



Video Systems Product Overview

November 2024

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[Fixed cameras](#)

[Moving cameras](#)

- Pro Application-specific AI
- 3 PERSONS
 - 13 VEHICLES
 - SPEED: 39 MPH
 - GPS LOCATION: 51.446382427409475, 5.4579124473605205
 - BRAND: PEUGEOT
 - MODEL: 504
 - 3YE / FLAMMABLE LIQUID
 - TOP COLOR: RED
 - HAIR LENGTH: SHORT
 - HARD HAT AND SAFETY VEST
 - GUN IN HAND

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Bosch Video Systems info



Learn about predictive-ready video systems

Guided by the Power to Predict



AI-driven Video Analytics

The next step in converting video data into insights at the edge



Data and cybersecurity

For a reliable and compliant video system

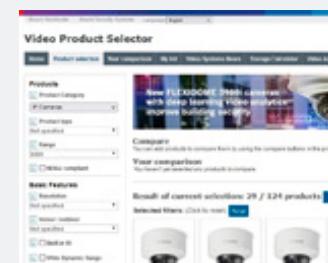


Enhance building security

AI-driven video systems and solutions can transform buildings into smart, efficient, safe environments

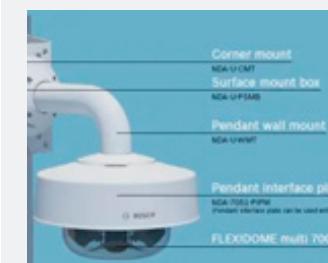


Sales tools



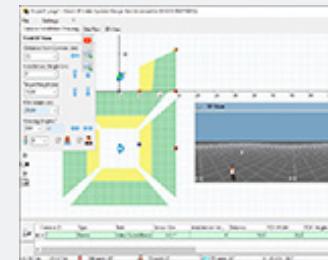
Video Product Selector

Find the right Bosch video products for your application. Compare products and accessories



Video Accessory Quick selection guide

Easily find the right accessory for your installation and determine the correct combination of accessories for the camera of your choice



Bosch IP Video System Design Tool

Design and plan your Bosch Video System in full detail and find the best camera locations



Building Information Modelling (BIM) files

Find all available BIM files in AutoDesl Revit



Video Storage calculator

Determine storage capacity requirements



Video Product Overview

Use our video product overview to have a quick look on our broad video systems portfolio and compare products based on their key features



Video Analytics and Lens calculator

Easily calculate how far a camera can see and at what distance it can detect objects with built-in video analytics



BVMS System Design Guide

Easily plan your BVMS system with Bosch cameras and storage



Our focus industries



Energy and utilities

Security and safety solutions for Critical Infrastructure



Intelligent Transportation Systems

Create a smarter, safer, more sustainable transportation ecosystem



Airports

Security solutions to manage incidents, support the business, and improve security



Railway and metro

Solutions to support operations, optimize passenger experience and improve security



More Video Systems resources



Video Systems News

The latest updates on new products, solutions or customer stories



Product catalog

Find datasheet, installation manuals and more in the product catalog



Customer stories

Take a look at customer success stories



Building Technologies Academy

Our training courses for integrators



Download Store

Download the latest software and firmware files



Where to buy

Use the dealer search to find your local partner



Marketing Asset Library

Access a wide variety of marketing communications material



Social media



LinkedIn



X



YouTube



Facebook



Our global technology partners



Bosch AI-driven Video Analytics

We offer a menu of Intelligent Video Analytics that deliver highly-accurate data, are easy to use, future proof, and integrate seamlessly with various video management systems. Whether your needs are simple or advanced, we always have an intelligent video analytics solution to choose from.

IVA Pro Buildings



- Reliable intrusion detection in busy scenes.
- Detect, classify, and count people and vehicles.

IVA Pro Perimeter



- Robust performance in challenging environmental and lighting conditions.
- Detect intruders early and reliably at long-distance.

IVA Pro Intelligent Tracking



- Detect, classify and track with precise detail, even while the camera is moving, and the object is standing still.

IVA Pro Personal Protective Equipment



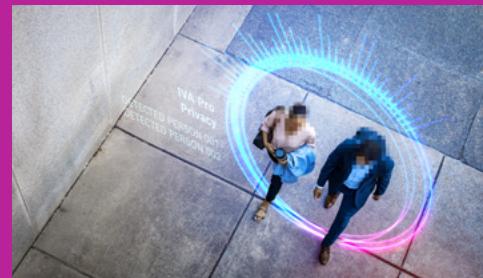
- Reliably detect personal protective equipment items on a specific person and promptly alert when missing.

IVA Pro Appearance



- Analyze (identify and collect) physical attributes, such as clothing items, hair color and length, etc.

IVA Pro Privacy



- A semi-transparent privacy mask ensures anonymization while still getting insights about moving objects in the area.

IVA Pro Visual Gun Detection



- Designed to detect people brandishing guns and promptly alert personnel.

IVA Pro Traffic



- Detects, classifies, and locates cars, motorcycles, bicycles, trucks, and buses in heavy traffic, day or night with high accuracy in challenging situations.
- Pedestrian and bicycle detection – to enable safety solutions for vulnerable road users.

IVA Pro License Plate Recognition



- Identifies, analyzes and extracts the metadata from vehicle license plates.

IVA Pro Vehicle make Model



- Detects and identifies the class, make and model of moving vehicles and their direction.

IVA Pro Dangerous Goods Sign



- Detects and recognizes the content of dangerous good signs (ADR) on moving vehicles (car, van, truck) at 95%+ accuracy levels.

IVA Pro LPR / Vehicle make Model / Dangerous Goods Signs



- Detailed vehicle data is crucial for traffic analysis, parking management, or fleet operations.
- By combining License Plate Recognition and Vehicle Make and Model, operators can gather richer data, such as the type of vehicles visiting a facility, patterns in vehicle types and their frequency, or specific brand distributions.

10 leading measures to help you build a reliable and compliant system

We embrace the highest standards when developing and manufacturing products, ensuring optimum data security and cyber resilience in every network-connected device. Since 2004, we have integrated crypto co-processors, certificates, closed operating systems, and signed firmware into all our products, including cameras, storage devices, and network communications.

1 Embedded login firewall

- Focus on blocking threats, not functionality
- An intelligent login firewall you can count on



2 Secure Element

- We set the standard with the most future-proof Secure Element with Trusted Platform Module (TPM) functionality
- Supports 4096-bit keys



3 Password enforcement

- Security first: set a password, then connect



4 Minimum TLS 1.2

- Transport Layer Security (TLS): a cryptographic protocol that provides secure communication
- A minimum version of TLS provides maximum security



5 Simple Certificate Enrollment Protocol (SCEP)

- Simplifies cybersecurity at scale
- An easy way to deploy and manage certificates on cameras



6 Software sealing

- Changes to a sealed camera configuration will trigger an alarm
- Protects against unintentional or unauthorized changes



7 Encrypted firmware

- Verifies firmware authenticity and prevents malware insertion



8 Cloud firmware check

- Stay up-to-date at all times
- Checks Download store for new firmware automatically



9 Session timeout

- Manage how long a configuration session can be left unattended



10 Secure by default

- Security by default, closed until you say it is open



Maximum resilience

Users can rely on BVMS for maximum resilience with continuous live video and playback, no matter the interruption. The video management system keeps operations running even if both management and recording servers fail. BVMS uses Advanced Encryption Standard (AES), preventing unauthorized access to sensitive data. It also offers extensive user management to ensure only authorized users can access video data.

