FLEXIDOME IP panoramic 6000 - outdoor

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- ► 12MP / 30 fps sensor for fine details with smooth motion
- ▶ Edge or client-side dewarping for easy integration
- ► Built-in Essential Video Analytics to trigger relevant alerts and quickly retrieve data
- ▶ Outdoor IP panoramic camera
- ► Compatible with Bosch universal accessories

The FLEXIDOME IP panoramic 6000 is an outdoor use camera. The 12MP sensor operating at 30 fps gives a full panoramic surveillance with complete area coverage, fine details and high speeds. The camera offers full situational awareness and simultaneous E-PTZ views in high resolution.

Versions

The 360° version of the camera, when mounted centrally on a pole or under an eave, gives complete surround coverage without blind spots. The 180° version has a higher effective resolution and is ideal for wall mounting in perimeter surveillance by obtaining a seamless 180° coverage.

Dewarping

The lens captures a circular image. Our dewarping software transforms this circular image into several different distortion-free rectangular views. To facilitate system integration, you can choose edge dewarping inside the camera or client-side dewarping on an external platform.

The freely available Video Security Client from Bosch provides advanced client-side dewarping features. The 360° version of the camera, when mounted centrally on a pole or under an eave, gives complete surround coverage without blind spots. The 180°

version has a higher effective resolution and is ideal for wall mounting in perimeter surveillance by obtaining a seamless 180° coverage.

System overview

Advantages of panoramic surveillance

Panoramic surveillance offers full 180° or 360° coverage of the designated area. Because our panoramic cameras cover the full area, they provide complete situational awareness and are ideally suited to following movement in one continuous sweep.

180°



360°



These panoramic cameras will considerably augment the functionality of any high-end surveillance system especially when coupled with Essential Video Analytics, for example, for people counting or complex rule-based alarm triggering.

Functions

12MP sensor at 30 fps

The ultra high 12MP sensor resolution together with the exceptionally high frame rate of 30 fps makes this camera unique in the field of panoramic image capture. Motion is smoother and the E-PTZ feature provides more detailed images.

The effective resolution for the 180° version is 8MP and for the 360° version 7MP

Essential Video Analytics

The built-in video analysis reinforces the Intelligenceat-the-Edge concept and now delivers even more powerful features. Essential Video Analytics is ideal for use in controlled environments with limited detection ranges.

The system reliably detects, tracks, and analyzes objects, and alerts you when predefined alarms are triggered. A smart set of alarm rules makes complex tasks easy and reduces false alarms to a minimum.

MOTION+

The MOTION+ video motion analysis system that is built into all camera versions is the perfect solution for applications where basic video content analysis features are required. MOTION+ shows motion metadata in an overlay display. By using MOTION+ data as input, smarter imaging algorithms bring improved image quality and more efficient bitrates. It also enables extended tamper detection capabilities.

Client-side dewarping

With client-side dewarping, the camera streams a single circular non-dewarped image at 30 fps.

Dewarping is performed with our dewarping software that is installed on the PC where multiple view modes are available or you can choose to use a third-party client-side dewarping software solution.

Edge dewarping

The edge dewarping in the camera provides three separate video channels simultaneously at 12.5 fps:

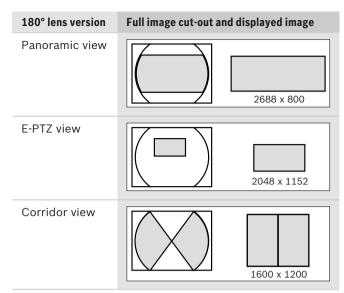
- Full image circle (Video 1 channel)
- Dewarped view mode (Video 2 channel)
- E-PTZ (Video 3 channel)

Different view modes can be selected for the video 2 channel. Your selection depends on the resolution you require and how you wish to view the dewarped image.

