

FLEXIDOME panoramic 5100i IR



The FLEXIDOME panoramic 5100i IR is a discreet and aesthetic panoramic camera for indoor and outdoor surveillance.

Its stereographic, panoramic lens provides full 360° coverage without blind spots, ideal for surveillance applications that require wide area coverage in a single, detailed view. The camera offers full situational awareness and simultaneous high-resolution zoomed-in images. The high-end system on chip (SoC) provides dewarping for easy integration and flexible viewing and recording.

Built-in Intelligent Video Analytics enriches full situational awareness and triggers relevant alerts. Audio Al gives meaning to the sounds it captures. The camera's integrated IR provides the flexibility to control IR intensity in multiple zones to prevent IR saturation. Additionally, with its wide range of inputs and outputs, such as Alarm and video output for HDMI-compatible devices, it can be used for any application.

The camera has an IK10 and IP66 design to protect itself against vandalism and all weather conditions.

Functions

Up to 12MP sensor resolution

The camera offers a choice between a 6MP or 12MP sensor to optimize for the amount of details required. Both options offer 30 fps to ensure real-time motion in your scenes.











- ▶ 360° panoramic overview in 6MP and 12MP resolution without blind spots
- ► Optimized for all lighting conditions with integrated IR and High Dynamic Range
- ► Edge or client-side dewarping for easy integration and flexible viewing and recording
- ► Built-in Intelligent Video Analytics and Audio Al to trigger relevant alerts and quickly retrieve
- ► Compact design protected against vandalism and all weather conditions

Taking into account the image circle projection, the cameras offer a 4.5MP and 9MP effective resolution. Combined with the stereographic lens in these cameras it also provides improved resolution in the peripheral areas of the image

Panoramic vision and Intelligent Video Analytics

Combining Bosch Intelligent Video Analytics software with full panoramic vision, produces an extremely powerful surveillance tool, which enriches full situational awareness. With intelligent tracking, movement can be followed continuously throughout the full image circle. There is no need to hand off tracking from one camera to another, greatly simplifying movement analysis.

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. Moving objects can be classified in four different object classes: person, car, bike, truck. Specifically designed for the most demanding environments. It is extremely resistant to false triggers caused by challenging environments with snow, wind (moving trees), rain, hail, and water reflections. Calibration is quick and easy - just enter the mounting height of the camera. The internal gyro/accelerometer sensor provides the rest of the information to precisely calibrate the video analytics.

Camera Trainer

Based on examples of target objects and non-target objects, the Camera Trainer program uses machine learning to allow the user to define objects of interest and generate detectors for them. In contrast to the moving objects that the Intelligent Video Analytics application detects, the Camera Trainer program detects both moving and non-moving objects and classifies them immediately. Using Configuration Manager, you can configure the Camera Trainer program using both live video as well as recordings available through the respective camera. The resulting detectors can be downloaded and uploaded for distribution to other cameras.

A free of charge license is required to activate the Camera Trainer program.

Audio Al

The camera has an integrated microphone array with three digital microphones for audio analytics and Audio Al. It offers an alarm functionality for events such as glass breaking, gunshot detection, screaming, or other loud noises. The camera is not only able to classify sounds, but also to provide an approximate location of the sound. There is no need to record audio, as it is possible to examine sound characteristics only.

If required by local laws, the microphone can be permanently blocked via a secure license key. As Audio AI is under development, certain features might not be available at release or performance can be limited.

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.

Dewarping on the camera will be available with a future firmware version.

