for very clear images in the dark (up to 30 m range), without disturbing reflections in the glass dome (external LEDs)
- 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 Spherical Dome 8 MPx (2.8mm)

Alarm generation	E-Mail, NAS, FTP
Aperture at minimum illumination (color)	F1.4
Application purpose	General surveillance
Article program	Professional
Backlight compensation	WDR, BLC, HLC
Camera type	Ball 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 (Cable length 280 mm)
Construction type of device	Dome
Current consumption	600 mA
DC power supply	12 (+/-25 %) V
Day/night switching	ICR/Color/B/W
Diameter	139 mm
Digital zoom	Yes

IP Spherical Dome 8 MPx (2.8mm)

Art.-Nr. IPCB58511A

Seite 3 von 4

Technical data - IP Spherical Dome 8 MPx (2.8mm)

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	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, 30 fps
Gross weight	0.7 kg
Height	128 mm
Horizontal viewing angle	110 °
Housing material	Metal
ICR day/night function	Yes
IR LEDs	Yes
IR range (up to)	30 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	139 mm
Lens	Fix
Lens mount	M12
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	0.83 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
Number of streams	3
Number of users	32
ONVIF	Profile G, S, T
Other functions	Object Classification Person/Vehicle

IP Spherical Dome 8 MPx (2.8mm)

Art.-Nr. IPCB58511A

Seite 4 von 4

Technical data - IP Spherical Dome 8 MPx (2.8mm)

PSTI conformity given	Yes
PSTI conformity needed	Yes
Pixels (effective)	3840(H) x 2160(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	8 MP
Resolution modes	Stream 1: 3840 x 2160 @ 30 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	59 °
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	139 mm