FLEXIDOME outdoor 5100i IR

- ▶ 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
- ▶ Built-in intelligent IR illuminator with up to 45 m (148 ft) viewing distance

The camera is a versatile and professional surveillance camera for outdoor 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 with a built-in active infrared illuminator 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 reliable 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 efficiently though 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 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 locked via a secure license key.

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)

DORI	DORI definition	Distance 3.2 mm / 10.5 mm	Horizontal width
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 outdoor usage. The camera can operate in a wide ambient temperature range between -40 ºC up to +55 ºC (-40 ºF up to +131 ºF).
The robust design of the camera is rated to IP66, NEMA 4X, 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 SMB 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.

Hybrid mode (not available for all product variants)
An analog video output enables the camera to operate in hybrid mode. This mode provides simultaneous high resolution HD video streaming and an analog video output via an SMB connector. The hybrid functionality offers an easy migration path from legacy CCTV to a modern IP-based system.

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.

IR Illumination
The device offers integrated intelligent infrared (IR) capability, on top of adaptive power based on-the-scene content. The IR range covers a distance of up to 45 m (148 ft) for the 2 MP and 5 MP cameras and a distance of up to 40 m (132 ft) for the 4K UHD camera.
The IR coverage is always optimized for the scene in order to avoid over-exposure of objects that are close to the device.

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.
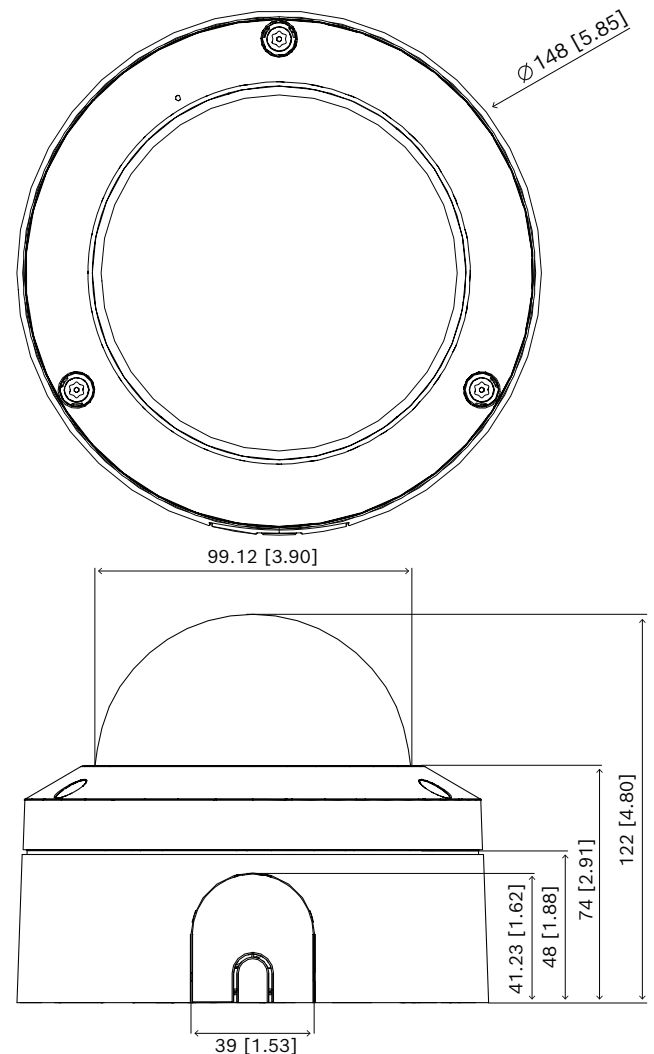
Project Assistant app

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 IV
	EN IEC 63000
	RoHS EU, 2011/65/EU and 2015/863/EU
	WEEE EU, 2012/19/EU
Safety	EN 62368-1
	IEC 62368-1
	UL 62368-1
	EN/IEC/UL 60950-22
	CAN/CSA-C22.2 No. 60950-22:17, Second Edition
Image performance	IEC 62676-5
Impact protection	EN 62262 (IK10): 2002
Ingress protection	EN 60529 (IP66)
	UL50E (NEMA Type 4X)
ONVIF conformance	EN 50132-5-2, EN 62676-2
IR lighting	IEC 62471
Marks	CE, FCC, UL, WEEE, RCM, VCCI, UKCA, China RoHS, BIS