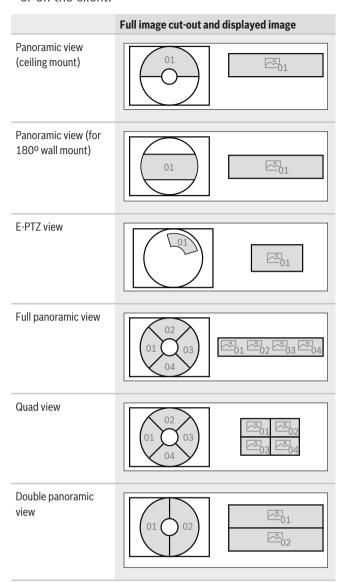
The edge dewarping in the camera provides three separate video channels simultaneously:

- 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 select in the camera or on the client:



Video output for HDMI devices

The camera has a video output with 1080p resolution for live streaming to a public view monitor ideal for retail usage or for local video display. Via its micro HDMI connector, the camera can display the full image circle on HDMI-compatible devices.

With a future firmware version, it will offer the flexibility to also display dewarped view modes.

High Dynamic Range

The camera has High Dynamic Range. This is based on a multiple-exposure process that captures more details in the highlights and in the shadows even in the same scene. The result is that you can easily distinguish objects and features, for example, faces with bright backlight.

The actual dynamic range of the camera is measured using Opto-Electronic Conversion Function (OECF) analysis according to IEC 62676 Part 5. This method is used to provide standardized measurements, which can be used to compare different cameras.

DORI coverage

DORI (Detect, Observe, Recognize, Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video 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:

When mounted at 3 m (10 ft) height the camera has the following coverage radius for the four DORI levels for a person in the scene:

| DORI | DORI definition | Coverage radius |
|-----------|---------------------|--|
| Detect | 25 px/m (8 px/ft) | 12MP: 45.5 m / 149 ft 6MP: 28 m / 93 ft |
| Observe | 63 px/m (19 px/ft) | 12MP: 18 m / 60 ft 6MP: 11.5 m / 38 ft |
| Recognize | 125 px/m (38 px/ft) | 12MP: 8.5 m / 28 ft 6MP: 5.5 m / 18 ft |
| Identify | 250 px/m (76 px/ft) | 12MP: 3.8 m / 13 ft 6MP: 2.1 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. With onboard dewarping enabled, 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 for setting up a guard tour.

Intelligent tracking is also available to track people through the entire view of the camera.

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 analysis 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.

Scene modes

The camera has a very intuitive user interface that allows fast and easy configuration. Multiple preset configurable modes are provided with the best settings for a variety of applications. Different scene modes can be selected for different situations, such as sodium lighting or dark environments.

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.

Edge recording will be available with a future firmware version.

Data security

Special measures have been put in place to ensure the highest level of security for device access and data transport. The three-level password protection with security recommendations allows users to customize device access. Web browser access can be protected using HTTPS and firmware updates can also be protected with authenticated secure uploads. The cameras have built-in Secure Element (SE) hardware providing main Trusted Platform Module (TPM) functionality to ensure the highest levels of data security and privacy protection. Together with Public Key Infrastructure (PKI) support, superior protection from malicious attacks is guaranteed. It also supports RSA encryption key lengths of up to 4096 bits, ensuring data safety beyond 2030. The 802.1x

network authentication with EAP/TLS, supports TLS 1.2 with updated cipher suites including AES 256 encryption. The advanced certificate handling offers:

- Bosch origin device certificate pre-installed
- Self-signed unique certificates automatically created when required
- · Client and server certificates for authentication
- · Client certificates for proof of authenticity
- · Certificates with encrypted private keys

Modular accessories

A full line of modular accessories is available that allows a consistent design across different cameras and a wide range of installation possibilities. Available options include wall or pipe mount, a surveillance cabinet with power and fiber optic options. There is also a conduit adapter available for installations on concrete walls or ceilings.

H.265 high-efficiency video encoding

The camera is designed on the most efficient and powerful H.264 and H.265/HEVC encoding platform. The camera is capable of delivering high-quality and high-resolution video with very low network load. With a doubling of encoding efficiency, H.265 is the compression standard of choice for IP video surveillance systems.

System integration and ONVIF conformance

The camera conforms to the ONVIF Profile S, ONVIF Profile G, ONVIF Profile M, and ONVIF Profile T specifications. For H.265 configuration, the camera supports Media Service 2, which is part of ONVIF Profile T. 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.