UL 2900 2–3 Level 2 Certified

Standard for Safety and Software Cybersecurity for Network-Connectable Products

- Includes penetration testing on our products to probe for vulnerabilities
- Our certification is device specific up to level 3



Underwriters Laboratories

IEC 62443-4-1 Certified

Security for industrial automation and control systems

- Focuses on the processes and definitions around developing and creating secure products
- It proves that Bosch can ensure a secure development process



NDAA 2019, section 889(a)(1)(A) and (FAR) 52.225-5

US government regulations on purchasing and trade agreements

- Compliant with United States NDAA 2019, section 889(a)(1)(A)
- Adherence to the United States Federal Acquisition Regulation (FAR) 52.225-5 on Trade Agreements



Fixed cameras

Indoor

Essential Video Analytics

DINION IP starlight 6000 HD



NBN-63013-B
60 fps@720p,
starlight

DINION IP starlight 6000 HD



NBN-63023-B
60 fps@1080p,
starlight

DINION IP starlight 7000 HD



NBN-73013-BA
60 fps@720p,
starlight

DINION IP starlight 7000 HD



NBN-73023-BA
60 fps@1080p,
starlight

DINION IP starlight 8000 MP



NBN-80052-BA
30 fps@5MP,
starlight

FLEXIDOME micro 3100i



NUV-3702-Fxx
30 fps@1080p

Intelligent Video Analytics Pro

FLEXIDOME micro 3100i



NUV-3703-Fxx
30 fps@5MP

FLEXIDOME indoor 3100i



NDI-3702-A
2MP

FLEXIDOME indoor 3100i



NDI-3703-A
5MP

DINION IP ultra 8000 MP



NBN-80122-CA
30 fps@UHD

FLEXIDOME IP indoor 8000i



NDV-8502-R
1080p, HDR

FLEXIDOME IP indoor 8000i



NDV-8503-R
6MP, HDR

FLEXIDOME indoor 3100i IR



NDI-3702-AL
2MP

FLEXIDOME indoor 3100i IR



NDV-5702-A
60 fps@1080p



NDV-5702-AL
60 fps@1080p, IR

FLEXIDOME IP indoor 8000i



NDV-8504-R
4K UHD, HDR

FLEXIDOME IP indoor 8000i



NDV-8502-RX
1080p, starlight X,
HDR X

FLEXIDOME IP indoor 8000i



NDV-8503-RX
4.1MP, starlight X,
HDR X

FLEXIDOME indoor 5100i



NDV-5703-A
30 fps@5MP

FLEXIDOME indoor 5100i IR



NDV-5703-AL
30 fps@5MP, IR



NDV-5704-AL
30 fps@UHD 4K, IR

FLEXIDOME panoramic 5100i



NDS-5703-F360
30 fps@6MP

FLEXIDOME panoramic 5100i



Fixed cameras

Outdoor

Intelligent Video Analytics

DINION IP thermal 8000	DINION IP thermal 8000
	
NHT-8001-F VGA	NHT-8000-F QVGA

FLEXIDOME micro 3100i	FLEXIDOME micro 3100i	FLEXIDOME outdoor 3100i IR
		
NUE-3702-Fxx 30 fps@1080p	NUE-3703-Fxx 30 fps@5MP	NDE-3702-AL 2MP

FLEXIDOME outdoor 3100i IR	FLEXIDOME outdoor 5100i	FLEXIDOME outdoor 5100i IR
		
NDE-3703-AL 5MP	NDE-5702-A 60 fps@1080p	NDE-5702-AL 60 fps@1080p, IR

Intelligent Video Analytics Pro

FLEXIDOME IP starlight 8000i	FLEXIDOME IP starlight 8000i	FLEXIDOME corner 7100i	FLEXIDOME 8100i	FLEXIDOME 8100i	FLEXIDOME 8100i IR	FLEXIDOME 8100i	FLEXIDOME 8100i IR	FLEXIDOME 8100i	FLEXIDOME 8100i IR	FLEXIDOME 8100i	FLEXIDOME 8100i
											
NDE-8512-R(T) 1080p, starlight, HDR	NDE-8513-R(T) 6MP, starlight, HDR	NCE-7703-FK 30fps@6MP, IR	NDE-8702-RX(T) 2MP, X series	NDE-8702-RXL 2MP, X series	NDE-8703-RX(T) 4MP, X series	NDE-8703-RXL 4MP, X series	NDE-8703-R(T) 6MP	NDE-8703-RL 6MP	NDE-8704-R(T) 8MP	NDE-8704-RL 8MP	NDE-8704-RX 8MP, X series

FLEXIDOME IP starlight 8000i	FLEXIDOME IP starlight 8000i	FLEXIDOME 8100i IR	DINION 3100i IR	DINION 3100i IR	DINION 5100i IR	DINION 5100i IR	DINION 5100i IR	DINION 7100i IR	DINION 7100i IR	DINION 7100i IR	DINION 7100i IR
											
NDE-8514-R(T) 4K UHD, starlight, HDR	NDE-8512-RX(T) 1080p HDR X, starlight X	NDE-8704-RXL 8MP, X series	NBE-3702-AL 30 fps@1080p, IR	NBE-3703-AL 30 fps@5MP, IR	NBE-5702-AL 60 fps@1080p, IR	NBE-5703-AL 30fps@5MP, IR	NBE-5704-AL 30 fps@4K UHD, IR	NBE-7702-ALX 60 fps@1080p, IR	NBE-7702-ALXT 60 fps@1080p, IR	NBE-7703-ALX 60 fps@4MP, IR	NBE-7703-ALXT 60 fps@4MP, IR

FLEXIDOME IP starlight 8000i	DINION 7100i IR	DINION 7100i IR	FLEXIDOME panoramic 5100i IR	FLEXIDOME panoramic 5100i IR	FLEXIDOME multi 7000i	FLEXIDOME multi 7000i	FLEXIDOME multi 7000i IR	FLEXIDOME multi 7000i IR
								
NDE-8513-RX(T) 4MP HDR X, starlight X	NBE-7704-ALX 30 fps@8MP, IR	NBE-7704-ALT 30 fps@8MP, IR	NBE-7704-AL 30 fps@8MP, IR	NDS-5703-F360LE 30 fps@6MP	NDS-5704-F360LE 30 fps@12MP	NDM-7702-A 30 fps@4x 3MP	NDM-7703-A 30 fps@4x 5MP	NDM-7702-AL 30 fps@4x 3MP