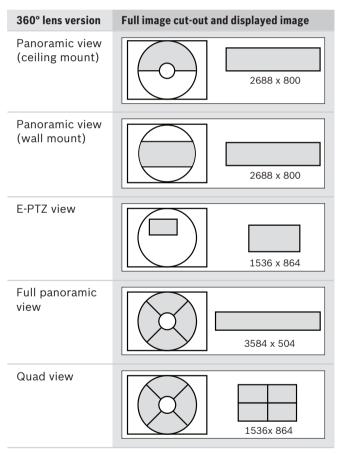
View modes

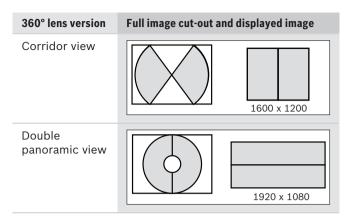
The following view modes can be selected at 12.5 fps with edge dewarping or 30 fps with our client side dewarping.

With the 180° lens version, you can select one of the following view modes for the second channel:



With the 360° lens version, select one of the following view modes for the second channel:





DORI coverage

DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a camera to distinguish persons or objects within a covered area. The maximum distance at which a camera/lens combination can meet these criteria is shown below:

For high mounting applications, the center image DORI values are:

DORI	Object distance – 180°	Object distance - 360°
Detect	55 m (181 ft)	42 m (138 ft)
Observe	22 m (72 ft)	16.5 m (54 ft)
Recognize	10.5 m (35 ft)	8.5 m (28 ft)
Identify	5.5 m (18 ft)	4 m (13 ft)

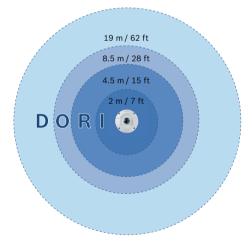
When mounted at a height of 3 m (10 ft) the 180° version of the camera has the following coverage radius for the four levels:

DORI	DORI definition	Coverage radius
Detect	25 px/m (8 px/ft)	28 m (92 ft)
Observe	63 px/m (19 px/ft)	12 m (40 ft)
Recognize	125 px/m (38 px/ft)	6.5 m (22 ft)
Identify	250 px/m (76 px/ft)	3.5 m (12 ft)



When mounted at a height of 3 m (10 ft) the 360° version of the camera has the following coverage radius for the four levels:

DORI	DORI definition	Coverage radius
Detect	25 px/m (8 px/ft)	19 m (62 ft)
Observe	63 px/m (19 px/ft)	8.5 m (28 ft)
Recognize	125 px/m (38 px/ft)	4.5 m (15 ft)
Identify	250 px/m (76 px/ft)	2 m (7 ft)



E-PTZ and regions of interest

The remote E-PTZ (Electronic Pan, Tilt and Zoom) controls allow you to select specific areas of the full image circle. These Regions of Interest (ROI) can be easily defined, allowing the most interesting part of a scene to be monitored separately. The high resolution ensures that details are not lost even when using the electronic zoom.

The E-PTZ feature of a panoramic camera has some advantages over normal PTZ cameras. There is no camera movement so the camera does not draw attention to itself or appear intrusive. Situational awareness is still retained even when zooming in on a

particular object of interest. The smooth E- PTZ function helps navigation, and presets are available as they are with regular PTZ cameras.

Record exactly what you want

The camera provides the full resolution circular image for recording even if you are viewing only a portion of the scene. This means that you can always perform retrospective dewarping and analyses on the complete area covered and then zoom in on the region or object of interest.

With edge-dewarping you can also choose to only record the relevant parts of the scene which helps reduce bitrates significantly.

Intelligent streaming

Smart encoding capabilities, together with Intelligent Dynamic Noise Reduction technology and analytics, make the bandwidth consumption drop to extremely low levels. Only relevant information in the scene, such as motion or objects found with the analytics, are encoded.

Area-based encoding

Area-based encoding is another feature which reduces bandwidth. Compression parameters for up to eight user-definable regions can be set. This allows uninteresting regions to be highly compressed, leaving more bandwidth for important parts of the scene. Area-based encoding is only available with client-side dewarping.

Bitrate optimized profile

The average typical optimized bandwidth in kbits/s for various image rates is shown in the table:

fps	12MP (full image circle)	Dewarped ROI (720p)
30	3100	-
25	2921	-
20	2640	-
12.5	2305	491
10	2192	432
5	1530	303
2	655	130

Measured dynamic range

The dynamic range of the camera is outstanding and is obvious in real-world performance comparisons — 92 dB wide dynamic range (plus an extra 16 dB when combined with Intelligent Auto Exposure).

