

NDP-5533-Z30L PTZ 4MP HDR 30x IP66 PENDANT IR

AUTODOME IP starlight 5100i IR



Specially designed for covertness, and tuned for applications where surveillance in scenes with changing light levels is necessary, the camera has an integrated 30X optical zoom to identify people at a distance of more than 280 m (919 ft).

The new HDR technology (HDR X) is ideal for PTZ cameras. With the motion-optimized HDR feature, operators can use HDR imaging in scenes with challenging light levels without seeing blur when the camera is moving.

With a 1/1.8-inch HD sensor and integrated IR and white light illumination, the camera provides superior low-light and no-light performance for outstanding image quality with sharp focus details and excellent color reproduction even under challenging lighting conditions.

The integrated, rain-sensing wiper automatically wipes water from the camera window to ensure outstanding image quality in bad weather.

Functions

Outstanding image quality

The 1/1.8-inch CMOS HD sensor combines outstanding sensitivity and sophisticated noise suppression with High dynamic range of 133dB. The camera provides superior low-light performance as well as outstanding image quality, with sharp focus details and excellent color reproduction even under challenging lighting conditions.











- ▶ 30X, 4MP high detail at fast speeds (60 fps)
- ➤ Starlight technology with 1/1.8 inch HD sensor for excellent low-light performance
- ► HDR X technology with up to 133dB dynamic range and fewer motion-related artifacts
- ► Combination of 320 m (1050 ft) IR (850 nm) + White light LEDs
- ► Rain-sensing wiper for improved images in rain and in dirty urban conditions

Pre-programmed user modes

The camera has several pre-configured scene modes with the best settings for various applications. With one click, users can optimize image settings to match the camera's lighting conditions. Users can also configure individual image settings.

- · Standard: For indoor fluorescent lighting.
- Sodium-lighting: For scenarios where the video is captured under sunlight in the day or under sodium vapor lamp at night.
- Vibrant: For enhanced contrast, sharpness, and saturation
- LPR: For applications to capture reflective number plates in combination with IR lighting.

HDR X - High Dynamic Range

HDR X is a new technology that combines unique sensor functionality and advanced algorithms. It is a huge leap forward in capturing high-quality video of moving objects in scenes with a large dynamic range. It also allows HDR imaging at lower light levels in which traditional HDR technologies are non-functional.

This is possible because the HDR X - Motion optimized mode takes two different readouts from one exposure to capture details in both the highlights and the shadows of the scene, instead of blending multiple exposures as do standard HDR technologies. Blending multiple exposures reduces sharpness and creates unwanted imaging artifacts on moving objects. HDR-X resolves these issues, providing a crisp image with improved dynamic range.

In case an even larger dynamic range is required, HDR X - Optimized DR or HDR X - Extreme DR will further increase performance to an absolute maximum by adding another fast exposure. This combines the benefits from HDR X - Motion optimized and traditional HDR.

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.

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.

Recording and storage management

Recording management can be controlled by the Bosch Video Recording Manager application, or the camera can use local storage and iSCSI targets directly without any recording software.

A memory card with a maximum of 32 GB (microSDHC) / 2 TB (microSDXC) can be used for recording at the edge or for Automatic Network Replenishment (ANR) technology to improve the overall recording reliability.

Pre-alarm recording in RAM reduces bandwidth consumption on the network and extends the effective life of the memory card.

Essential Video Analytics on the edge

The camera includes the latest release of Essential Video Analytics application from Bosch for use on Pre-positions.

The Essential Video Analytics application provides reliable video analytics for small and medium business, large retail stores, commercial buildings, and warehouses.

Advanced tasks like multiple line crossing, loitering, idle / removed object detection, crowd density estimation, occupancy and people counting are available for live alarming and forensic search. Object filters based on size, speed, direction, aspect ratio, and color can be defined.

A simplified calibration mode reduces installation time significantly, because you only need to enter the installation height once for each camera, independent of pre-positions.

After the camera is calibrated, the analytics engine can automatically classify objects as upright person, car, bike, or truck.