Type	Standard
Compliance	NDAA compliant

Region	Regulatory compliance/quality marks	
Europe	CE	
Global	IEC 62443	Industrial Cyber Security Capability
USA	UL CAP	Cybersecurity Assurance Program
Great Britain	UKCA	

Installation/configuration notes

Dimensions in mm (inch)

Technical specifications

Power

Input voltage	Power-over-Ethernet; 24 VAC ± 10%; 12 VDC ± 10%

Power

Power consumption typical/maximum (2 MP)	PoE: 4.8 W / 7.3 W; 12 VDC: 4.08 W / 6.84 W; 24 VAC: 4.07 W / 6.75 W
Power consumption typical/maximum (5 MP)	PoE: 5.2 W / 7.5 W; 12 VDC: 4.68 W / 7.08 W; 24 VAC: 4.49 W / 7 W
Power consumption typical/maximum (8 MP)	PoE: 6.4 W / 8.9 W; 12 VDC: 5.88 W / 8.04 W; 24 VAC: 5.62 W / 8.22 W
PoE input	PoE IEEE 802.3af / 802.3at Type 1, Class 3

Platform

Common product platform	CPP14

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)

Video performance - Sensitivity 2 MP

Measured according to IEC 62676 Part 5 (1/25, F1.6)

Color	0.021 lx
Mono	0.004 lx
With IR	0.0 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
With IR	0.0 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
With IR	0.0 lx

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

Video streaming

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

Video resolution (H x V) 2 MP

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
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
2.8MP (4:3)	1920 × 1440

Video resolution (H x V) 8 MP

1080p HD	1920 × 1080
1.3 MP	1536 × 864
1.3 MP (5:4)	1280 × 1024
HD 720p	1280 × 720
SD 432p	768 × 432

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

Analysis type	Intelligent Video Analytics Pro Buildings
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

Video content analysis

Audio detection	Detection of audio to generate an alarm
Supported analytics	IVA Pro Perimeter (license); IVA Pro Traffic (license)

Night vision

IR function	On / Off / Auto / Intelligent
Distance 2 MP	45 m (148 ft)
Distance 5 MP	45 m (148 ft)
Distance 8 MP	40 m (132 ft)
LED	4 LED high efficiency array, 850 nm
IR intensity	Auto / manual adjustable

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: 105º - 31º Vertical field of view: 57º - 18º
Viewing angle (5 MP)	Horizontal field of view: 96º - 29º Vertical field of view: 71º - 22º
Viewing angle (8 MP)	Horizontal field of view: 105º - 31º Vertical field of view: 57º - 18º

Input / output

Analog video out (NDE-5702-AL and NDE-5703-AL)	SMB connector, CVBS (PAL/NTSC), 1 Vpp, 75 Ohm, approx. 500 TVL
Audio line in	0.6 Vrms max, 10 kOhm typical
Audio line out	1.0 Vrms at 10 kOhm typical
Audio input	Integrated digital MEMS microphone (can be permanently disabled)
Alarm input	1 input
Alarm input activation	Short or DC 3.3 V activation
Alarm output	1 output

Input / output

Alarm output voltage	40 VDC, max. load 1 A
Ethernet	RJ45
USB	USB 2.0 Type C, for use with wireless USB dongle for setup and commissioning (sold separately)

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

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

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

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,

Network

	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

Mechanical

3-axis adjustment (pan / tilt / rotation)	355º / 85º / 350º
Dimensions (Ø x H)	148 x 122 mm (5.83 x 4.8 in.)
Weight (approx.)	1130 g (2.49 lb)
Color	RAL 9003, RAL 9017
Gyrosensor	Yes
Bubble material	Polycarbonate, clear with anti-scratch and anti-reflection coating
Material	Aluminum with dehumidifying membrane and waterproof connection area
Mounting	Cable box 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

Operating temperature	-40 ºC to +55 ºC (-40 ºF to +131 ºF) for continuous operation
	Up to +74 C (+165 F) according to NEMA TS2-2003 (R2008), para 2.1.5.1 using fig. 2.2.7.3~2.2.7.7 test profile
Cold start temperature	-20 ºC (-4 ºF)
Storage temperature	-30 ºC to +70 ºC (-22 ºF to +158 ºF)
Humidity	5% to 93% RH non condensing
	5% to 100% RH condensing
Storage humidity	Up to 98% RH
Impact protection	IK10