Moving cameras

Indoor

Essential Video Analytics

AUTODOME IP 4000i



NDP-4502-Z12
60 fps@1080p

AUTODOME IP starlight 5000i



NDP-5512-Z30C
in-ceiling, 60 fps@1080p,
starlight

AUTODOME IP 4000i

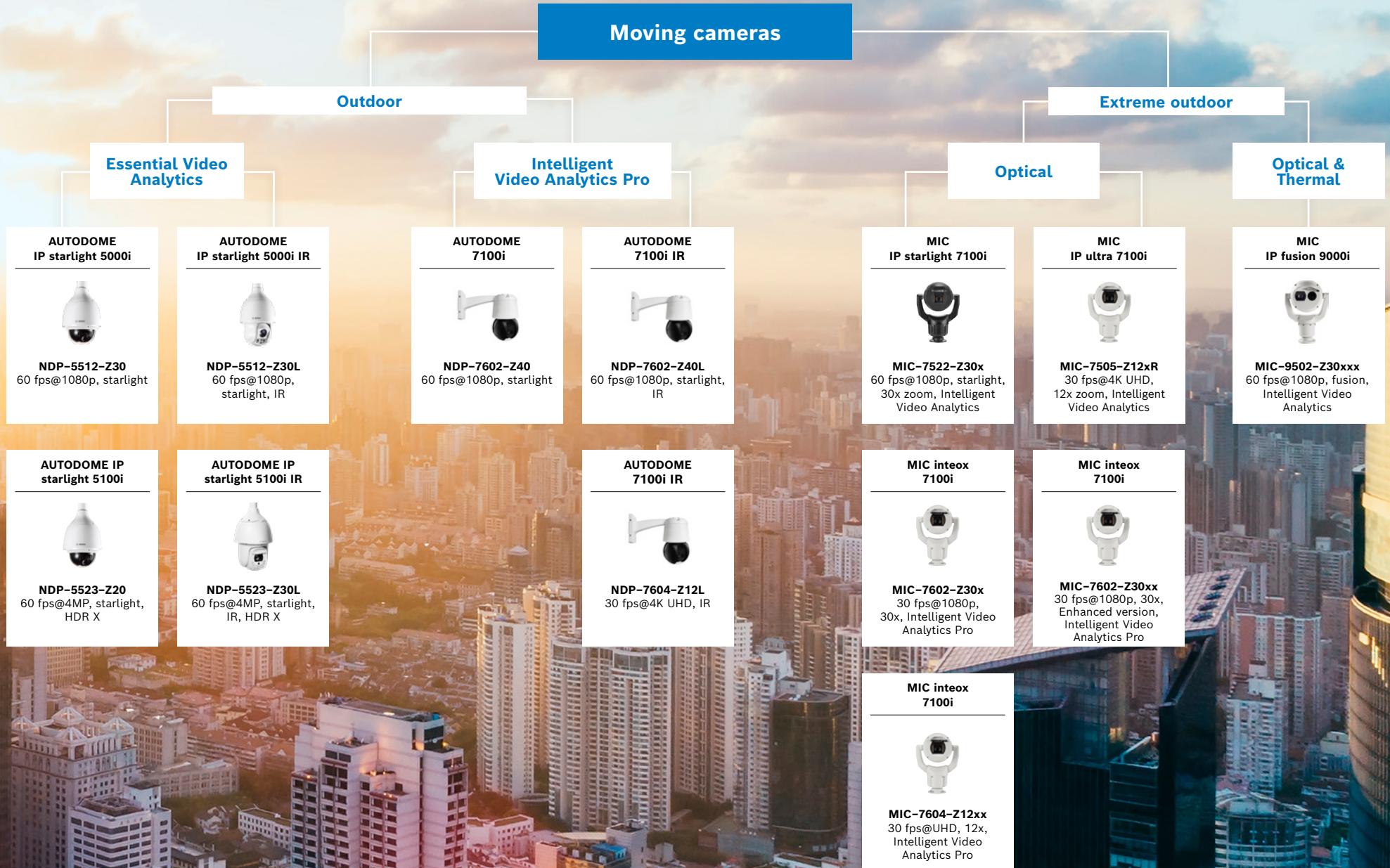


NDP-4502-Z12C
in-ceiling, 60 fps@1080p,
12x zoom

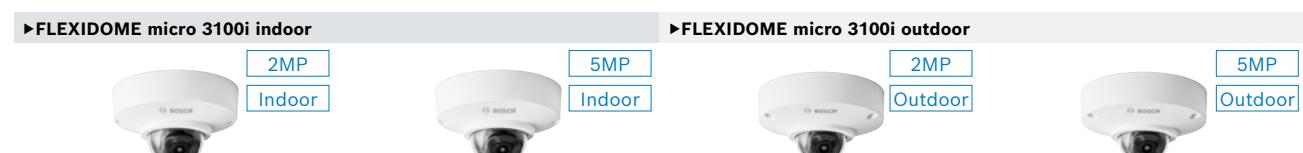
AUTODOME IP starlight 5100i



NDP-5523-Z20C
in-ceiling, 60 fps@4MP,
starlight, HDR X



Fixed dome cameras



■ Available – Not available

Commercial Type Number	NUV-3702-Fxx	NUV-3703-Fxx	NUE-3702-Fxx	NUE-3703-Fxx
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter	■ –	■ –	■ –
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs IVA Pro Privacy Intelligent Audio Analytics	– – – – – – –	– – – – – – –	– – – – – – –
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/2.8" 30fps 120dB ■ –	5MP 1/2.7" 30fps 120dB ■ –	2MP 1/2.8" 30fps 120dB ■ –
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ –	■ ■ –	■ ■ –
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	■ ■ 3 streams	■ ■ 3 streams	■ ■ 3 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.1 lux – –	0.15 lux – –	0.1 lux – –
Lens	Automatic varifocal Focal length Horizontal Field of View (HFOV)	– 2.49 mm / 3.2 mm / 6 mm 137° / 106° / 58.5°	– 2.49 mm / 3.2 mm / 6 mm 131.2° / 100.8° / 56.1°	– 2.49 mm / 3.2 mm / 6 mm 137° / 106° / 58.5°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	– – –	– – –	– – –
Housing	Weather rating Vandal resistant Operating temperature	– IK08 0 to 40°C	– IK08 0 to 40°C	IP66 IK10 -30 to 50°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	PoE	PoE
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–	–	–

Fixed dome cameras

►FLEXIDOME indoor 3100i (IR)



2MP
Indoor



5MP
Indoor



IR
2MP
Indoor



IR
5MP
Indoor

■ Available – Not available

Commercial Type Number	NDI-3702-A	NDI-3703-A	NDI-3702-AL	NDI-3703-AL
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter	■ –	■ –	■ –
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs IVA Pro Privacy Intelligent Audio Analytics	– – – – – – –	– – – – – – –	– – – – – – –
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/2.8" 30fps 120dB ■ –	5MP 1/2.7" 30fps 120dB ■ –	2MP 1/2.8" 30fps 120dB ■ –
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ –	■ ■ –	■ ■ –
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	■ ■ 3 streams	■ ■ 3 streams	■ ■ 3 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.06 lux 0.016 lux –	0.14 lux 0.03 lux –	0.06 lux 0 lux with IR on 30 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFoV)	■ 3.3 - 10.2 mm 106° - 31.2°	■ 3.3 - 10.2 mm 101.4° - 30.1°	■ 3.3 - 10.2 mm 106° - 31.2°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	– – ■	– – ■	– – ■
Housing	Weather rating Vandal resistant Operating temperature	– – 0 to 40°C	– – 0 to 40°C	– – 0 to 40°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	PoE	PoE
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–	–	–

Fixed dome cameras

►FLEXIDOME outdoor 3100i (IR)



IR
2MP
Outdoor



IR
5MP
Outdoor

■ Available – Not available

Commercial Type Number		NDE-3702-AL	NDE-3703-AL
Video Analytics (Pre-installed)	IVA Pro Buildings	■	■
	IVA Pro Perimeter	–	–
Video Analytics available via license	IVA Pro Traffic	–	–
	IVA Pro Visual Gun Detection	–	–
	IVA Pro Appearance	–	–
	IVA Pro Personal Protective Equipment	–	–
	IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs	–	–
	IVA Pro Privacy	–	–
	Intelligent Audio Analytics	–	–
Basic features	Maximum resolution	2MP	5MP
	Image sensor type	1/2.8"	1/2.7"
	Max. frames per second (fps)	30fps	30fps
	High Dynamic Range (HDR)	120dB	120dB
	ONVIF conformant	■	■
	Built-in microphone	–	–
Advanced features	Privacy masking	■	■
	Upright video mode	■	■
	Electronic Image Stabilization (EIS)	–	–
Bitrate management	Intelligent streaming	■	■
	Compression (H.265 / H.264 & MJPEG)	■	■
	Multi streaming	3 streams	3 streams
Sensitivity	Minimum illumination day mode (color)	0.06 lux	0.14 lux
	Minimum illumination night mode (black / white)	0 lux with IR on	0 lux with IR on
	Max. IR range	30 m	30 m
Lens	Automatic varifocal	■	■
	Focal length	3.3 - 10.2 mm	3.3 - 10.2 mm
	Horizontal Field of View (HFoV)	106° - 31.2°	101.4° - 30.1°
Storage	Industrial SD card support with health monitoring	■	■
Connections	Alarm input / output	–	–
	Audio in / out	–	–
	Hybrid / public view monitor	■	■
Housing	Weather rating	IP66	IP66
	Vandal resistant	IK10	IK10
	Operating temperature	-30 to 50°C	-30 to 50°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	PoE
Accessories	Modular mount compatible	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–	–

Fixed dome cameras

►FLEXIDOME indoor 5100i



2MP
Indoor



5MP
Indoor



8MP
Indoor

■ Available – Not available

Commercial Type Number	NDV-5702-A	NDV-5703-A	NDV-5704-A
Video Analytics (Pre-installed)	■ IVA Pro Buildings ■ IVA Pro Privacy	■	■
Video Analytics available via license	■ IVA Pro Perimeter ■ IVA Pro Traffic ■ IVA Pro Visual Gun Detection ■ IVA Pro Appearance ■ IVA Pro Personal Protective Equipment – IVA Pro License Plate Recognition / Vehicle Make – Model / Dangerous Goods Signs – Intelligent Audio Analytics	■ ■ ■ ■ ■ – – –	■ ■ ■ ■ ■ – – –
Basic features	Maximum resolution 2MP Image sensor type 1/2.8" Max. frames per second (fps) 60fps High Dynamic Range (HDR) 144dB ONVIF conformant ■ Built-in microphone –	5MP 1/2.7" 30fps 120dB ■ – –	8MP 1/2.8" 30fps 120dB ■ –
Advanced features	Privacy masking ■ Upright video mode ■ Electronic Image Stabilization (EIS) ■	■ ■ ■ ■	■ ■ ■ ■
Bitrate management	Intelligent streaming ■ Compression (H.265 / H.264 & MJPEG) ■ Multi streaming 4 streams	■ ■ 4 streams	■ ■ 4 streams
Sensitivity	Minimum illumination day mode (color) 0.021 lux Minimum illumination night mode (black / white) 0.004 lux Max. IR range 45 m	0.021 lux 0.004 lux 45 m	0.044 lux 0.01 lux 45 m
Lens	Automatic varifocal ■ Focal length 3.2 - 10.5 mm Horizontal Field of View (HFOV) 105° - 31°	3.2 - 10.5 mm 96° - 29°	3.2 - 10.5 mm 105° - 31°
Storage	Industrial SD card support with health monitoring ■	■	■
Connections	Alarm input / output ■ Audio in / out ■ Hybrid / public view monitor –	■ ■ –	■ ■ –
Housing	Weather rating IP54 Vandal resistant IK10 Operating temperature -20 to 50°C	IP54 IK10 -20 to 50°C	IP54 IK10 -20 to 50°C
Power input voltage	Power over Ethernet / 12V / 24V PoE	PoE	PoE
Accessories	Modular mount compatible ■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ) –	–	–