The actual dynamic range of the camera is measured using Opto-Electronic Conversion Function (OECF) analysis with a standardized test chart based on ISO standards. This method provides more realistic and verifiable results in comparison with the theoretical approximations sometimes used.

Priority exposure control

To optimize image quality, eight zones for measuring the exposure can be drawn on the full image circle and assigned a priority level. These zones are given a higher or lower priority when the camera calculates the exposure level. This ensures that the important areas of the scene have the ideal exposure level.

Intelligent Auto Exposure

Fluctuations in backlight and front light can ruin your images. To achieve the perfect picture in every situation, Intelligent Auto Exposure automatically adjusts the exposure of the camera. It offers superb front light compensation and incredible backlight compensation by automatically adapting to changing light conditions.

Outdoor design

The camera is exceedingly suitable for outdoor installations where movement is a constant, such as parking lots, school areas and squares. This gives a single solution for outdoor environments with an integrated IP66/IK10 design, as well as compatibility with Bosch universal accessories.

The LED indicators, reset button and SD card slot are easily accessed. A complete set of outdoor mounting accessories, such as a surface mount box, a pendant pipe, wall or ceiling mount, are available.

Power for the camera is supplied via a Power-over-Ethernet compliant network cable connection. With this configuration, only a single cable connection is required to view, power, and control the camera.

Scene modes

The camera has a very intuitive user interface that allows fast and easy configuration. Nine configurable modes are provided with the best settings for a variety of applications. Different scene modes can be selected for day or night situations.

Storage management

Recording management can be controlled by the Bosch Video Recording Manager (Video Recording Manager) or the camera can use iSCSI targets directly without any recording software.

Edge recording

Insert a memory card into the card slot to store up to 2 TB of local alarm recording. Pre-alarm recording in RAM reduces recording bandwidth on the network, and extends the effective life of the memory card. It has advanced edge recording providing a reliable storage solution possible due to the combination of these functions:

- Industrial SD card support allows for extreme lifetime
- Health monitoring of industrial SD cards provide early service indications.

Cloud-based services

The camera supports time-based or alarm-based JPEG posting to four different accounts. These accounts can address FTP servers or cloud-based storage facilities (for example, Dropbox). Video clips or JPEG images can also be exported to these accounts. Alarms can be set up to trigger an e-mail or SMS notification so you are always aware of abnormal events.

Access security

Password protection with three levels and 802.1x authentication is supported. To secure Web browser access, use HTTPS with a SSL certificate stored in the camera.

Complete viewing software

There are many ways to access the camera's features: using a web browser, with the Bosch Video
Management System, with the free-of-charge
Bosch Video Client or Video Security Client, with the video security mobile app, or via third-party software.

System integration and ONVIF conformance

The camera conforms to the Open Network Video Interface Forum (ONVIF) Profile S and Profile G specifications. Compliance with these standards guarantees interoperability between network video products regardless of manufacturer. Third-party integrators can easily access the internal feature set of the camera for integration into large projects. Visit the Bosch Integration Partner Program (IPP) website (ipp.boschsecurity.com) for more information.

Certifications and approvals

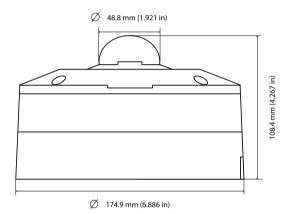
Standards	Туре
Emission	EN 50121-4: 2016; EN55032: 2015, AC: 2016; CFR 47 FCC part 15 : 2012-10-1, Class B
Environmental	EN 50581 (2012)
Environmental Tests	EN 50130-4: 2011, A1: 2014
Immunity	EN 50121-4: 2016; EN 50130-4: 2011, A1: 2014
Marks	CE, cULus, WEEE, RCM, EAC and China RoHS
Safety	EN 60950-1: 2006, A11: 2009, A1: 2010, A12: 2011, A2: 2013; UL 60950-1, 2nd edition; CAN/CSA-C 22.2 No. 60950-1-07, 2nd edition; EN 60950-22: 2006, A11: 2008; UL 60950-22, 1st edition; CSA C22.2 NO. 60950-22-07 Edition 1

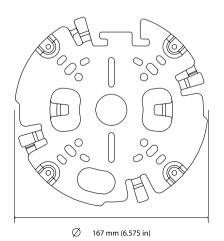
Standards	Туре
Impact protection	EN 62262 (IK10)
Ingress protection	EN 60529 (IP66)

*All systems where this camera is used must comply with this standard as well.