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.

Bosch Remote Portal

With the secure cloud infrastructure, Bosch Remote Portal, you can manage your connected Bosch devices. From the Bosch Remote Portal you can:

- Complete initial configuration of your connected Bosch devices (online or offline).
- Update firmware for single or multiple devices.
- · Manage certificates.
- Monitor the health of your connected Bosch devices.

Two-way audio and built-in microphone

Two-way audio allows the operator to communicate with visitors or intruders via an external audio line input and output. Alternatively, there is an integrated microphone to capture crisp and clear audio. By using the integrated or external microphone, audio detection can be used to generate alarms to alert the security operator quicker and act more proactively. If required by local laws, the microphone can be blocked via a secure license key.

Resists rain, dust, and tampering with reliable operation across a wide temperature range

Suitable for indoor and outdoor usage.

The robust design of the camera is rated to IP66 and IK10 standards, safeguarding the camera against rain and dust while also offering protection against vandalism and tampering.

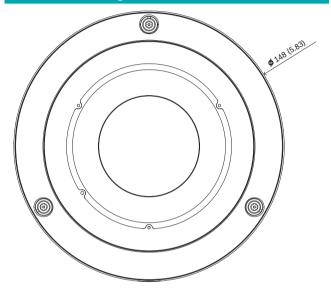
The camera can operate in a wide ambient temperature range between -40 °C up to +55 °C / -40 °F up to 131 °F.

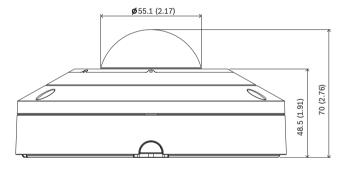
Regulatory information

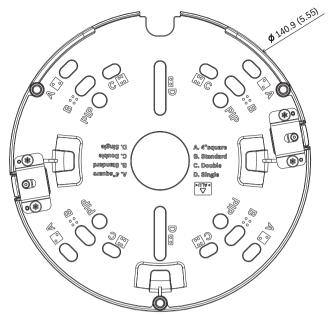
| Standards | Туре |
|-------------------|--|
| Emission | EN 55032 |
| | CFR 47 FCC part 15, Class A |
| Environmental | EN IEC 63000: 2018 |
| | EN 50130-5: 2011 |
| | RoHS EU, 2011/65/EU and 2015/863/EU |
| | WEEE EU, 2012/19/EU |
| | NEMA TS-2 chapter 2.1 |
| Immunity | EN 50121-4 |
| | EN 50130-4 |
| Marks | CE, FCC, UL, WEEE, RCM, VCCI, CMIM, UKCA, China RoHS |
| Safety | EN 62368-1 |
| | EN 60950-22 |
| | UL 60950-22 |
| | UL 62368-1, 2nd edition |
| | CSA C22.2 No. 62368-1-14, 2nd edition |
| Image performance | IEC 62676-5 |

| Standards | Туре |
|--------------------|--|
| ONVIF conformance | EN 50132-5-2, EN 62676-2 |
| Impact protection | EN 62262 (IK10) |
| Ingress protection | EN 60529 (IP66) and UL50E (NEMA Type 4X) |
| IR lighting | IEC 62471 |

Installation/configuration notes







Dimensions in mm (inch)

Technical specifications

| Power | |
|-------------------------|---|
| Input voltage | PoE IEEE 802.3af / 802.3at Type 1, Class 3 |
| | 24 VAC ±10% |
| | 12 VDC ±10% |
| | PoE and auxiliary power can be connected simultaneously for redundant operation |
| Power consumption (DC) | 13.4 W max. |
| Power consumption (AC) | 13.3 W max. |
| Power consumption (PoE) | 11.4 W max. |

| Sensor | |
|---------------------|----------------------|
| Total sensor pixels | 6 MP |
| Type (6 MP) | 1/1.8-inch CMOS |
| Used pixels (6 MP) | 2112 x 2112 (4.5 MP) |
| Total sensor pixels | 12 MP |
| Type (12 MP) | 1/2.3 inch CMOS |
| Used pixels (12 MP) | 3008 x 3008 (9 MP) |