Fixed dome cameras

►FLEXIDOME indoor 5100i IR



IR
2MP
Indoor



IR
5MP
Indoor



IR
8MP
Indoor

■ Available – Not available

Commercial Type Number	NDV-5702-AL	NDV-5703-AL	NDV-5704-AL	
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Privacy	■ ■	■ ■	■ ■
Video Analytics available via license	IVA Pro Perimeter IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	■ ■ ■ ■ ■ — ■ ■	■ ■ ■ ■ ■ — ■ ■	■ ■ ■ ■ ■ — ■ ■
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/2.8" 60fps 144dB ■ ■	5MP 1/2.7" 30fps 120dB ■ ■	8MP 1/2.8" 30fps 120dB ■ ■
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ ■	■ ■ ■	■ ■ ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG)	■ ■	■ ■	■ ■
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.021 lux 0.004 lux 45 m	0.044 lux 0.01 lux 45 m	0.065 lux 0.02 lux 40 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFOV)	■ 3.2 - 10.5 mm 105° - 31°	■ 3.2 - 10.5 mm 96° - 29°	■ 3.2 - 10.5 mm 105° - 31°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ —	■ ■ —	■ ■ —
Housing	Weather rating Vandal resistant Operating temperature	IP54 IK10 -20 to 50°C	IP54 IK10 -20 to 50°C	IP54 IK10 -20 to 50°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	PoE	PoE
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	—	—	—

Fixed dome cameras

►FLEXIDOME outdoor 5100i



2MP
Outdoor



5MP
Outdoor



8MP
Outdoor

■ Available – Not available

Commercial Type Number	NDE-5702-A	NDE-5703-A	NDE-5704-A	
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Privacy	■ ■	■ ■	
Video Analytics available via license	IVA Pro Perimeter IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	■ ■ ■ ■ ■ — — —	■ ■ ■ ■ ■ — — —	
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/2.8" 60fps 144dB ■ —	5MP 1/2.7" 30fps 120dB ■ —	8MP 1/2.8" 30fps 120dB ■ —
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ ■	■ ■ ■	■ ■ ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG)	■ ■	■ ■	■ ■
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.021 lux 0.004 lux 45 m	0.044 lux 0.01 lux 45 m	0.065 lux 0.02 lux 40 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFOV)	■ 3.2 - 10.5 mm 105° - 31°	■ 3.2 - 10.5 mm 96° - 29°	■ 3.2 - 10.5 mm 105° - 31°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ ■	■ ■ ■	■ ■ —
Housing	Weather rating Vandal resistant Operating temperature	IP66 IK10 -40 to 55°C	IP66 IK10 -40 to 55°C	IP66 IK10 -40 to 55°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	—	—	—

Fixed dome cameras

►FLEXIDOME outdoor 5100i IR



IR
2MP
Outdoor



IR
5MP
Outdoor



IR
8MP
Outdoor

■ Available – Not available

Commercial Type Number	NDE-5702-AL	NDE-5703-AL	NDE-5704-AL
Video Analytics (Pre-installed)	■ IVA Pro Buildings ■ IVA Pro Privacy	■	■
Video Analytics available via license	■ IVA Pro Perimeter ■ IVA Pro Traffic ■ IVA Pro Visual Gun Detection ■ IVA Pro Appearance ■ IVA Pro Personal Protective Equipment ■ IVA Pro License Plate Recognition / Vehicle Make ■ Model / Dangerous Goods Signs ■ Intelligent Audio Analytics	■ ■ ■ ■ ■ — ■ ■ ■	■ ■ ■ ■ ■ — ■ ■ ■
Basic features	Maximum resolution 2MP Image sensor type 1/2.8" Max. frames per second (fps) 60fps High Dynamic Range (HDR) 144dB ONVIF conformant ■ Built-in microphone ■	5MP 1/2.7" 30fps 120dB ■ ■ ■ ■ ■ ■ ■	8MP 1/2.8" 30fps 120dB ■ ■ ■ ■ ■ ■ ■
Advanced features	Privacy masking ■ Upright video mode ■ Electronic Image Stabilization (EIS) ■	■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■
Bitrate management	Intelligent streaming ■ Compression (H.265 / H.264 & MJPEG) ■ Multi streaming 4 streams	■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■
Sensitivity	Minimum illumination day mode (color) 0.021 lux Minimum illumination night mode (black / white) 0.004 lux Max. IR range 45 m	0.021 lux 0.004 lux 45 m	0.044 lux 0.01 lux 45 m
Lens	Automatic varifocal ■ Focal length 3.2 - 10.5 mm Horizontal Field of View (HFoV) 105° - 31°	■ 3.2 - 10.5 mm 105° - 31°	■ 3.2 - 10.5 mm 96° - 29°
Storage	Industrial SD card support with health monitoring ■	■	■
Connections	Alarm input / output ■ Audio in / out ■ Hybrid / public view monitor ■	■ ■ ■ ■	■ ■ ■ —
Housing	Weather rating IP66 Vandal resistant IK10 Operating temperature -40 to 55°C	IP66 IK10 -40 to 55°C	IP66 IK10 -40 to 55°C
Power input voltage	Power over Ethernet / 12V / 24V PoE / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible ■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ) —	—	—

Fixed dome cameras

►FLEXIDOME 8100i (IR)



6MP /
6MP Tele
Indoor/
Outdoor



IR
6MP
Indoor/
Outdoor



8MP /
8MP Tele
Indoor/
Outdoor



IR
8MP
Indoor/
Outdoor

■ Available – Not available

Commercial Type Number	NDE-8703-R(T)	NDE-8703-RL	NDE-8704-R(T)	NDE-8704-RL
Video Analytics (Pre-installed)	IVA Pro Buildings	■	■	■
	IVA Pro Perimeter	■	■	■
	IVA Pro Privacy	■	■	■
Video Analytics available via license	IVA Pro Traffic	■	■	■
	IVA Pro Visual Gun Detection	■	■	■
	IVA Pro Appearance	■	■	■
	IVA Pro Personal Protective Equipment	■	■	■
	IVA Pro License Plate Recognition / Vehicle Make	–	–	–
	Model / Dangerous Goods Signs	–	■	–
Basic features	Intelligent Audio Analytics	–	–	■
	Maximum resolution	6MP	6MP	8MP
	Image sensor type	1/1.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	120dB	120dB
	ONVIF conformant	■	■	■
Advanced features	Built-in microphone	–	■	–
	Privacy masking	■	■	■
	Upright video mode	■	■	■
	Electronic Image Stabilization (EIS)	■	■	■
Bitrate management	Intelligent streaming	■	■	■
	Compression (H.265 / H.264 & MJPEG)	■	■	■
	Multi streaming	4 streams	4 streams	4 streams
Sensitivity	Minimum illumination day mode (color)	0.054 / 0.0899 lux	0.054 lux	0.036 / 0.0885 lux
	Minimum illumination night mode (black / white)	0.0098 / 0.0095 lux	0.0098 lux	0.0054 / 0.0083 lux
	Max. IR range	30 m	30 m	30 m
Lens	Automatic varifocal	■	■	■
	Focal length	3.9 - 10 mm / 12 - 38 mm	3.9 - 10 mm	3.9 - 10 mm / 12 - 38 mm
	Horizontal Field of View (HFoV)	117° - 44° / (T): 36° - 12°	117° - 44°	117° - 44° / (T): 36° - 12°
Storage	Industrial SD card support with health monitoring	Dual microSD	Dual microSD	Dual microSD
Connections	Alarm input / output	■	■	■
	Audio in / out	■	■	■
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	IP67	IP67	IP67
	Vandal resistant	IK11	IK11	IK11
	Operating temperature	-50 to +60°C (-58 to +140° F)	-50 to +60°C (-58 to +140° F)	-50 to +60°C (-58 to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 12V / 24V	PoE+ / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■	■