Region	Regulatory compliance/quality marks	
Europe	CE	EU_CE Declaration of Conformity

Installation/configuration notes





Technical specif	ications		
Power			
Power Supply	Power-over-Ethernet 48V DC nominal		
Power Consumption	140 mA		
PoE	IEEE 802.3af (802.3at Type 1)		
Sensor			
Туре	1/2.3-inch CMOS		
Total sensor pixels	12MP		
Used pixels (180° version)	3648 x 2160 (8MP)		
Used pixels (360° version)	2640 x 2640 (7MP)		
Video performance -	Sensitivity – 180° lens		
(3100K, reflectivity	89%, F2.8, 30IRE)		
Color	0.46 lx		
Mono	0.15 lx		
Video performance -	Sensitivity – 360° lens		
(3100K, reflectivity	(3100K, reflectivity 89%, F2.8, 30IRE)		
Color	0.55.1		
30101	0.55 lx		
Mono	0.18 lx		
	0.18 lx		
Mono	0.18 lx		
Mono Video performance -	0.18 lx Dynamic range		
Mono Video performance - Dynamic range	0.18 lx Dynamic range		
Mono Video performance - Dynamic range Video streaming Video	0.18 lx Dynamic range 92 dB WDR (+16 dB IAE)		
Mono Video performance - Dynamic range Video streaming Video compression	0.18 lx Dynamic range 92 dB WDR (+16 dB IAE) H.264 (MP); M- JPEG Multiple configurable streams in H. 264 and M-JPEG, configurable frame rate and bandwidth. Multiple channels with edge dewarping.		
Mono Video performance - Dynamic range Video streaming Video compression Streaming	O.18 lx Dynamic range 92 dB WDR (+16 dB IAE) H.264 (MP); M- JPEG Multiple configurable streams in H. 264 and M-JPEG, configurable frame rate and bandwidth. Multiple channels with edge dewarping. Regions of Interest (ROI)		

Video resolution (H x V) – 180° version			
Video 1 channel	Image circle	3640 x 2160	
Video 2 channel	Panoramic	2688 x 800	
	E-PTZ	2048 x 1152	
	Corridor	1600 x 1200	
Video 3 channel	E-PTZ	1280 x 720	
Video resolution (H x	V) - 360° version		
Video 1 channel	Full image circle	2640 x 2640	
Video 2 channel	Full panoramic	3584 x 504	
	E-PTZ	1536 x 864	
	Quad	1536 x 864	
	Panoramic	2688 x 800	
	Double panoramic	1920 x 1080	
	Corridor	1600 x 1200	
Video 3 channel	E-PTZ	1280 x 720	
Video functions	Video functions		
Day/Night	Color, Monochrome, Auto (adjustable switchover points)		
Adjustable picture settings	Contrast, Saturation, Brightness		
White Balance	2500 to 10000K, 4 automatic modes (Basic, Standard, Sodium vapor, Dominant color), Manual mode and Hold mode		
Shutter	Automatic Electronic Shutter (AES) Fixed (1/30 [1/25] to 1/15000) selectable Default shutter		
Sharpness	Sharpness enhancement level selectable		
Backlight compensation	Off / On / Intelligent Auto Exposure (BLC)		
Contrast enhancement	On/off		
Noise reduction	Intelligent Dynamic Noise Reduction Intelligent Streaming		
Intelligent defog	Intelligent defog automatically adjusts parameters for best picture in foggy or misty scenes (switchable)		
Exposure region	Multiple selectable regions		

