

FLEXIDOME indoor 5100i



- ▶ Up to 4K ultra HD for highly detailed image
- ▶ Starlight camera technology with excellent low-light performance
- ▶ IVA Pro brings highly reliable deep-learning based detection of persons and vehicles to scenes ranging from sterile zones to crowded and congested
- ▶ High Dynamic Range to see every detail in both bright and dark areas of the scene

The camera is a versatile and professional surveillance camera for indoor monitoring. It delivers exceptional image quality, starlight performance and High Dynamic Range at resolution up to 4K ultra HD for highly detailed image for demanding security and surveillance network requirements.

Built-in Intelligent Video Analytics Pro (IVA Pro) enriches full situational awareness and triggers relevant alerts. The cameras offer a 1/2.7" or 1/2.8" sensor and HDR technology at HD 1080p, 5 MP, or 8 MP resolution that provides high performance in extreme low light environments.

The modular structure design uses a click and rotate mechanism on mounting plate or base that requires no hardware to secure the camera to housing for fast installation, including compatibility with various mounting options.

Functions

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 has become the new compression standard of choice for IP video surveillance systems.

Intelligent Video Analytics Pro (IVA Pro)

The camera comes with IVA Pro Buildings pre-installed and brings highly reliable deep-learning based detection and tracking of persons and vehicles to scenes ranging

from sterile zones to crowded and congested. Being extremely resistant to false triggers caused by challenging environments with rain, wind (moving trees), snow, hail, and water reflections as well as shadows and bugs, it reliably detects, tracks, and classifies objects. A smart set of alarm and counter rules allows to alert you when predefined alarms are triggered, and to forensically search with high efficiency through recordings. Configuration effort is minimized and made easy by removing the need for calibration.

Optionally the camera can be licensed with IVA Pro Perimeter or IVA Pro Traffic to optimize the camera analytics for specific enterprise use-cases.

Two-way audio

Two-way audio allows the operator to communicate with visitors or intruders via an external audio line input and output. By using the external microphone, audio detection can be used to generate alarms to alert the security operator quicker and act more proactively.

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:

2 MP camera with 3.2-10.5 mm lens*

DORI	DORI definition	Distance 3.2 mm / 10.5 mm	Horizontal width
Detect	25 px/m (8 px/ft)	31 m / 138 m (102 ft / 453 ft)	77 m (252 ft)
Observe	63 px/m (19 px/ft)	12 m / 55 m (39 ft / 180 ft)	30 m (100 ft)
Recognize	125 px/m (38 px/ft)	6 m / 28 m (20 ft / 92 ft)	15 m (50 ft)
Identify	250 px/m (76 px/ft)	3 m / 14 m (10 ft / 46 ft)	8 m (25 ft)

*The numbers in this table do not reflect IVA distances. For IVA distances, refer to the lens calculator / Bosch IP video design tool.

5 MP camera with 3.2-10.5 mm lens*

DORI	DORI definition	Distance 3.2 mm / 10.5 mm	Horizontal width
Detect	25 px/m (8 px/ft)	48 m / 200 m (147 ft / 656 ft)	104 m (341 ft)
Observe	63 px/m (19 px/ft)	19 m / 79 m (62 ft / 259 ft)	41 m (135 ft)
Recognize	125 px/m (38 px/ft)	10 m / 40 m (33 ft / 131 ft)	21 m (69 ft)
Identify	250 px/m (76 px/ft)	5 m / 20 m (16 ft / 66 ft)	10 m (33 ft)

*The numbers in this table do not reflect IVA distances. For IVA distances, refer to the lens calculator / Bosch IP video design tool.

8 MP camera with 3.2-10.5 mm lens*

DORI	DORI definition	Distance 3.2 mm / 10.5 mm	Horizontal width
Detect	25 px/m (8 px/ft)	62 m / 275 m (203 ft / 902 ft)	154 m (505 ft)
Observe	63 px/m (19 px/ft)	25 m / 109 m (82 ft / 358 ft)	61 m (200 ft)
Recognize	125 px/m (38 px/ft)	12 m / 55 m (39 ft / 180 ft)	31 m (102 ft)
Identify	250 px/m (76 px/ft)	6 m / 28 m (20 ft / 92 ft)	15 m (49 ft)

*The numbers in this table do not reflect IVA distances. For IVA distances, refer to the lens calculator / Bosch IP video design tool.