Fixed dome cameras

►FLEXIDOME 8100i (IR) X series



2MP /
2MP
Tele

Indoor/
Outdoor



IR
2MP

Indoor/
Outdoor



4MP /
4MP
Tele

Indoor/
Outdoor

■ Available – Not available

Commercial Type Number	NDE-8702-RX(T)	NDE-8702-RXL	NDE-8703-RX(T)	
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter IVA Pro Privacy	■ ■ ■	■ ■ ■	
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	■ ■ ■ ■ — — —	■ ■ ■ ■ — — —	
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/1.8" 60fps 141dB ■ —	2MP 1/1.8" 60fps 120dB ■ ■	4MP 1/1.8" 60fps 141dB ■ —
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ ■	■ ■ ■	■ ■ ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	■ ■ 4 streams	■ ■ 4 streams	■ ■ 4 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.0078 / 0.054 lux 0.0011 / 0.0095 lux 50m	0.0078 lux 0.0011 lux	0.009 / 0.0252 lux 0.0007 / 0.0022 lux
Lens	Automatic varifocal Focal length Horizontal Field of View (HFoV)	■ 4.4 - 10 mm / 12 - 38 mm 110° - 56° / (T): 36° - 12°	■ 4.4 - 10 mm 110° - 56°	■ 4.4 - 10 mm / 12 - 38 mm 110° - 56° / (T): 36° - 12°
Storage	Industrial SD card support with health monitoring	Dual microSD	Dual microSD	Dual microSD
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ —	■ ■ —	■ ■ —
Housing	Weather rating Vandal resistant Operating temperature	IP67 IK11 -50 to +60°C (-58 to +140° F)	IP67 IK11 -50 to +60°C (-58 to +140° F)	IP67 IK11 -50 to +60°C (-58 to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 12V / 24V	PoE+ / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■	■

Fixed dome cameras

►FLEXIDOME 8100i (IR) X series



IR
4MP
Indoor/
Outdoor



8MP
Indoor/
Outdoor



IR
8MP
Indoor/
Outdoor

■ Available – Not available

Commercial Type Number	NDE-8703-RXL	NDE-8704-RX	NDE-8704-RXL	
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter IVA Pro Privacy	■ ■ ■	■ ■ ■	■ ■ ■
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	■ ■ ■ ■ — — ■	■ ■ ■ ■ — — —	■ ■ ■ ■ — — ■
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	4MP 1/1.8" 60fps 120dB ■ ■	8MP 1/1.2" 30fps 128dB ■ —	8MP 1/1.2" 30fps 128dB ■ ■
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ ■	■ ■ ■	■ ■ ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	■ ■ 4 streams	■ ■ 4 streams	■ ■ 4 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.009 lux 0.0007 lux 50m	0.0122 lux 0.0015 lux —	0.0122 lux 0.0015 lux 40 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFOV)	■ 4.4 - 10 mm 110° - 56°	■ 5.9 - 13 mm 110° - 48°	■ 5.9 - 13 mm 110° - 48°
Storage	Industrial SD card support with health monitoring	Dual microSD	Dual microSD	Dual microSD
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ —	■ ■ —	■ ■ —
Housing	Weather rating Vandal resistant Operating temperature	IP67 IK11 -50 to +60°C (-58 to +140° F)	IP67 IK11 -50 to +60°C (-58 to +140° F)	IP67 IK11 -50 to +60°C (-58 to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE+ / 12V / 24V	PoE / 12V / 24V	PoE+ / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■	■

Fixed dome cameras

►FLEXIDOME IP starlight 8000i



2MP
Outdoor



6MP
Outdoor



8MP
Outdoor

■ Available – Not available

Commercial Type Number	NDE-8512-R(T)	NDE-8513-R(T)	NDE-8514-R(T)
Video Analytics	Intelligent Video Analytics + Camera Trainer	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■
Bitrate management	Intelligent Dynamic Noise Reduction	■	■
	Intelligent streaming	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution	HD 1080p	6MP
	Image sensor type	1/2.8"	1/1.8"
	Max. frames per second (fps)	60	30
	Indoor / outdoor	■/■	■/■
	Day / night	■	■
	Wide Dynamic Range (WDR)	146dB HDR	120dB HDR
	ONVIF conformant	■	■
	Built-in microphone	–	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■	■/■
	Privacy masking	■	■
	Region Of Interest tracking	■	■
	Upright video mode	■	■
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■
	Built-in video analytics	■	■
	Audio detection	■	■
Sensitivity	Minimum illumination day mode (color)	0.0104 lux (R) / 0.0179 lux (RT)	0.0509 lux (R) / 0.1222 lux (RT)
	Minimum illumination night mode (black / white)	0.0039 lux (R) / 0.0066 lux (RT)	0.0086 lux (R) / 0.0198 lux (RT)
	Night vision	■ (starlight)	■ (starlight)
	Max. range at night (IR range)	–	–
Lens	Automatic varifocal	■ (P-iris)	■ (P-iris)
	Focal length	3 - 9 mm (R) / 10 - 23 mm (RT)	3.9 - 10 mm (R) / 12 - 40 mm (RT)
	Horizontal Angle of View (HAoV)	117° - 37° (R) / 32° - 14.4° (RT)	117° - 44° (R) / 36° - 12.6° (RT)
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	24-115/9-46/5-23/2-12 134-304/53-121/27-61/13-30	40-162/16-64/8-32/4-16 201-591/80-235/40-118/20-59
Storage	Industrial SD card support with health monitoring	■ (2 slots)	■ (2 slots)
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output	2/1 + 12V 50mA out	2/1 + 12V 50mA out
	Audio in / out	■/■	■/■
	Hybrid / public view monitor	–	–
Housing	Weather rating	IP66, IP6K9K and NEMA type 4X	IP66, IP6K9K and NEMA type 4X
	Vandal resistant	IK10+	IK10+
	Operating temperature	-50° to +60°C (-58° to +140° F)	-50° to +60°C (-58° to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■	■/■/■
Accessories	Modular mount compatible	■	■

Fixed dome cameras

►FLEXIDOME IP indoor 8000i – X series



HDR X
2MP
Indoor



HDR X
4.1MP
Indoor

■ Available – Not available

Commercial Type Number	NDV-8502-RX	NDV-8503-RX
Video Analytics	Intelligent Video Analytics + Camera Trainer	
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	
Bitrate management	Intelligent Dynamic Noise Reduction	
	Intelligent streaming	
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams
Basic features	Maximum resolution	HD 1080p
	Image sensor type	1/1.8"
	Max. frames per second (fps)	60
	Indoor	■
	Day / night	■
	Wide Dynamic Range (WDR)	144dB HDR X
	ONVIF conformant	■
	Built-in microphone	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■
	Privacy masking	■
	Region Of Interest tracking	■
	Upright video mode	■
Alarm triggering	Tamper detection / Video motion detection	■/■
	Built-in video analytics	■
	Audio detection	■
Sensitivity	Minimum illumination day mode (color)	0.0061 lux
	Minimum illumination night mode (black / white)	0.0007 lux
	Night vision	■ (starlight X)
	Max. range at night (IR range)	–
Lens	Automatic varifocal	■ (P-iris)
	Focal length	4.4 - 10 mm
	Horizontal Angle of View (HAoV)	110° - 48°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	27-86/11-34/5-17/3-9
Storage	Industrial SD card support with health monitoring	■ (2 slots)
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output	4x virtual input
	Audio in / out	–
	Hybrid / public view monitor	–
Housing	Weather rating	IP5X / IP54 with NDA-8001-IP
	Vandal resistant	IK10
	Operating temperature	-20° to +55°C (-4° to +131° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE / - / -
Accessories	Modular mount compatible	■