Video functions		
Privacy Masking	Eight independent areas, fully	
TITVACY WIASKING	programmable	
Scene modes	9 default modes with scheduler	
Video Content Analysis	MOTION+ and Essential Video Analytics	
Pre-positions	Six independent sectors	
Display stamping	Individual names and stamps for all video channels	
Other functions	Pixel counter, Video watermarking, Location	
Optical		
Lens (180° version)	2.1 mm fixed-focus lens (IR corrected), F2.8	
Lens (360° version)	1.6 mm fixed-focus lens (IR corrected), F2.8	
Lens mount	Board mounted	
Iris control	Fixed iris	
Field of view (180° version)	180° (H) x 93° (V)	
Field of view (360° version)	180° (H) x 180° (V)	
Minimum object distance	0.1 m	
Day/Night	Switched mechanical IR filter	
Local storage		
Internal RAM	10 s pre-alarm recording	
Memory card slot	SDXC/SDHC SD card slot	
Recording	Continuous recording, ring recording. alarm/events/schedule recording	
Industrial SD cards	Extreme lifetime and health monitoring support that provides early service indication. Recommended: Industrial SD cards with health monitoring	
Software		
Unit discovery	IP Helper	
Unit configuration	Via web browser or Configuration Manager	
Firmware update	Remotely programmable	

Software viewing Latest firmware and software http:// downloadstore.boschsecurity.com/ Network Protocols IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP v2/v3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, v3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, no-ip.com), SMTP, ISCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication, Stratocast™ Genetec Encryption TLS1.0/1.2, AES128, AES256 Ethernet 10/100 Base-T, auto-sensing, half/full duplex Connectivity Auto-MDIX Interoperability ONVIF Profile S; ONVIF Profile G; ONVIF Profile T GB/T 28181 Mechanical Dimensions (∅ x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating Temperature Storage Temperature Operating 5% to 93% RH non-condensing Humidity 5% to 100% RH condensing	Software		
Network Protocols IPv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, no-ip.com), SMTP, ISCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication, Stratocast™ Genetec Encryption TLS1.0/1.2, AES128, AES256 Ethernet 10/100 Base-T, auto-sensing, half/full duplex Connectivity Auto-MDIX Interoperability ONVIF Profile S; ONVIF Profile G; ONVIF Profile T GB/T 28181 Mechanical Dimensions (⊘ x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating Temperature Storage Temperature Operating 5% to 93% RH non-condensing		• •	
Protocols Pv4, IPv6, UDP, TCP, HTTP, HTTPS, RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, no-ip.com), SMTP, iSCSI, UPnP (SSDP), Diffserv (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication, Stratocast™ Genetec Encryption TLS1.0/1.2, AES128, AES256		• • •	
RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, no-ip.com), SMTP, ISCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication, Stratocast™ Genetec Encryption TLS1.0/1.2, AES128, AES256 Ethernet 10/100 Base-T, auto-sensing, half/full duplex Connectivity Auto-MDIX Interoperability ONVIF Profile S; ONVIF Profile G; ONVIF Profile T GB/T 28181 Mechanical Dimensions (∅ x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating Temperature Storage Temperature Operating 5% to 93% RH non-condensing	Network		
Ethernet 10/100 Base-T, auto-sensing, half/ full duplex Connectivity Auto-MDIX Interoperability ONVIF Profile S; ONVIF Profile G; ONVIF Profile T GB/T 28181 Mechanical Dimensions (Ø x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating Temperature Storage Temperature Operating -20°C to +60°C (-4°F to 140°F) Temperature 5% to 93% RH non-condensing	Protocols	RTP/RTCP, IGMP V2/V3, ICMP, ICMPv6, RTSP, FTP, ARP, DHCP, APIPA (Auto-IP, link local address), NTP (SNTP), SNMP (V1, V3, MIB-II), 802.1x, DNS, DNSv6, DDNS (DynDNS.org, selfHOST.de, no-ip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication, Stratocast™	
full duplex Connectivity Auto-MDIX Interoperability ONVIF Profile S; ONVIF Profile G; ONVIF Profile T GB/T 28181 Mechanical Dimensions (∅ x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating Temperature Storage Temperature Operating -20°C to +60°C (-4°F to 140°F) Temperature 5% to 93% RH non-condensing	Encryption	TLS1.0/1.2, AES128, AES256	
Interoperability ONVIF Profile S; ONVIF Profile G; ONVIF Profile T GB/T 28181 Mechanical Dimensions (∅ 174.9 x 108.4 mm (6.886 x 4.267 in) x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating 70°C to +45°C (-22°F to 113°F) Temperature Storage 720°C to +60°C (-4°F to 140°F) Temperature Operating 5% to 93% RH non-condensing	Ethernet		
ONVIF Profile T GB/T 28181 Mechanical Dimensions (∅ 174.9 x 108.4 mm (6.886 x 4.267 in) x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating 7-30°C to +45°C (-22°F to 113°F) 7-20°C to +60°C (-4°F to 140°F) Temperature Operating 5% to 93% RH non-condensing	Connectivity	Auto-MDIX	
Dimensions (∅ x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating Temperature Storage Temperature Operating Temperature 5% to 93% RH non-condensing	Interoperability	ONVIF Profile T	
x H) Weight 2.06 kg (4.54 lbs) Color White (RAL9003) Environmental Operating -30°C to +45°C (-22°F to 113°F) Temperature Storage -20°C to +60°C (-4°F to 140°F) Temperature Operating 5% to 93% RH non-condensing	Mechanical		
Color White (RAL9003) Environmental Operating	,	174.9 x 108.4 mm (6.886 x 4.267 in)	
Environmental Operating Temperature Storage Temperature -20°C to +60°C (-4°F to 140°F) Temperature Operating 5% to 93% RH non-condensing	Weight	2.06 kg (4.54 lbs)	
Operating Temperature -30°C to +45°C (-22°F to 113°F) Storage Temperature -20°C to +60°C (-4°F to 140°F) Operating 5% to 93% RH non-condensing	Color	White (RAL9003)	
Temperature Storage -20°C to +60°C (-4°F to 140°F) Temperature Operating 5% to 93% RH non-condensing	Environmental		
Temperature Operating 5% to 93% RH non-condensing		-30°C to +45°C (-22°F to 113°F)	
	_	-20°C to +60°C (-4°F to 140°F)	
Storage Up to 98% RH Humidity		Up to 98% RH	
Impact IK10 Protection		IK10	
Ingress IP66 Protection	-	IP66	
Sustainability PVC free	Sustainability	PVC free	