Video performance - Sensitivity

Measured according to IEC 62676 Part 5 (1/25, F2.0)

| Color (6 MP) | 0.099 lx |
|--------------|----------|
| | |

| Video performance - Se | ensitivity | |
|--|--|---|
| Measured according to | IEC 62676 Part 5 (1/25, F | 2.0) |
| Mono (6 MP) | 0.008 lx | |
| With IR (6 MP) | 0 lx | |
| Color (12 MP) | 0.150 lx | |
| Mono (12 MP) | 0.048 lx | |
| With IR (12 MP) | 0 lx | |
| Video performance - Dy | /namic range | |
| Wide Dynamic Range (6 MP) | 120 dB WDR | |
| Measured according to IEC 62676 Part 5 (6 MP) | 105 dB WDR | |
| Wide Dynamic Range (12 MP) | 120 dB WDR | |
| Measured according to IEC 62676 Part 5 (12 MP) | 106 dB WDR | |
| Video streaming | | |
| Video compression | H.265; H.264; M-JPEG | |
| Streaming | Multiple configurable streams in H.265, H.264 and M-JPEG, configurable frame rate and bandwidth. | |
| | Multiple channels with edg with a future firmware vers | |
| | Regions of Interest (ROI) | |
| Overall IP Delay | Min. 120 ms, Max. 340 ms | |
| GOP structure | IP, IBP, IBBP | |
| Frame rate (6 MP) | 1-30fps | |
| Frame rate (12 MP) | 1-30fps 1-25fps in HDR mode | |
| Encoder regions | Eight independent areas for setting encoder quality to optimize bitrate. | |
| Video resolution (H x V) | | |
| Video 1 channel | Full image circle | 6 MP: 2112 x 2112 (4.5 MP) 12 MP: 3008 x 3008 |

(9 MP)

| Video resolution (H x V) | | |
|--|---|------------------------|
| Video 2 channel (available with a future firmware version) | Various dewarped modes (Full panoramic, double panoramic, quad, corridor, E-PTZ) | |
| Video 3 channel (available with a future firmware version) | E-PTZ | |
| Multiple lower resolution | ns available and individually | selectable per channel |

Multiple lower resolutions available and individually selectable per channel and stream

| Video functions | |
|-----------------------------|--|
| Day/Night | Color, Monochrome, Auto (adjustable switchover points) |
| Adjustable picture settings | Contrast, Saturation level and control, Brightness, Sharpness |
| White Balance | 2500 to 10000K, 3 automatic modes (Basic, Standard, Sodium vapor), Manual mode and Hold mode |
| Shutter | Automatic Electronic Shutter (AES) |
| | Default shutter (1/30 [1/25] to 1/500) selectable |
| Backlight compensation | Off / On |
| Noise reduction | Dynamic Noise Reduction |
| Privacy Masking | Eight independent areas, fully programmable |
| Scene modes | Multiple default modes with scheduler |
| Pre-positions | Six independent sectors (available with a future firmware version) |
| Display stamping | Individual names and stamps for all video channels |
| Other functions | Pixel counter, Video watermarking, Location |
| Video content analysis | |
| A i - t | |

| Video content analysis | |
|-----------------------------|--|
| Analysis type | Intelligent Video Analytics, Camera Trainer |
| Alarm rules (combinable) | Any object, Object in field, Line crossing, Enter / leave field, Loitering, Follow route, Idle / removed object, Counting, Occupancy, Crowd density estimation, Condition change, Similarity search, Flow / counter flow |
| Object filters | Duration, Size, Aspect ratio, Speed, Direction, Color, Object classes (4) |