Fixed dome cameras

►FLEXIDOME IP starlight 8000i – X series



HDR X
2MP
Outdoor



HDR X
4.1MP
Outdoor

■ Available – Not available

Commercial Type Number	NDE-8512-RX(T)	NDE-8513-RX(T)
Video Analytics	Intelligent Video Analytics + Camera Trainer	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■
Bitrate management	Intelligent Dynamic Noise Reduction	■
	Intelligent streaming	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams
Basic features	Maximum resolution	HD 1080p
	Image sensor type	1/1.8"
	Max. frames per second (fps)	60
	Indoor / outdoor	■/■
	Day / night	■
	Wide Dynamic Range (WDR)	144dB HDR X
	ONVIF conformant	■
	Built-in microphone	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■
	Privacy masking	■
	Region Of Interest tracking	■
	Upright video mode	■
Alarm triggering	Tamper detection / Video motion detection	■/■
	Built-in video analytics	■
	Audio detection	■
Sensitivity	Minimum illumination day mode (color)	0.0061 lux (R) / 0.0178 lux (RT)
	Minimum illumination night mode (black / white)	0.0007 lux (R) / 0.0026 lux (RT)
	Night vision	■ (starlight X)
	Max. range at night (IR range)	–
Lens	Automatic varifocal	■ (P-iris)
	Focal length	4.4 - 10 mm (R) / 12 - 40 mm (RT)
	Horizontal Angle of View (HAoV)	110° - 48° (R) / 36.8° - 12.8° (RT)
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	27-86/11-34/5-17/3-9 115-342/46-136/23-68/12-34
Storage	Industrial SD card support with health monitoring	■ (2 slots)
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output	2/1 + 12V 50mA out
	Audio in / out	■/■
	Hybrid / public view monitor	–
Housing	Weather rating	IP66, IP6K9K and NEMA type 4X
	Vandal resistant	IK10+
	Operating temperature	-50° to +60°C (-58° to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■
Accessories	Modular mount compatible	■

Fixed dome cameras

►FLEXIDOME IP indoor 8000i



2MP
Indoor



6MP
Indoor



8MP
Indoor

■ Available – Not available

Commercial Type Number	NDV-8502-R	NDV-8503-R	NDV-8504-R	
Video Analytics	Intelligent Video Analytics + Camera Trainer	■	■	
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	■	■	
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	
	Intelligent streaming	■	■	
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams	■/■/4 streams	
Basic features	Maximum resolution	HD 1080p	6MP	
	Image sensor type	1/2.8"	1/1.8"	
	Max. frames per second (fps)	60	30	
	Indoor	■	■	
	Day / night	■	■	
	Wide Dynamic Range (WDR)	146dB HDR	120dB HDR	
	ONVIF conformant	■	■	
	Built-in microphone	■	■	
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■	■/■	
	Privacy masking	■	■	
	Region Of Interest tracking	■	■	
	Upright video mode	■	■	
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■	
	Built-in video analytics	■	■	
	Audio detection	■	■	
Sensitivity	Minimum illumination day mode (color)	0.0104 lux	0.0509 lux	
	Minimum illumination night mode (black / white)	0.0039 lux	0.0086 lux	
	Night vision	■ (starlight)	■ (starlight)	
	Max. range at night (IR range)	–	–	
Lens	Automatic varifocal	■ (P-iris)	■ (P-iris)	
	Focal length	3 - 9 mm	3.9 - 10 mm	
	Horizontal Angle of View (HAoV)	117° - 37°	117° - 44°	
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	24-115/9-46/5-23/2-12	40-162/16-64/8-32/4-16	47-190/195-75/9-38/5-19
Storage	Industrial SD card support with health monitoring	■ (2 slots)	■ (2 slots)	■ (2 slots)
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output	4x virtual input	4x virtual input	4x virtual input
	Audio in / out	–	–	–
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	IP5X / IP54 with NDA-8001-IP IK10	IP5X / IP54 with NDA-8001-IP IK10	IP5X / IP54 with NDA-8001-IP IK10
	Vandal resistant	–	–	–
	Operating temperature	-20° to +55°C (-4° to +131° F)	-20° to +55°C (-4° to +131° F)	-20° to +55°C (-4° to +131° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE / - / -	PoE / - / -	PoE / - / -
Accessories	Modular mount compatible	■	■	■

Panoramic cameras

►FLEXIDOME panoramic 5100i



6MP
Indoor



12MP
Indoor



IR
6MP
Outdoor



IR
12MP
Outdoor

■ Available – Not available

Commercial Type Number	NDS-5703-F360	NDS-5704-F360	NDS-5703-F360LE	NDS-5704-F360LE
Video Analytics (Pre-installed)	IVA Pro Buildings	■	■	■
	IVA Pro Perimeter	■	■	■
	IVA Pro Privacy	■	■	■
Video Analytics available via license	IVA Pro Traffic	–	–	–
	IVA Pro Visual Gun Detection	–	–	–
	IVA Pro Appearance	–	–	–
	IVA Pro Personal Protective Equipment	–	–	–
	IVA Pro License Plate Recognition / Vehicle Make	–	–	–
	Model / Dangerous Goods Signs	■	■	■
Intelligent Audio Analytics	■	■	■	■
Basic features	Maximum resolution	6MP	12MP	6MP
	Image sensor type	1/1.8"	1/2.3"	1/1.8"
	Max. frames per second (fps)	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	120dB	120dB
	ONVIF conformant	■	■	■
	Built-in microphone	■	■	■
Advanced features	Privacy masking	■	■	■
	Upright video mode	–	–	–
	Electronic Image Stabilization (EIS)	–	–	–
Bitrate management	Intelligent streaming	■	■	■
	Compression (H.265 / H.264 & MJPEG)	■	■	■
	Multi streaming	4 streams	4 streams	4 streams
Sensitivity	Minimum illumination day mode (color)	0.099 lux	0.15 lux	0.099 lux
	Minimum illumination night mode (black / white)	0.008 lux	0.048 lux	0.008 lux
	Max. IR range	–	–	20 m
Lens	Automatic varifocal	–	–	–
	Focal length	1.155 mm	1.26 mm	1.155 mm
	Horizontal Field of View (HFOV)	182°	182°	182°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output	■	■	■
	Audio in / out	–	–	■
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	–	–	IP66
	Vandal resistant	IK08	IK08	IK10
	Operating temperature	-10 to 40°C	-10 to 40°C	-40 to 55°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	PoE	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–	–	–

Multi-imager cameras

►FLEXIDOME multi 7000i



4 x 3MP
Indoor/
Outdoor

►FLEXIDOME multi 7000i IR



4 x 5MP
Indoor/
Outdoor



IR
4 x 3MP
Indoor/
Outdoor



IR
4 x 5MP
Indoor/
Outdoor

■ Available – Not available

Commercial Type Number	NDM-7702-A	NDM-7703-A	NDM-7702-AL	NDM-7703-AL
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter	■ ■	■ ■	■ ■
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs IVA Pro Privacy Intelligent Audio Analytics	– – – – – – –	– – – – – – –	– – – – – – –
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	4 x 3MP 1/2.7" 30fps 120dB ■ ■	4 x 5MP 1/2.7" 30fps 120dB ■ ■	4 x 3MP 1/2.7" 30fps 120dB ■ ■
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ –	■ ■ –	■ ■ –
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG)	■ ■	■ ■	■ ■
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.091 lux 0.012 lux –	0.091 lux 0.012 lux –	0.091 lux 0.012 lux 30 m 30 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFoV)	■ 3.7 - 7.7 mm 85.1° - 38.7°	■ 3.7 - 7.7 mm 85.1° - 38.7°	■ 3.7 - 7.7 mm 85.1° - 38.7°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ –	■ ■ –	■ ■ –
Housing	Weather rating Vandal resistant Operating temperature	IP66 IK10 -50 to 55°C	IP66 IK10 -50 to 55°C	IP66 IK10 -50 to 55°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE+ / 24V	PoE+ / 24V	PoE+ / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–	–	–

Bullet cameras

► DINION 3100i IR



IR
2MP



IR
5MP

■ Available – Not available

Commercial Type Number	NBE-3702-AL	NBE-3703-AL
Video Analytics (Pre-installed)	IVA Pro Buildings	■
Video Analytics available via license	IVA Pro Perimeter IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs IVA Pro Privacy Intelligent Audio Analytics	– – – – – – – – –
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/2.8" 30fps 120dB ■ –
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ –
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG)	■ ■
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.06 lux 0.016 lux 30 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFoV)	■ 3.3 – 10.2 mm 106° - 31°
Storage	Industrial SD card support with health monitoring	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	– – –
Housing	Weather rating Vandal resistant Operating temperature	IP66 IK10 -30 to 50°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE
Accessories	Modular mount compatible	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–