Ordering information

NDS-6004-F180E Fixed dome 12MP 180º IP66

High-performance 12MP sensor camera for intelligent 180° panoramic outdoor surveillance.

Order number NDS-6004-F180E

NDS-6004-F360E Fixed dome 12MP 360° IP66

High-performance 12MP sensor camera for intelligent 360° panoramic outdoor surveillance.

Order number NDS-6004-F360E

Accessories

NDA-8000-PIP Pendant interface plate, indoor

Pendant interface plate for FLEXIDOME IP 8000i and FLEXIDOME IP panoramic 6000/7000 outdoor. Order number NDA-8000-PIP

NDA-8000-PIPW Pendant interface plate, outdoor

Pendant interface plate including weather protector for FLEXIDOME IP 8000i and FLEXIDOME IP panoramic 6000/7000 outdoor.

Order number NDA-8000-PIPW

NDA-U-PMT Pendant pipe mount, 12" (31cm)

Universal pipe mount for dome cameras, 31 cm, white Order number NDA-U-PMT

NDA-U-PMTE Pendant pipe extension, 20" (50cm)

Extension for universal pipe mount, 50 cm, white Order number NDA-U-PMTE

NPD-5001-POE Power over ethernet, 15.4W, 1-port

Power-over-Ethernet midspan injector for use with PoE enabled cameras; 15.4 W, 1-port

Weight: 200 g (0.44 lb)
Order number NPD-5001-POE

NPD-5004-POE Power over ethernet, 15.4W, 4-port

Power-over-Ethernet midspan injectors for use with PoE enabled cameras; 15.4 W, 4-ports

Weight: 620 g (1.4 lb)
Order number NPD-5004-POE

NPD-3001-WAP Portable installation tool

Bosch camera portable and wireless installation tool Order number NPD-3001-WAP

NDA-U-WMT Pendant wall mount

Universal wall mount for dome cameras, white Order number NDA-U-WMT

NDA-U-PSMB Pendant wall/ceiling mount SMB

Surface mount box (SMB) for wall mount or pipe mount.

Order number NDA-U-PSMB

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