Scene modes

Multiple configurable modes are provided with the best settings for a variety of applications. In one click fully optimized image settings can be selected to suit the conditions. Different scene modes can be selected for different situations such as sodium lighting, fast moving objects, or dark environments.

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

The camera is suitable for indoor usage. The camera can operate in a wide ambient temperature range between -20 °C to +50 °C (-4 °F to +122 °F).

The robust design of the camera is rated to IP54 and IK10 standards, safeguarding the camera against rain and dust while also offering protection against vandalism and tampering.

Easy installation

The mechanical design follows the Bosch installation philosophy by using an installation mount plate and easy cable management.

Power can be supplied via Power-over-Ethernet. With this configuration, only a single cable connection is required to view, power, and control the camera. Using PoE makes installation easier and more cost effective, as cameras do not require a local power source.

For trouble-free network cabling, the camera supports Auto-MDIX which allows the use of straight or cross-over cables.

The AVF (Automatic Varifocal) feature makes it easy for installers to adjust zoom position without opening the camera. The automatic motorized zoom/focus adjustment with 1:1 pixel mapping ensures the camera is always accurately focused.

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. With future firmware updates, it will also support RSA encryption key lengths of up to 4096 bits, ensuring data safety beyond 2030. 802.1x network authentication with EAP/TLS will also be added. 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

More flexibility in streaming capabilities

The camera has four independent encoder streams. Users can do the following:

- Configure each stream individually to change the video resolution and the frame rate
- Select the coding standard (H.264/H.265) for each stream
- Configure a set of eight encoder profiles for each stream

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.

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.

Automatic image rotation

The integrated gyro/accelerometer sensor automatically corrects the image orientation in steps of 90° if the camera is mounted at right angles or upside down. The sensor image can also be rotated manually through steps of 90°. To efficiently capture details in long hallways without loss of resolution, mount the camera at right angles. The image is displayed upright at full resolution on your monitor.

System Integration and ONVIF conformance

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

Modular accessories

A full line of modular accessories is available, which 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 an in-ceiling mounting kit.

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. 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.

Project Assistant app

As the camera is equipped with a USB-C port for a wireless USB dongle (sold separately: NCA-WLAN-EU, NCA-WLAN-NA), the installer can easily perform the initial configuration wirelessly. Using a mobile device with the Bosch Project Assistant app, you can do initial set-up and lens zoom-focus to find the right scene. Simply connect the wireless USB dongle and go to the Bosch Project Assistant app, available for iOS, Windows, or Android.

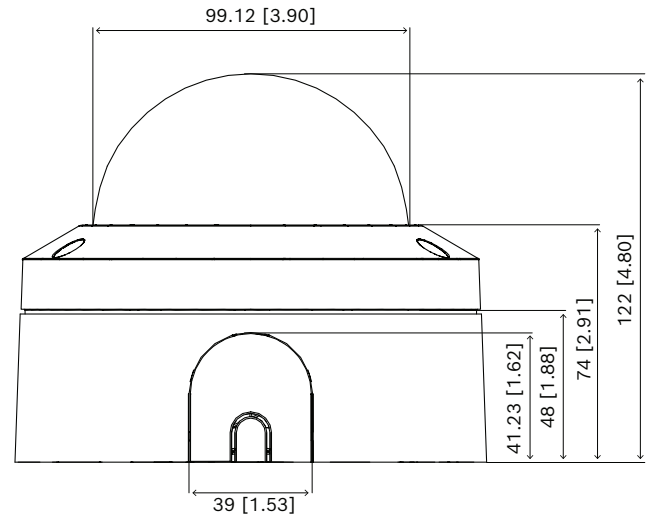
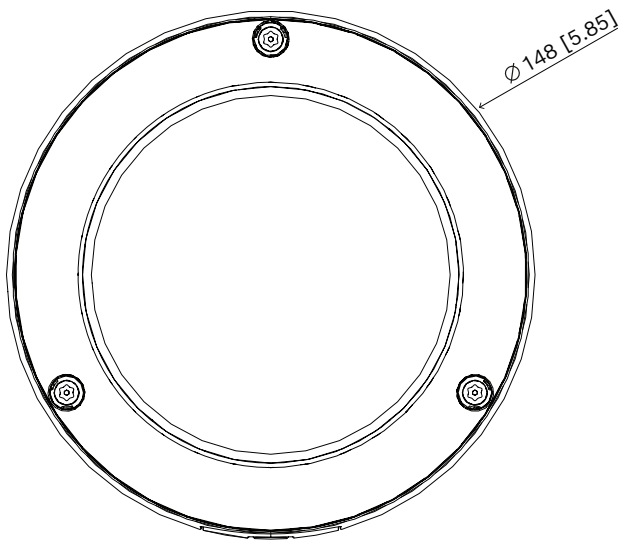
Regulatory information