Sophisticated alarm responses

The camera supports advanced alarm control that uses sophisticated rules-based logic to determine how to manage alarms. In its most basic form, a rule could define which input(s) should activate which output(s). In a more complex form, inputs and outputs can be combined with pre-defined or user-specified commands to perform advanced camera functions.

Superior privacy masking

The camera allows for a total of 32 individual privacy masks, with up to eight masks displayed in the same scene. Each mask can be programmed with eight corners. Each mask changes size and shape smoothly and quickly, ensuring that the covered object cannot be seen.

With the AUTO Privacy Mask, the color of the Privacy Mask will adapt to the color of the surroundings.

Dual-mode Illumination

The camera has an integrated, long-life, infrared (IR) Illuminator and White light LEDs.

The illuminator enables viewing of objects even in total darkness, ensuring high-quality images regardless of the lighting conditions.

The illuminator allows Detection of objects at a maximum distance of 320 m (1049 ft) with infrared (850 nm) and 60 m (196 ft) with White light. The following table identifies the application for each type of LED.

| Application | Type of illuminator |
|------------------------------|-----------------------|
| Close-range illumination | 850 nm wide IR LEDs |
| Long-range illumination | 850 nm narrow IR LEDs |
| Identification and deterrent | White light LEDs |

IR illuminator

As ambient light decreases in the scene, the camera switches to monochrome mode and automatically activates the IR LEDs of the illuminator.

The IR mode AUTO can steer IR beam dynamically to match the illumination coverage and intensity with the camera's field of view.

Beam intensity is controlled automatically or manually, depending on user preference. Decreasing intensity reduces overexposure.

For close-range illumination, the wide angle IR LED will strengthen to cover the whole scene. With the increase of camera lens zoom ratio, the narrow angle of IR LED intensity will be increased.

A spotlight mode is provided to allow IR illuminator to brighten the center of the camera's field of view.

White light illuminator

White light mode allows operators to capture full scene details in color.

Operators can turn the White light LEDs on and off as necessary, especially to use as a deterrent effect.

Operators have the option to set automatic timeout of the White light mode. After this mode times out, the illuminator will operate in IR mode. Operators can disable the White light functionality permanently or by sector in order to prevent activation in situations where White light might create a hazardous situation such as distracting a driver on a highway.

Snap to zoom

Drawing a box in the image will trigger the camera to zoom to the correct position.

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:

| DORI | n | istance to obje | act |
|--|------------------|---------------------|-------------------|
| | | istance to obje | |
| | WIDE 1X | TELE 30X | Scene width |
| Detection 25 px/m (8 px/ft) | 91 m (300 ft) | 2794 m (9167 ft) | 102 m (336 ft) |
| Observation 63 px/m (19 px/ft) | 36 m (119 ft) | 1109 m (3638 ft) | 41 m (133 ft) |
| Recognition 125 px/m (38 px/ft) | 18 m (60 ft) | 559 m (1834 ft) | 20 m (67.2 ft) |
| Identification 250 px/m (76 px/ft) | 9 m (30 ft) | 280 m (919 ft) | 10 m (33.6 ft) |

Data security

Special measures are necessary to ensure the highest level of security for device access and data transport. On initial setup, the camera is only accessible over secure channels. You must set a service-level password in order to access camera functions.

Web browser and viewing client access can be protected using HTTPS or other secure protocols that support state-of-the-art TLS 1.2 protocol with updated cipher suites, including AES encryption with 256 bit keys. No software can be installed in the camera, and only authenticated firmware can be uploaded. A three-level password protection with security recommendations allows users to customize device access. Network and device access can be protected using 802.1x network authentication with EAP/TLS protocol. Superior protection from malicious attacks is guaranteed by the Embedded Login Firewall, on-board Trusted Platform Module (TPM) and Public Key Infrastructure (PKI) support.

The advanced certificate handling offers:

- 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.

Software sealing

After camera configuration is set it should not be changed, and system administrators can enable software protection to seal the camera configuration. Any change of the sealing status or of the static configuration, accidental or intentional, will break the seal. The camera then sends an alarm message that the video management system can use to start an appropriate alarm scenario. The camera creates a separate log file of all changes that have an effect on the sealing status.