| Video content analysis | |
|------------------------------|--|
| Tracking modes | Standard (2D) tracking, 3D tracking, 3D people tracking, Ship tracking, Museum mode |
| Object classes | Person, car, bike, truck |
| Calibration / Geolocation | Automatic, based on gyro sensor and camera height |
| Audio Al | Gunshot detection, glass-break detection, loud noises detection (available with a future firmware version) |
| Night vision | |
| Distance | 20 m (66 ft) |
| LED | 360° LED high efficiency array, 850 nm |
| IR intensity | 5 controllable zones |
| Optical | |
| Lens | 1.155 mm fixed-focus lens F2.0 (6 MP) 1.26 mm fixed-focus lens F2.0 (12 MP) |
| Lens mount | Board mounted |
| Iris control | Fixed iris |
| Day/Night | Switchable IR-cut filter |
| Field of view | 182° (H) x 182° (V) |
| Minimum object distance | 0.1 m |
| Local storage | |
| Internal RAM | 5 s pre-alarm recording |
| Memory card slot | Micro SDXC / SDHC / SD card |
| Industrial SD cards | Extreme lifetime and health monitoring support (if supported by the SD card) that provides early service indication. |
| Input/output | |
| Audio line in | 0.707 Vrms max, 10 kOhm typical |
| Audio line out | 0.707 Vrms at 16 Ohm typical |
| Alarm input | 1 input |
| Alarm input activation | Short or DC 5V activation |
| Alarm output | 1 output |
| | |

| Input/output | | |
|--|--|--|
| Alarm output voltage | 30 VDC, max. load 0.5 A | |
| Video output for HDMI- compatible devices | Micro HDMl connector and 1080p resolution with dewarped viewing possibilities (dewarped viewing available with a future firmware version) | |
| Microphone | Integrated array with 3 digital MEMS audio sensors | |
| Ethernet | RJ-45 | |
| Fiber optics (sold separately) | The Fiber Optic Ethernet Media Converter kit (VG4-SFPSCKT) installed inside a Surveillance Cabinet (NDA-U-PA0, NDA-U-PA1 or NDA-U-PA2) provides the fiber optic interface to the mounted camera. | |
| Audio streaming | | |
| Standard | G.711, 8 kHz sampling rate | |
| | L16, 16 kHz sampling rate | |
| | AAC-LC, 96 kbps at 32/48 kHz sampling rate | |
| Signal-to-Noise Ratio | >50 dB | |
| Audio Streaming | Full-duplex / half duplex | |
| Platform | | |
| Common product platform | CPP14 | |
| Data security | | |
| Secure Element ("TPM") | RSA 4096 bit, AES/CBC 256 bit | |
| PKI | X.509 certificates | |
| Encryption | Full end-to-end encryption with supported VMS Network: TLS1.0/1.1/1.2, AES128, AES256 Local storage: XTS-AES | |
| Video authentication | checksum, MD5, SHA-1, SHA-256 | |
| Firmware protection | Signed firmware, secure boot | |
| 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, noip.com), SMTP, iSCSI, UPnP (SSDP), DiffServ (QoS), LLDP, SOAP, Dropbox™, CHAP, digest authentication | |