Type	Standard
Emission	EN 55032 (Class B) CFR 47 FCC part 15 (Class B) ICES-003 (Class B) VCCI CISPR 32 AS/NZS CISPR 32
Immunity	EN 50121-4 EN 50130-4
Environmental	EN 50130-5, Class II EN IEC 63000 RoHS EU, 2011/65/EU and 2015/863/EU WEEE EU, 2012/19/EU
Safety	EN 62368-1

Type	Standard
	IEC 62368-1 UL 62368-1
Image performance	IEC 62676-5
Impact protection	EN 62262 (IK10): 2002
Ingress protection	EN 60529 (IP54)
ONVIF conformance	EN 50132-5-2, EN 62676-2
Marks	CE, FCC, UL, WEEE, RCM, VCCI, UKCA, China RoHS, BIS
Compliance	NDAA compliant

Region	Regulatory compliance/quality marks	
Europe	CE	
USA	UL 2900-2-3 CAP	4791462681-003 Cybersecurity Assurance Program
Global	IEC 62443-4-1	Industrial Cyber Security Capability
Great Britain	UKCA	

Installation/configuration notes



Dimensions in mm (inch)

Technical specifications

Sensor

Sensor 2 MP	
Sensor type	1/2.8-inch CMOS
Effective pixels	1920 (H) x 1080 (V)

Sensor 5 MP	
Sensor type	1/2.7-inch CMOS
Effective pixels	2688 (H) x 1944 (V)

Sensor 8 MP	
Sensor type	1/2.8-inch CMOS
Effective pixels	3864 (H) x 2192 (V)

Sensitivity

Video performance - Sensitivity 2 MP	
Measured according to IEC 62676 Part 5 (1/25, F1.6)	
Color	0.021 lx
Mono	0.004 lx

Video performance - Sensitivity 5 MP	
Measured according to IEC 62676 Part 5 (1/25, F1.6)	
Color	0.044 lx
Mono	0.010 lx

Video performance - Sensitivity 8 MP	
Measured according to IEC 62676 Part 5 (1/25, F1.6)	
Color	0.046 lx

Video performance - Sensitivity 8 MP	
Mono	0.015 lx

Dynamic range

Video performance - Dynamic range 2 MP	
High Dynamic Range	144 dB WDR
Measured according to IEC 62676 Part 5	105 dB WDR

Video performance - Dynamic range 5 MP	
High Dynamic Range	120 dB WDR
Measured according to IEC 62676 Part 5	105 dB WDR

Video performance - Dynamic range 8 MP	
High Dynamic Range	120 dB WDR
Measured according to IEC 62676 Part 5	103 dB WDR

Optical

Optical	
Lens type	3.2 to 10.5 mm P-iris (IR corrected) lens F-stop: 1.6
Day / Night	Switchable IR-cut filter
Adjustment	Motorized zoom / focus
Iris control	P-iris control
Viewing angle (2 MP)	Horizontal field of view: 105° - 31° Vertical field of view: 57° - 18°
Viewing angle (5 MP)	Horizontal field of view: 96° - 29° Vertical field of view: 71° - 22°
Viewing angle (8 MP)	Horizontal field of view: 105° - 31° Vertical field of view: 57° - 18°