System integration and ONVIF conformance

The camera conforms to the ONVIF Profile S, ONVIF Profile G and ONVIF Profile T 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.

PTZ drive and mechanism

The camera supports 256 pre-positions and two styles of Guard Tours: Pre-position and Record/ Playback. The Pre-position tour has capability for up to 256 pre-positions with a configurable dwell time between pre-positions and can be customized as to the order and the frequency that each Pre-position is visited. The camera also provides support for two (2) recorded tours, which have a total duration of 15 minutes of movements. These are recorded macros of an operator's movements, including pan, tilt, and zoom activities, and can be played back in a continuous manner.

Pan and tilt preset repeatability are accurate to within ± 0.1 degrees to ensure that the correct scene is captured every time. The camera delivers maximum pan speed of 240 degrees per second and maximum tilt speed of 100 degrees per second. The camera is capable of manual pan speeds as low as 0.1 degrees per second. The camera provides a pan range of up to 360 degrees continuous rotation.

Ease of installation and servicing

The camera has been designed for quick and easy installation, a key feature of IP video products from Bosch. All housings feature recessed screws and latches for increased tamper resistance.

Bosch designed the camera with the knowledge that field cables and mounts are installed before the camera is mounted. The hinge design allows one

person to hook the camera to the mount. One person can connect the cables directly to the camera without re-routing cables.

The pendant housing is rated to provide IP66 protection and offers an operating temperature range down to -40° C (-40° F). The pendant camera comes fully assembled with a sunshield and ready for pendant arm or pipe applications with the proper mounting hardware (sold separately).

Bosch offers a full complement of hardware and accessories (sold separately) for wall, corner, mast, roof, pipe mount, and in-ceiling applications for indoor and outdoor environments, which allow the camera to be adapted easily to individual site requirements.

Regulatory information

For a full list of all related certifications/standards, refer to the Product Test Reports, available on the online catalog, on the Documents tab of the product page for your device. If the document is unavailable on the product page, contact your sales representative.

| Standard | Туре |
|-------------------------------------|---|
| Electromagnetic Compatibility (EMC) | FCC Part 15, ICES-003 EN 55032:2015 + A11: 2020 + A1: 2020 EN 50130-4:2011/A1:2014 EN 50121-4 |
| Product Safety | Complies with UL, CE, CSA, EN, and IEC standards including: UL 62368-1, 3rd Ed EN 62368-1:2020+A11:2020 CAN/CSA-C22.2 No. 62368-1-19, 3rd Ed IEC 62368-1:2018 Ed.3 IEC 62471:2006 |
| Image performance | IEC 62676-5 |
| Color representation | ITU-R BT.709-6 |
| ONVIF conformance | EN 50132-5-2, EN 62676-2 |
| HD | SMPTE 296M-2001 (Resolution: 1280x720) SMPTE 274M-2008 (Resolution: 1920x1080) |
| Marks | BIS; CE; CMIM; FCC; RCM; China RoHS; UL; VCCI; WEEE |
| Compliance | NDAA compliant TAA compliant |

| Region | Regulatory compliance/quality marks | |
|--------|-------------------------------------|---|
| Europe | CE | Declaration of Conformity (DoC) - AUTO- DOME 5100i |

| Region | Regulatory compliance/quality marks | |
|---------------|-------------------------------------|---|
| Global | IEC 62443 | Industrial Cyber Security Capability |
| USA | UL CAP | Cybersecurity Assurance Program |
| Great Britain | UKCA | UK Declaration of Conformity (DoC) - AUTODOME IP starlight 5100i, IR |

Installation/configuration notes



Fig. 1: Wall mount with surveillance cabinet (IP66)

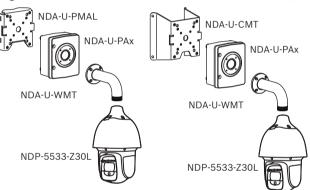


Fig. 2: Pole mount (IP66), corner mount (IP66)

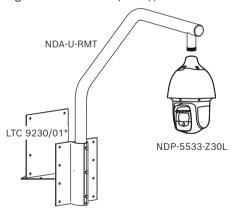
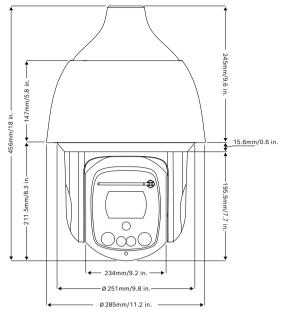


Fig. 3: Roof mount (IP66)
*optional for flat roof mount
For more options, see Quick Selection Guide:
Camera accessories.