Bullet cameras

DINION 5100i IR



IR
2MP



IR
5MP



IR
8MP

■ Available – Not available

Commercial Type Number	NBE-5702-AL	NBE-5703-AL	NBE-5704-AL	
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Privacy	■ ■	■ ■	
Video Analytics available via license	IVA Pro Perimeter IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	■ ■ ■ ■ ■ ■ ■ ■ —	■ ■ ■ ■ ■ ■ ■ ■ —	
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/2.8" 60fps 144dB ■ —	5MP 1/2.7" 30fps 120dB ■ —	8MP 1/2.8" 30fps 120dB ■ —
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ ■	■ ■ ■	■ ■ ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	■ ■ 4 streams	■ ■ 4 streams	■ ■ 4 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.021 lux 0.004 lux 60 m	0.06 lux 0.012 lux 60 m	0.065 lux 0.02 lux 45 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFoV)	■ 3.2 - 10.5 mm 105° - 31°	■ 3.2 - 10.5 mm 96° - 29°	■ 3.2 - 10.5 mm 105° - 31°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ —	■ ■ —	■ ■ —
Housing	Weather rating Vandal resistant Operating temperature	IP66 / IP67 IK10 -40 to 55°C	IP66 / IP67 IK10 -40 to 55°C	IP66 / IP67 IK10 -40 to 55°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	—	—	—

Bullet cameras

DINION 7100i IR



■ Available – Not available

Commercial Type Number	NBE-7702-ALX	NBE-7702-ALXT	NBE-7703-ALX	NBE-7703-ALXT
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter IVA Pro Privacy	■ ■ ■	■ ■ ■	■ ■ ■
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	■ ■ ■ ■ ■ –	■ ■ ■ ■ ■ –	■ ■ ■ ■ ■ –
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/1.8" 60fps 146dB ■ –	2MP 1/1.8" 60fps 146dB ■ –	4MP 1/1.8" 60fps 141dB ■ –
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ ■	■ ■ ■	■ ■ ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG)	■ ■	■ ■	■ ■
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.0061 lux 0.0011 lux 80 m	0.0061 lux 0.0011 lux 140 m	0.0078 lux 0.0011 lux 80 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFOV)	■ 4.7 - 10 mm 103° - 53°	■ 10.5 - 47 mm 42° - 9°	■ 4.7 - 10 mm 103° - 53°
Storage	Industrial SD card support with health monitoring	Dual microSD	Dual microSD	Dual microSD
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ –	■ ■ –	■ ■ –
Housing	Weather rating Vandal resistant Operating temperature	IP67 IK10 -50 to +60°C (-58 to +140° F)	IP67 IK10 -50 to +60°C (-58 to +140° F)	IP67 IK10 -50 to +60°C (-58 to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–	–	–

Bullet cameras

DINION 7100i IR



Wide angle
IR
8MP



Tele
IR
8MP

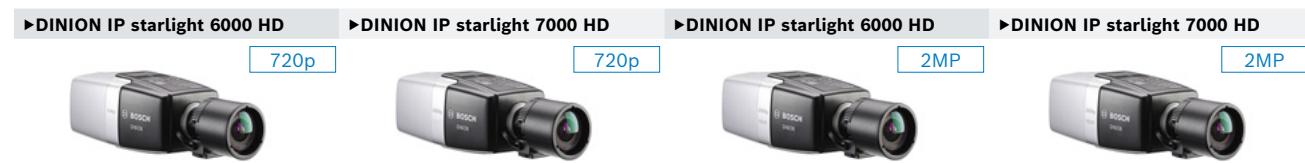


HDR X
Wide angle
IR
8MP

■ Available – Not available

Commercial Type Number	NBE-7704-AL	NBE-7704-ALT	NBE-7704-ALX
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter IVA Pro Privacy	■ ■ ■	■ ■ ■
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	■ ■ ■ ■ ■ — —	■ ■ ■ ■ ■ — —
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	8MP 1/1.8" 30fps 120dB ■ —	8MP 1/1.2" 30fps 120dB ■ —
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ ■ ■	■ ■ ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	■ ■ 4 streams	■ ■ 4 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.054 lux 0.0098 lux 80 m	0.0899 lux 0.0095 lux 120 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFOV)	■ 4.4 - 10 mm 108° - 44°	■ 12 - 38 mm 42° - 9°
Storage	Industrial SD card support with health monitoring	Dual microSD	Dual microSD
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ —	■ ■ —
Housing	Weather rating Vandal resistant Operating temperature	IP67 IK10 -50 to +60°C (-58 to +140° F)	IP67 IK10 -50 to +60°C (-58 to +140° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	—	—

Box cameras



■ Available – Not available

Commercial Type Number		NBN-63013-B **	NBN-73013-BA **	NBN-63023-B **	NBN-73023-BA **
Video Analytics	Essential Video Analytics	■	-	■	-
	Intelligent Video Analytics	-	■	-	■
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	-/■/4 streams	-/■/4 streams	-/■/4 streams	-/■/4 streams
Basic features	Maximum resolution	720p	720p	1080p	1080p
	Image sensor type	1/2.8"	1/2.8"	1/2.8"	1/2.8"
	Max. frames per second (fps)	60 fps@720p	60 fps@720p	60 fps@1.3MP / 1080p	60 fps@1.3MP / 1080p
	Indoor / outdoor	■/■ (with housing)	■/■ (with housing)	■/■ (with housing)	■/■ (with housing)
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	-	-	-	-
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■	■/■	■/■	■/■
	Privacy masking	■	■	■	■
	Region Of Interest tracking	■	■	■	■
	Upright video mode	■	■	■	■
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
Sensitivity	Minimum illumination day mode (color)	0.0069 lux	0.0069 lux	0.0069 lux	0.0069 lux
	Minimum illumination night mode (black / white)	0.0008 lux	0.0008 lux	0.0008 lux	0.0008 lux
	Night vision	■ (starlight)	■ (starlight)	■ (starlight)	■ (starlight)
	Max. range at night	-	-	-	-
Lens	Automatic Back Focus (ABF)	■	■	■	■
	Automatic varifocal	-	-	-	-
	Focal length	Lenses available separately C/CS mount 1.8 - 3 mm, 3.8 - 13 mm, 9 - 40 mm	Lenses available separately C/CS mount 1.8 - 3 mm, 3.8 - 13 mm, 9 - 40 mm	Lenses available separately C/CS mount 1.8 - 3 mm, 3.8 - 13 mm, 9 - 40 mm	Lenses available separately C/CS mount 1.8 - 3 mm, 3.8 - 13 mm, 9 - 40 mm
	Horizontal Angle of View (HAoV)	depending on optional lens			
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard)	depending on optional lens			
Storage	Industrial SD card support with health monitoring	■	■	■	■
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output	2/1	2/1	2/1	2/1
	Audio in / out	■/■	■/■	■/■	■/■
	Hybrid / public view monitor	■/■	■/■	■/■	■/■
Housing	Weather rating	depending on optional housing			
	Vandal resistant	depending on optional housing			
	Operating temperature	-30° to 50°C (-22° to 122° F)			
Power input voltage	Power over Ethernet / 12V / 24V	■/■/-	■/■/-	■/■/-	■/■/-

** Lens not included

Box cameras

►DINION IP starlight 8000 MP



►DINION IP ultra 8000 MP



5MP
starlight

12MP

■ Available – Not available

Commercial Type Number	NBN-80052-BA**	NBN-80122-CA**
Video Analytics	Intelligent Video Analytics	
Bitrate management	Intelligent Dynamic Noise Reduction	
	Intelligent streaming	
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	-/■/4 streams
Basic features	Maximum resolution	5MP (16:9)/5.5MP (4:3)
	Image sensor type	1/1.8"
	Max. frames per second (fps)	30 fps@5 MP
	Indoor / outdoor	■/■ (with housing)
	Day / night	■
	Wide Dynamic Range (WDR)	97dB (5MP)/105dB (1080p) (with IAE + 16dB)
	ONVIF conformant	■
	Built-in microphone	-
	Power over Ethernet (PoE)	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■
	Privacy masking	■
	Region Of Interest tracking	■
Alarm triggering	Tamper detection / Video motion detection	■/■
	Built-in video analytics	■
	Audio detection	■
Sensitivity	Minimum illumination day mode (color)	0.0121 lux (5 MP) 0.0083 lux (1080p)
	Minimum illumination night mode (black / white)	0.004 lux (5 MP) 0.0028 lux (1080p)
	Night vision	■ (starlight)
	Max. range at night	-
Lens	Automatic Back Focus (ABF)	■
	Automatic varifocal	-
	Focal length	C/CS mount 4.1 - 9 mm / 12.5 - 50 mm depending on optional lens
	Horizontal Angle of View (HAoV)	depending on optional lens
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	depending on optional lens
Storage	Industrial SD card support with health monitoring	■
	Cloud application storage	Auto or Alarm JPEG Posting, Best Face Detection JPEG posting (IVA models only), Video Clips or JPEG Exporting
Connections	Alarm input / output	2/1
	Audio in / out	■/■
	Hybrid / public view monitor	■/■
Housing	Weather rating	-
	Vandal resistant	-
	Operating temperature	-20° to 50°C (-4° to 122° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/-