Platform

Platform	
Common product platform	CPP14
Memory (MB)	2048 MB RAM, 8192 MB Flash

Video streaming

Video streaming	
Video compression	H.265; H.264; M-JPEG

Video streaming	
Streaming	Multiple configurable streams in H.264 or H.265 and M-JPEG, configurable frame rate and bandwidth, Bosch Intelligent Streaming
Camera latency	2MP: <70 ms (at 1080p60) 5MP: <120 ms (at 5MP30) 8MP: <120 ms (at 8MP30) (Camera-internal latency only, achievable with settings excluding all image enhancements)
GOP structure	IP, IBP, IBBP
Frame rate	2MP: 1 to 60 fps 5MP: 1 to 30 fps 8MP: 1 to 30 fps
Signal-to-Noise Ratio (SNR)	>55 dB

Video resolution (H x V) 2 MP	
1080p HD	1920 × 1080
Upright mode 1080p	1080 × 1920
1.3 MP (16:9)	1536 × 864
Upright mode 1.3 MP (16:9)	864 × 1536
720p	1280 × 720
Upright mode 720p	720 × 1280
SD	768 × 432

Video resolution (H x V) 5 MP	
5 MP (4:3)	2592 × 1944
Upright mode 5 MP	1944 × 2592
4 MP (4:3)	2304 × 1728
Upright mode 4 MP	1728 × 2304
2.8 MP (4:3)	1920 × 1440
Upright mode 2.8 MP	1440 × 1920
1.2 MP (4:3)	1280 × 960
Upright mode 1.2 MP	960 × 1280
480p SD	640 × 480
3.8 MP (16:9)	2592 × 1456
Upright mode 3.8MP	1456 × 2592
1080p HD	1920 × 1080
Upright mode 1080p	1080 × 1920

Video resolution (H x V) 5 MP

1.3MP (16:9)	1536 × 864
Upright mode 1.3MP	864 × 1536
720p	1280 × 720

Video resolution (H x V) 8 MP

4K UHD	3840 × 2160
Upright mode 4K UHD	2160 × 3840
6MP	3264 × 1840
Upright mode 6MP	1840 × 3264
4MP	2688 × 1612
Upright mode 4MP	1612 × 2688
1080p HD	1920 × 1080
1.3 MP	1536 × 864
HD 720p	1280 × 720
SD 432p	768 × 432

Video functions

Video functions	
Day / Night	Color, Monochrome, Auto (adjustable switch points)
Adjustable picture settings	Contrast, Saturation level and control, Brightness, Sharpness, Intelligent Defog
White Balance	2500 to 10000K, 3 automatic modes (Basic, Standard, Sodium vapor), Manual mode and Hold mode
Shutter	Automatic Electronic Shutter (AES); Fixed (1/25[30] to 1/15000) selectable; Default shutter
Backlight compensation	On / off
Electronic image stabilization (gyro-based)	On / off
Privacy Masking	Eight independent areas, fully programmable
Scene modes	Multiple default modes with scheduler
Other functions	Image mirror, Pixel counter, Video watermarking, Display stamping, Location
Camera rotation	Automatic detection with manual override (0 / 90 / 180 / 270)

Video content analysis

Video content analysis	
Analysis type	IVA Pro Buildings; IVA Pro Privacy
Alarm rules (combinable)	Any object, Object in field, Line crossing, Enter / leave field, Loitering, Follow route, Objects stopping or starting to move, Counting, Occupancy, Condition change, Similarity search
Object filters	Duration, Size, Aspect ratio, Direction, Color, Object classes
Object classes	Available by default: Person, Vehicle Available with optional IVA Pro Pack: Bicycle, Motorcycle, Truck, Bus
Audio detection	Detection of audio to generate an alarm
Supported analytics (license)	IVA Pro Perimeter; IVA Pro Traffic; IVA Pro Appearance; IVA Pro Personal Protective Equipment; IVA Pro Visual Gun Detection