| Connectivity Aut Interoperability ON ON Mechanical Dimensions (Ø x H) 148 Lens adjustment (rotation) 358 Weight 0.8 | 32 kg (1.81 lbs) ite (RAL9003) |
|---|--|
| Interoperability ON ON Mechanical Dimensions (Ø x H) 144 Lens adjustment (rotation) Weight 0.8 Color Wh | VIF Profile S ONVIF Profile G ONVIF Profile M VIF Profile T 8 x 70 mm (5.83 x 2.76 in) 50 82 kg (1.81 lbs) ite (RAL9003) |
| Mechanical Dimensions (Ø x H) 148 Lens adjustment (rotation) Weight 0.8 Color Wh | VIF Profile T 8 x 70 mm (5.83 x 2.76 in) 50 82 kg (1.81 lbs) ite (RAL9003) |
| Dimensions (Ø x H) 148 Lens adjustment (rotation) 359 Weight 0.8 Color Wh | 50 32 kg (1.81 lbs) ite (RAL9003) |
| Lens adjustment (rotation) Weight 0.8 Color Wh | 50 32 kg (1.81 lbs) ite (RAL9003) |
| (rotation) Weight 0.8 Color Wh | 32 kg (1.81 lbs) ite (RAL9003) |
| Color Wh | ite (RAL9003) |
| 1111 | |
| Gyrosensor Yes | ; |
| | |
| | ycarbonate, clear with UV blocking anti- atch coating |
| | minum with dehumidifying membrane and terproof connection area |
| | unting plate included for surface mount, 4- h square junction box, single and double gang |
| | mpatible with conduit back box for 3/4-inch T (M25) conduit side entry (sold separately) |
| Environmental | |
| | on: -40 °C to +50 °C (-40 °F to 122 °F) off: -40 °C to +55 °C (-40 °F to 131 °F) |
| Storage temperature -40 | °C to +70 °C (-40 °F to 158 °F) |
| | to 93% RH non-condensing to 100% RH condensing |
| Storage humidity Up | to 98% RH |
| Impact protection IK1 | 0 |
| Ingress protection IP6 | 6 and NEMA Type 4X |
| Sustainability PV0 | C free |
| Country of origin Tha | ailand |

Ordering information

NDS-5703-F360LE Fixed dome 6MP 360° IP66 IR

360° 6MP panoramic camera with HDR, IVA, microphone array for Audio AI, video output for HDMI-compatible devices, H.265, vandal and weather protection Order number NDS-5703-F360LE | F.01U.385.630

NDS-5704-F360LE Fixed dome 12MP 360° IP66 IR

360° 12MP panoramic camera with HDR, IVA, microphone array for Audio Al, video output for HDMIcompatible devices, H.265, vandal and weather protection

Order number NDS-5704-F360LE | F.01U.385.631

Accessories

NDA-5080-PIP Pendant interface plate, 148mm

Pendant interface plate for FLEXIDOME panoramic 5100i IR Order number NDA-5080-PIP | F.01U.389.607

NDA-5080-PIPW Pendant interface plate, 148mm

Pendant interface plate with weather cap for FLEXIDOME panoramic 5100i IR Order number NDA-5080-PIPW | F.01U.394.003

NDA-U-WMT Pendant wall mount

Universal wall mount for dome cameras, white Order number NDA-U-WMT | F.01U.324.939

NDA-U-WMP Wall mount plate

Back plate for universal wall mount, corner mount and pole mount, white, IP66

Order number **NDA-U-WMP | F.01U.324.950**

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

Universal pipe mount for dome cameras, 31 cm, white Order number NDA-U-PMT | F.01U.324.940

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

Extension for universal pipe mount, 50 cm, white Order number NDA-U-PMTE | F.01U.324.941

NDA-U-PMTS Pendant pipe mount, 4" (11 cm)

Universal pendant pipe mount for dome cameras, 11 cm (4"), white

Order number NDA-U-PMTS | F.01U.385.046

NDA-U-PSMB Pendant wall/ceiling mount SMB

Surface mount box (SMB) for wall mount or pipe mount. Order number NDA-U-PSMB | F.01U.324.942

NDA-U-PMAS Pole mount adapter small

Pole mount adapter small

Universal pole mount adapter, white; small.

Order number NDA-U-PMAS | F.01U.324.943

NDA-U-PMAL Pole mount adapter large

Universal pole mount adapter, white; large Order number NDA-U-PMAL | F.01U.324.944

NDA-5080-PC Paintable cover, F360E, 4pcs

Paintable cover FLEXIDOME panoramic 5100i IR

Order number NDA-5080-PC | F.01U.394.004

NDA-5080-TM Tilt mount 20-deg, 148mm

Tilt mount (20°) for FLEXIDOME IP 4000i / 5000i (IR) and FLEXIDOME panoramic 5100i IR camera families Order number NDA-5080-TM | F.01U.389.606

NDA-U-CBB Conduit back box, 148mm

Outdoor conduit back box, 148mm, IP66 rated Order number **NDA-U-CBB | F.01U.394.006**