Dimensions in mm (inch)

Parts included

| Quantity | Component |
|----------|---------------------------------------|
| 1 | AUTODOME IP starlight 5100i IR camera |
| 1 | Screwdriver, T15 Torx |
| 3 | MAC address labels |
| 1 | Pendant interface plate |
| 2 | M4 screw |
| 1 | IP66 kit |
| 1 | PE foam |
| 1 | 3/16" Allen key (Hex key) |
| 1 | Quick Installation Guide |
| 1 | Safety instructions |

Technical specifications

Sensor

| Sensor type | 1/1.8 inch CMOS |
|--------------------------|-----------------|
| Total sensor pixels | 4 MP approx. |
| Effective pixels (H x V) | 2,688 x 1,520 |

Sensitivity

| Low light technology | starlight |
|----------------------|-----------|
|----------------------|-----------|

| Measuring method | IEC 62676 Part (1/30, F1.6) |
|------------------|-----------------------------|
| Color (lx) | 0.0101 lx |
| Monochrome (lx) | 0.0016 lx |
| With IR | 0.0 lx |

Optical

| Lens zoom (x) | 30x motorized zoom |
|------------------------------|--------------------|
| Digital zoom (x) | 16x |
| Lens aperture (/F) | 1.5 /F - 4.8 /F |
| Lens focal length (mm) | 6.6 mm – 198 mm |
| Horizontal field of view (°) | 2.1° – 58.5° |

Night vision

| 4 |
|--------------------------------------|
| 850 nm |
| 10° FWHM (narrow) 54° FWHM (wide) |
| 1,050 ft |
| 320 m |
| 2 |
| 5600-6300K |
| 55° FWHM |
| 90 lux |
| 197 ft |
| 60 m |
| |

PTZ functions

| Pan range (°) | 0° – 360° continuous |
|-------------------------------------|----------------------|
| Pan speed (°/s) | 0.1°/s - 240°/s |
| Pre-position accuracy (average) (°) | 0.10° |

| Pre-position speed (°/s) | Pan: 240°/s \mid Tilt: 100°/s Note: When the operating temperature of the camera is below 0 °C, the maximum pre-position speed will be 120°/s to keep pre-position accuracy. |
|--------------------------|---|
| Tilt speed (°/s) | 0.1°/s - 100°/s |
| Tilt Angle | -90° to 5° (Auto-flip 190°) |

Platform

| Common Product Platform | CPP7.3 |
|-------------------------|--------------------------|
| Memory (MB) | 512 MB RAM, 256 MB Flash |

Video streaming

| Resolution | 1920 x 1080; 1280 x 1024; 1280 x 720; 768 x 432; 512 x 288; 256 x 144; 704 x 576; 640 x 480; 2560 x 1440 |
|-------------------|--|
| Frame rate (fps) | 30 fps - 60 fps |
| Overall IP delay | 60 fps: 166 ms (typical) 30 fps: 233 ms (typical) |
| Type of stream | High resolution H.26x stream; M-JPEG stream; I-frame only from stream 1 |
| Video compression | H.264 (ISO/IEC 14496-10); M-JPEG; H.265/HEVC |
| GOP structure | IP; IBP; IBBP |