Storage

Local storage	
Internal RAM	5 s pre-alarm recording
Memory card slot	Supports up to 32 GB microSDHC / 2 TB microSDXC card. (A memory card of Class 6 or higher is recommended for HD recording)
Industrial SD cards	Extreme lifetime and health monitoring support (if supported by the SD card) that provides early service indication
Recording	Continuous recording, ring recording, alarm / events / schedule recording

Inputs and outputs

Input/output	
Audio line in	0.6 Vrms max, 10 kOhm typical
Audio line out	1.0 Vrms at 10 kOhm typical
Ethernet	RJ45
USB	USB 2.0 Type C, for use with wireless USB dongle for setup and commissioning (sold separately)

Audio

Audio streaming	
Standard	G.711, 8 kHz sampling rate L16, 16 kHz sampling rate AAC-LC, 48 kbps at 16 kHz sampling rate AAC-LC, 80 kbps at 16 kHz sampling rate
Signal-to-Noise Ratio	>50 dB
Audio Streaming	Full-duplex / half duplex

Network

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), Diff-Serv (QoS), LLDP, SOAP, CHAP, digest authentication
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; ONVIF Profile M

Data security

Data security	
Crypto coprocessor (TPM)	AES/CBC 256 bit, RSA 4096 bit
PKI	X.509 certificates
End-to-end encryption	Full end-to-end with supported VMS
Encryption	TLS 1.2; AES 256; AES 128; TLS 1.3
Local storage encryption	XTS-AES
Video authentication	checksum, MD5, SHA-1, SHA-256
Firmware protection	Signed firmware, secure boot

Electrical

Power	
Input voltage	Power-over-Ethernet (48 VDC nominal)
Power consumption typical/maximum (2 MP)	PoE: 4.8 W / 6 W
Power consumption typical/maximum (5 MP)	PoE: 5.2 W / 6.2 W
Power consumption typical/maximum (8 MP)	PoE: 6.4 W / 6.8 W
PoE input	PoE IEEE 802.3af / 802.3at Type 1, Class 3

Mechanical

Mechanical	
3-axis adjustment (pan / tilt / rotation)	355° / 85° / 350°
Dimensions (Ø x H)	148 x 122 mm (5.83 x 4.8 in.)
Weight (approx.)	920 g (2.03 lb)

Mechanical

Color	RAL 9003
Gyrosensor	Yes
Bubble material	Polycarbonate, clear with anti-scratch coating
Material	Polycarbonate, re-paintable
Mounting	Mount plate included for surface mount, 4-inch square junction box, single and double gang box, 1/4-inch 20 UNC screw thread
Conduit	3/4-inch NPT(M25) and 1/2-inch NPT (M20) conduit side entry

Environmental

Environmental	
Operating temperature	-20 °C to +50 °C (-4 °F to +122 °F) for continuous operation
Cold start temperature	-20 °C (-4 °F)
Storage temperature	-30 °C to +70 °C (-22 °F to +158 °F)
Humidity	5% to 93% RH non condensing 5% to 100% RH condensing
Storage humidity	Up to 98% RH
Impact protection	IK10
Ingress protection	IP54
Sustainability	PVC-free
Country of origin	Thailand

Ordering information**NDV-5702-A Fixed dome 2MP HDR 3.2-10.5mm**

Professional IP fixed dome camera for indoor 60 fps surveillance with H.264/H.265 and IVA Pro Buildings, 2 MP, IP54, IK10
NDAA compliant
Order number **NDV-5702-A**

NDV-5703-A Fixed dome 5MP HDR 3.2-10.5mm

Professional IP fixed dome camera for indoor 30 fps surveillance with H.264/H.265 and IVA Pro Buildings, 5 MP, IP54, IK10
NDAA compliant
Order number **NDV-5703-A**

NDV-5704-A Fixed dome 8MP HDR 3.2-10.5mm

Professional IP fixed dome camera for indoor 30 fps surveillance with H.264/H.265 and IVA Pro Buildings, 8 MP, IP54, IK10
NDAA compliant
Order number **NDV-5704-A**

Accessories

NDA-5070-IC In-ceiling mount kit

In-ceiling mount kit for FLEXIDOME indoor 5100i, FLEXIDOME indoor 5100i IR, FLEXIDOME outdoor 5100i, and FLEXIDOME outdoor 5100i IR
Order number **NDA-5070-IC**