Environmental

Ingress protection	IP66 and NEMA Type 4X
Sustainability	PVC-free
Country of origin	Thailand (non-GOV models), Taiwan (-GOV models)

Ordering information

NDE-5702-AL Fixed dome 2MP HDR 3.2-10.5mm IP66 IR IO
Professional IP fixed dome camera for outdoor 60 fps surveillance with H.264/H.265 and IVA Pro Buildings, 2 MP, IR, IP66, IK10
NDAA compliant
Order number **NDE-5702-AL**

NDE-5703-AL Fixed dome 5MP HDR 3.2-10.5mm IP66 IR IO
Professional IP fixed dome camera for outdoor 30 fps surveillance with H.264/H.265 and IVA Pro Buildings, 5 MP, IR, IP66, IK10
NDAA compliant
Order number **NDE-5703-AL**

NDE-5704-AL Fixed dome 8MP HDR 3.2-10.5mm IP66 IR IO
Professional IP fixed dome camera for outdoor 30 fps surveillance with H.264/H.265 and IVA Pro Buildings, 8 MP, IR, IP66, IK10
NDAA compliant
Order number **NDE-5704-AL**

NDE-5702-AL-GOV Fixeddome 2MP HDR 3.2-10.5mm IP66 IR GOV
Professional IP fixed dome camera for outdoor 60 fps surveillance with H.264/H.265 and IVA Pro Buildings, 2 MP, IR, IP66, IK10
NDAA compliant
TAA compliant
Order number **NDE-5702-AL-GOV**

NDE-5703-AL-GOV Fixeddome 5MP HDR 3.2-10.5mm IP66 IR GOV
Professional IP fixed dome camera for outdoor 30 fps surveillance with H.264/H.265 and IVA Pro Buildings, 5 MP, IR, IP66, IK10
NDAA compliant
TAA compliant
Order number **NDE-5703-AL-GOV**

NDE-5704-AL-GOV Fixeddome 8MP HDR 3.2-10.5mm IP66 IR GOV
Professional IP fixed dome camera for outdoor 30 fps surveillance with H.264/H.265 and IVA Pro Buildings, 8 MP, IR, IP66, IK10
NDAA compliant
TAA compliant
Order number **NDE-5704-AL-GOV**

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-PIPW Pendant interface plate with weather cap
Pendant interface plate including weather protector for
FLEXIDOME outdoor 5100i and
FLEXIDOME outdoor 5100i IR
Order number **NDA-5070-PIPW**

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-5070-PIP Pendant interface plate NDE-570*
Pendant interface plate for FLEXIDOME outdoor 5100i,
and FLEXIDOME outdoor 5100i IR
Order number **NDA-5070-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-CBLI Bubble, clear for FLEXIDOME 5100i IR
Clear replacement bubble for
FLEXIDOME indoor 5100i IR and
FLEXIDOME outdoor 5100i IR
Order number **NDA-5070-CBLI**

NDA-5070-TBLI Bubble, tinted for FLEXIDOME 5100i IR
Tinted bubble for FLEXIDOME indoor 5100i IR and
FLEXIDOME outdoor 5100i IR
Order number **NDA-5070-TBLI**

NDA-MCSMB-03M Cable, SMB to BNC, 0.3m
0.3 m (1 ft) analog cable, SMB (female) to BNC
(female) to connect camera to coaxial cable
Order number **NDA-MCSMB-03M**

NDA-MCSMB-30M Cable, SMB to BNC, 3.0m
3 m (9 ft) analog cable, SMB (female) to BNC (female)
to connect camera to coaxial cable
Order number **NDA-MCSMB-30M**

NDA-U-CBB Conduit back box, 148mm
Outdoor conduit back box, 148mm, IP66 rated
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**

NDA-U-RMT Pendant parapet mount
Universal roof mount for dome cameras, white, for
outdoor usage
Order number **NDA-U-RMT**

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**

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 suppport 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**

NDA-5070-COV Conduit cover for NDE-570*, 50pcs
Conduit cover without knockout for FLEXIDOME
outdoor 5100i and FLEXIDOME outdoor 5100i IR
Order number **NDA-5070-COV**

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**