Video functions

| WDR technology | HDR X |
|---|---|
| High Dynamic Range (HDR) (dB) | 133 dB |
| Measured according to IEC 62676 Part 5 (dB) | 108 dB |
| Day/night modes | Auto; Color; Monochrome |
| Gain control | AGC, Variable 6 dB to 78 dB |
| Camera functionality | Backlight compensation (BLC); Intelligent auto exposure; Intelligent dynamic noise reduction; Intelligent defog |
| Video signal-to-noise ratio (dB) | >55 dB |
| White balance modes | Basic; Standard; Dominant color; Manual mode; Sodium lamp auto |

| Number of privacy masks | 32 individually configurable Privacy Masks; maximum 8 per Pre-position; programmable with 3, 4 or 5 corners; selectable color of Black, White or Gray, as well as an "Auto" option in which the camera selects the most prevalent of the three colors in the background scene as the pattern color |
|-----------------------------|--|
| Privacy masks pattern | Black; White; Gray; Auto color |
| Shutter modes | Automatic Electronic Shutter (AES) |
| Shutter speed | 0.64 sec to 1/66,666 sec |
| Backlight compensa- tion | On/Off; Intelligent Auto Exposure (IAE) |
| Number of pre-positions | 256 |
| Number of sectors | 16 |
| Scene modes | Standard; Sodium lighting; Vibrant; License plate recognition |
| (Guard) Tours | Custom recorded tours: two (2) Pre-position tours, maximum total duration 30 minutes: one (1), consisting of up to 256 scenes consecutively; one (1), customized up to 256 user-defined scenes |
| Defog mode feature | Improves visibility when viewing foggy or other low-contrast scenes. |

Video content analysis

| Analysis type | Essential Video Analytics |
|----------------|---|
| Configurations | Silent VCA; Profile 1; Profile 2; Scheduled; Event triggered |
| Alarm triggers | 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 |
| Object filters | Duration; Size; Aspect ratio; Speed; Direction; Color; Object classes (4) |

Storage

| Internal storage | Memory card micro SD |
|------------------|------------------------|
| Memory card slot | Micro SDHC; Micro SDXC |

Inputs and outputs

| Ethernet | Shielded RJ45 |
|--------------|---------------|
| Alarm inputs | 2 |

| Alarm outputs | 1 |
|-------------------------|---|
| Number of audio inputs | 1 |
| Number of audio outputs | 1 |

Audio

| Compression and sampling rate | G.7118 kHz; L16 16 kHz; AAC; 16kHz |
|-------------------------------|------------------------------------|
| Audio input | Line-in |
| Audio output | Line-out |

Network

| Ethernet type | 10/100BASE-T |
|----------------------------|---|
| Protocols / stand- ards | IPv4; IPv6; UDP; TCP; HTTP; HTTPS; RTP/RTCP; IGMP V2/V3; ICMP; ICMPv6; RTSP; FTP; DHCP; APIPA (Auto-IP, link local address); SNMP (V1, MIBII); SNMP (V3, MIBII); 802.1x, EAP/TLS; DNS; DNSv6; DDNS (DynDNS.org, selfHOST.de, no-ip.com); SMTP; iSCSI; DiffServ (QoS); LLDP; SOAP; CHAP; Digest authentication |
| Conformity | ONVIF Profile S; ONVIF Profile G; ONVIF Profile T |

Data security

| Crypto coprocessor (TPM) | AES/CBC 256 bit |
|--------------------------|---|
| PKI | X.509 certificates |
| End-to-end encryption | Full end-to-end with supported VMS |
| Encryption | TLS 1.2; TLS 1.1; AES 256; AES 128; TLS 1.3 |
| Local storage encryption | XTS-AES |
| Video authentication | MD5; SHA-1; SHA-256; Checksum |
| Firmware protection | Signed firmware; Secure reboot |
| | |

Operation

| Software compatibility | Web browser; Bosch Configuration Manager; Bosch Video Management System; Project Assistant; Video Security Client (VSC); Video Recording Manager. |
|------------------------|--|
| | cording Manager |

Electrical

| Type of power supply | VAC; PoE |
|----------------------|----------|
| Input voltage (VAC) | 24 VAC |

| Power consumption VAC (VA) (typical – maximum) | 29.5 VA – 55.2 VA |
|---|---|
| Power consumption VAC (W) (typical – max- imum) | 21.2 W - 39.4 W |
| Power consumption PoE (W) (typical – maximum) | 21.2 W - 39.4 W |
| PoE input | PoE++ IEEE 802.3bt, Type 3 standard PoE+ IEEE 802.3at Type 2 standard (no heater, half il- luminator intensity) |
| Surge protection | Built-in; for power, data, and video and alarm inputs |

Note: When using 24 VAC or IEEE 802.3bt, the camera operates at maximum power consumption (heater on, illuminator on to full intensity of IR and White light).