NDA-U-CMT Corner mount adapter

Universal corner mount, white

Order number NDA-U-CMT | F.01U.324.946

NDA-U-PMTG Pendant pipe mount, gang box

Universal pipe mount, compatible with gang box installation for fixed dome cameras only, white Order number NDA-U-PMTG | F.01U.358.359

NDA-U-WMTG Pendant wall mount, gang box

Universal wall mount, compatible with gang box installation for fixed dome cameras only, white Order number **NDA-U-WMTG | F.01U.358.358**

NPD-3001-WAP Portable installation tool

Bosch camera portable and wireless installation tool Order number **NPD-3001-WAP | F.01U.353.329**

NPD-5001-POE Midspan, 15W, single port, AC in

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 | F.01U.305.288

NPD-5004-POE Midspan, 4 port x 15W, AC in

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

Weight: 620 g (1.4 lb)

Order number NPD-5004-POE | F.01U.305.289

VG4-SFPSCKT Ethernet to SFP interface kit

Ethernet media converter video transmitter/data receiver fiber optic kit for AUTODOME cameras, for MIC-IP-PSU for MIC analog cameras and for the Surveillance cabinets (NDA-U-PA0, NDA-U-PA1 and NDA-U-PA2).

Order number VG4-SFPSCKT | F.01U.142.529

SFP-2 Fiber module, multimode, 1310nm, 2LC

SFP Fiber Optic Module, 2 km (1.2 miles), 2 LC connectors.

Multi-mode

1310 mm

Order number SFP-2 | F.01U.136.537

SFP-3 Fiber module, single-mode, 1310nm, 2LC

SFP Fiber Optic Module, 20 km (12.4 miles), 2 LC connectors.

Single-mode

1310 nm

Order number SFP-3 | F.01U.136.538

SFP-25 Fiber module, 1310/1550nm, 1SC

SFP Fiber Optic Module, 2 km (1.2 miles), 1 SC

connector

Multi-mode

1310/1550 nm

Order number SFP-25 | F.01U.136.541

Represented by:

Europe, Middle East, Africa: Bosch Security Systems B.V. P.O. Box 80002 5600 JB Eindhoven, The Netherlands Phone: + 31 40 2577 284 www.boschsecurity.com/xc/en/contact/ www.boschsecurity.com

Germany:

Bosch Sicherheitssysteme GmbH Robert-Bosch-Ring 5 85630 Grasbrunn Tel.: +49 (0)89 6290 0 Fax:+49 (0)89 6290 1020 de.securitysystems@bosch.com www.boschsecurity.com

North America:

Bosch Security Systems, LLC 130 Perinton Parkway Fairport, New York, 14450, USA Phone: +1 800 289 0096 Fax: +1 585 223 9180 onlinehelp@us.bosch.com www.boschsecurity.com

SFP-26 Fiber module, 1550/1310nm, 1SC

SFP Fiber Optic Module, 2 km (1.2 miles), 1 SC connector Multi-mode

1550/1310 nm

Order number SFP-26 | F.01U.136.542

MSD-064G IP SECURITY MICROSD CARD 64GB

64 GB industrial microSD card with health status monitoring

Order number MSD-064G | F.01U.394.680

MSD-128G IP SECURITY MICROSD CARD 128GB

128 GB industrial microSD card with health status monitoring

Order number MSD-128G | F.01U.394.681

MSD-256G IP SECURITY MICROSD CARD 256GB

256 GB industrial microSD card with health status monitoring

Order number MSD-256G | F.01U.394.682

Services

EWE-FDP51R-IW 12 mths wrty ext Flexidome Pan 5100i IR

12 months warranty extension
Order number EWE-FDP51R-IW | F.01U.397.323

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security Systems 11 Bishan Street 21 Singapore 573943 Phone: +65 6571 2808 Fax: +65 6571 2699 www.boschsecurity.com/xc/en/contact/ www.boschsecurity.com