NDA-5070-PLEN In-ceiling plenum kit, 148mm

Plenum-rated in-ceiling mount kit for FLEXIDOME indoor 5100i, FLEXIDOME indoor 5100i IR, FLEXIDOME outdoor 5100i, and FLEXIDOME outdoor 5100i IR
Order number **NDA-5070-PLEN**

NDA-5070-LWMT L shape wall mount for FLEXIDOME 5100i

L-shaped wall mount for FLEXIDOME indoor 5100i, FLEXIDOME indoor 5100i IR, FLEXIDOME outdoor 5100i, FLEXIDOME outdoor 5100i IR, and FLEXIDOME IP 3000i IR
Order number **NDA-5070-LWMT**

NDA-5080-PIP Pendant interface plate, 148mm

Pendant interface plate for FLEXIDOME indoor 5100i, FLEXIDOME indoor 5100i IR, and FLEXIDOME panoramic 5100i IR
Order number **NDA-5080-PIP**

NDA-5070-PC Paintable cover, FLEXIDOME 5100i, 4pcs

Paintable cover (4 pieces) for FLEXIDOME 5100i and FLEXIDOME 5100i IR
Order number **NDA-5070-PC**

NDA-5070-CBL Bubble, clear for FLEXIDOME 5100i

Clear replacement bubble for FLEXIDOME indoor 5100i and FLEXIDOME outdoor 5100i
Order number **NDA-5070-CBL**

NDA-5070-TBL Bubble, tinted for FLEXIDOME 5100i

Tinted bubble for FLEXIDOME indoor 5100i and FLEXIDOME outdoor 5100i
Order number **NDA-5070-TBL**

NDA-U-CBB Conduit back box, 148mm

Outdoor conduit back box, 148mm
Order number **NDA-U-CBB**

NDA-U-CMT Corner mount adapter

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

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-PSMB Pendant wall/ceiling mount SMB

Surface mount box (SMB) for wall mount or pipe mount.
Order number **NDA-U-PSMB**

NDA-U-WMT Pendant wall mount

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

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**

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-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**

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**

NPD-3001-WAP Portable installation tool

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

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**

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**

MSD-064G IP SECURITY MICROSD CARD 64GB

64 GB industrial microSD card with health status monitoring
Order number **MSD-064G**

MSD-128G IP SECURITY MICROSD CARD 128GB

128 GB industrial microSD card with health status monitoring
Order number **MSD-128G**

MSD-256G IP SECURITY MICROSD CARD 256GB

256 GB industrial microSD card with health status monitoring
Order number **MSD-256G**

MNT-ICP-FDC Drop ceiling support kit for FLEXIDOME

Suspension ceiling support kit for FLEXIDOME IP 2000/4000/5000/5100i/7000 (except RD series) and panoramic 5000/7000 series cameras
Order number **MNT-ICP-FDC**

NCA-WLAN-EU Wireless installation dongle EU

Wireless installation dongle for wireless commissioning
Order number **NCA-WLAN-EU**

NCA-WLAN-NA Wireless installation dongle NA

Wireless installation dongle for wireless commissioning for North America

Order number **NCA-WLAN-NA**

Software Options**MVC-IVA-PER IVA Pro Perimeter**

Video analytics software for mission-critical perimeter security.

Order number **MVC-IVA-PER**

MVC-IVA-TRA IVA Pro Traffic

Video analytics software based on deep neural network technology for traffic monitoring and Automatic Incident Detection.

Order number **MVC-IVA-TRA**

MVC-IVA-PPE IVA Pro PPE

Video analytics software based on deep neural network technology for detecting personal protective equipment.

Order number **MVC-IVA-PPE**

MVC-IVA-APC IVA Pro Appearance

Video analytics software based on deep neural network technology for detailed person appearance attributes allowing advanced forensic search.

Order number **MVC-IVA-APC**

MVC-IVA-VGD IVA Pro Visual Gun Detection

Video analytics software based on deep neural network technology, designed to detect upright persons and brandished guns.

Order number **MVC-IVA-VGD**



<https://www.boschsecurity.com>