Environmental

| IP rating | IP66 |
|---|-----------------|
| Impact protection | IK10 |
| Operating temperature (°C) | -40 °C - 60 °C |
| Operating temperature (°F) | -40 °F – 140 °F |
| Operating relative humidity, non-condensing (%) | 5% - 93% |
| Storage temperature (°C) | -40 °C - 60 °C |
| Storage temperature (°F) | -40 °F – 140 °F |
| Country of origin | Portugal |

Construction

| Dimensions (Ø x H) (mm) | 285 mm x 456 mm |
|-------------------------|-----------------------|
| Dimensions (Ø x H) (in) | 11 in x 18 in |
| Weight (kg) | 9.90 kg |
| Weight (lb) | 21.80 lb |
| Material | Aluminum |
| Color (RAL) | RAL 9003 Signal white |

Ordering information

NDP-5533-Z30L PTZ 4MP HDR 30x IP66 PENDANT IR

PTZ dome camera, 4MP HDR, 30x optical zoom, clear, IP66 pendant, IR

NDAA and TAA compliant. Order number NDP-5533-Z30L

Accessories

UPA-2450-50 PSU, 220VAC 50Hz, 24VAC 50VA out

Indoor power supply for camera. 220 VAC, 50 Hz in; 24 VAC, 50 VA out

Order number UPA-2450-50

UPA-2450-60 PSU, 120VAC 60Hz, 24VAC 50VA out

Indoor power supply for camera. 120 VAC, 60 Hz In; 24 VAC, 50 VA Out

Order number UPA-2450-60

NPD-6001B Midspan, 60W, single port, AC in

60 W indoor midspan for cameras without illuminators Order number NPD-6001B

NDA-U-PA0 Surveillance cabinet 24VAC

Surveillance cabinet, 24 VAC input, 24 VAC output, IP66 Order number NDA-U-PA0

NDA-U-PA1 Surveillance cabinet 120VAC

Surveillance cabinet, 100 - 120 VAC 50/60 Hz input, 24 VAC output, IP66

Order number NDA-U-PA1

NDA-U-PA2 Surveillance cabinet 230VAC

Surveillance cabinet, 230 VAC input, 24 VAC output, **IP66**

Order number NDA-U-PA2

NDA-U-WMT Pendant wall mount

Universal wall mount for dome cameras, white

Order number NDA-U-WMT

NDA-U-WMP Wall mount plate

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

Order number NDA-U-WMP

NDA-U-CMT Corner mount adapter

Universal corner mount, white Order number NDA-U-CMT

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

NDA-U-PSMB Pendant wall/ceiling mount SMB

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

Order number NDA-U-PSMB

NDA-U-PMAS Pole mount adapter small

Pole mount adapter small

Universal pole mount adapter, white; small.

Order number NDA-U-PMAS

NDA-U-PMAL Pole mount adapter large

Universal pole mount adapter, white; large Order number NDA-U-PMAL

NDA-U-RMT Pendant parapet mount

Universal roof mount for dome cameras, white, for outdoor usage

Order number NDA-U-RMT

VG4-SFPSCKT Ethernet to SFP interface kit

Ethernet media converter video transmitter/data receiver fiber optic kit for AUTODOME 7000i cameras and for the Surveillance cabinets (NDA-U-PAO, NDA-U-PA1 and NDA-U-PA2).

Order number VG4-SFPSCKT

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

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

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

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

Software Options

MVS-FCOM-PRCL License key for serial protocol

Serial Protocol Software License (e-license) for IP Cameras

Order number MVS-FCOM-PRCL

Services

EWE-AD5HD-IWMP 12 mths wrty ext AD IP 5000 mov

12 months warranty extension Order number EWE-AD5HD-IWMP



https://www.boschsecurity.com