** Lens not included

Special cameras

►FLEXIDOME corner 7100i IR



Wide angle
IR
6MP

■ Available – Not available

Commercial Type Number		NCE-7703-FK
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter IVA Pro Privacy	■ ■ ■
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs Intelligent Audio Analytics	– – – – – ■
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	6MP 1/1.8" 30fps 120dB ■ ■
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ – –
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	■ ■ 4 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.072 lux 0.014 lux 15 m
Lens	Automatic varifocal Focal length Horizontal Field of View (HFoV)	■ 2.5 mm 131.1°
Storage	Industrial SD card support with health monitoring	microSD
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ –
Housing	Weather rating Vandal resistant Operating temperature	IP66 IK10+ -10 to +50°C (14 to 122° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	–
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–

Thermal cameras

►DINION IP thermal 8000



QVGA



VGA

■ Available – Not available

Commercial Type Number		NHT-8000-F	NHT-8001-F
Video Analytics	Intelligent Video Analytics	■	■
Bitrate management	Intelligent Dynamic Noise Reduction	–	–
	Intelligent streaming	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams
Basic features	Maximum resolution	QVGA	VGA
	Image sensor type	Un-cooled vanadium oxide microbolometer	Un-cooled vanadium oxide microbolometer
	Max. frames per second (fps)	9 fps (–FxxQS) or 60 fps (–FxxQF)	9 fps (–FxxVS) or 30 fps (–FxxVF)
	Indoor / outdoor	■/■	■/■
	Day / night	–	–
	Wide Dynamic Range (WDR)	–	–
	ONVIF conformant	■	■
	Built-in microphone	–	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/–	–/–
	Privacy masking	Eight independent areas, fully programmable	Eight independent areas, fully programmable
	Region Of Interest tracking	–	–
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■
	Built-in video analytics	■	■
	Audio detection	■	■
Sensitivity	Minimum illumination day mode (color)	–	–
	Minimum illumination night mode (black / white)	0 lux	0 lux
	Night vision	■ (thermal)	■ (thermal)
	Max. range at night	–	–
Lens	Automatic Back Focus (ABF)	–	–
	Automatic varifocal	–	–
	Focal length	7.5 mm (–F07Qx), 19 mm (–F19Qx)	9 mm (–F09Vx), 16.7 mm (–F17Vx), 35 mm (–F35Vx), 65 mm (–F65Vx)
	Horizontal Angle of View (HAoV)	7.5 mm: 41.8°, 19 mm: 16°	9 mm: 70°, 16.7 mm: 37.5°, 35 mm: 17.6°, 65 mm: 9.6°
DRI distances	Detection / Recognition / Identification	7.5 mm: 140 m (459 ft) / 35 m (115 ft) / 18 m (59 ft) 19 mm: 380 m (1247 ft) / 95 m (312 ft) / 48 m (157 ft)	9 mm: 155 m (509ft) / 40 m (131 ft) / 20 m (66 ft) 16.7 mm: 315 m (1033 ft) / 80 m (262 ft) / 40 m (131 ft) 35 mm: 690 m (2264 ft) / 170 m (558 ft) / 85 m (279 ft) 65 mm: 1270 m (4167 ft) / 320 m (1050 ft) / 160 m (525 ft)
Storage	Industrial SD card support with health monitoring	■	■
	Cloud application storage	Auto or Alarm JPEG Posting (FTP only)	Auto or Alarm JPEG Posting (FTP only)
Connections	Alarm input / output	2/1	2/1
	Audio in / out	■/■	■/■
	Hybrid / public view monitor	■	■
Housing	Weather rating	IP66	IP66
	Vandal resistant	–	–
	Operating temperature	-50° to 55°C (-58° to 131° F)	-50° to 55°C (-58° to 131° F)
Power input voltage	Power over Ethernet / 12V / 24V	–/–/■	–/–/■

Moving cameras PTZ



■ Available – □ Not available

Commercial Type Number	NDP-4502-Z12C	NDP-4502-Z12	NDP-5512-Z30C	NDP-5512-Z30	NDP-5512-Z30L
Video Analytics	Essential Video Analytics	■	■	■	■
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams	■/■/4 streams	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution	HD 1080p	HD 1080p	HD 1080p	HD 1080p
	Image sensor type	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
	Max. frames per second (fps)	60 fps@1080p	60 fps@1080p	60 fps@1080p	60 fps@1080p
	Indoor / outdoor	■/-	■/-	■/-	■/-
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	94dB	94dB	120dB	120dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	-	-	-	-
Advanced features	Intelligent Auto Exposure / Intelligent Defog	-/■	-/■	■/■	■/■
	Privacy masking	■	■	■	■
	Nbr of presets/guard tours	256/2	256/2	256/2	256/2
	Wiper	-	-	-	-
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
	PTZ Intelligent Tracking	-	-	-	-
Sensitivity	Minimum illumination day mode (color)	0.05 lux	0.05 lux	0.0186 lux	0.0186 lux
	Minimum illumination night mode (black / white)	0.01 lux	0.01 lux	0.004 lux	0.004 lux
	Night vision	-	-	-	■ (infrared)
	Max. range at night	-	-	-	180 m (590 ft)
Lens	Focal length	5.3 - 64 mm	5.3 - 64 mm	4.5 - 135 mm	4.5 - 135 mm
	Horizontal Angle of View (HAoV)	4.9° to 58.5°	4.9° to 58.5°	2.4° to 60.9°	2.4° to 60.9°
	PTZ Zoom optical/digital	12x / 16x	12x / 16x	30x / 16x	30x / 16x
	Tilt angle	-90° to 0°	-90° to 0°	-90° to 0°	-90° to 3°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	69-897/27-356/ 14-179/7-90	69-897/27-356/ 14-179/7-90	65-1833/26-727/ 13-367/7183	65-1833/26-727/ 13-367/7183
Storage	Industrial SD card support with health monitoring	■	■	■	■
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting 2/1	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting 2/1	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting 2/1	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting 2/1
Connections	Alarm input / output	■/■	■/■	■/■	■/■
	Audio in / out	■/-	■/-	■/-	■/-
	Hybrid / public view monitor	-/-	-/-	-/-	-/-
Housing	Weather rating	IP51	IP65	IP51	IP66
	Vandal resistant	IK6	IK10	IK06	IK10
	Operating temperature	-10° to 55°C (14° to 131° F)	-10° to 55°C (14° to 131° F)	-10° to 60°C (14° to 140° F)	-40° to 60°C (-40° to 140° F)
Power input voltage	Power over Ethernet / 12V / 24Vac	■ (PoE+)/-■	■ (PoE+)/-■	■ (PoE+)/-■	■ (PoE+)/-■

Moving cameras PTZ

►AUTODOME IP starlight 5100i



20x zoom
4MP
HDR X
Inceiling



20x zoom
4MP
HDR X



IR+Whitelight
4MP
HDR X

■ Available – Not available

Commercial Type Number	NDP-5523-Z20C	NDP-5523-Z20	NDP-5523-Z30L
Video Analytics	■ Essential Video Analytics	■	■
Bitrate management	■ Intelligent Dynamic Noise Reduction	■	■
	■ Intelligent streaming	■	■
	■ Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution ■ 4MP Image sensor type ■ 1/1.8" CMOS Max. frames per second (fps) ■ 60 fps@4MP Indoor / outdoor ■/- Day / night ■ Wide Dynamic Range (WDR) ■ 133dB HDR X ONVIF conformant ■ Built-in microphone -	4MP 1/1.8" CMOS 60 fps@4MP ■/- ■ ■ 133dB HDR X ■ -	4MP 1/1.8" CMOS 60 fps@4MP ■/- ■ ■ 133dB HDR X ■ -
Advanced features	Intelligent Auto Exposure / Intelligent Defog ■/■ Privacy masking ■ Nbr of presets/guard tours ■ 256/2 Wiper -	■/■ ■ ■ 256/2 -	■/■ ■ ■ 256/2 ■ Auto
Alarm triggering	Tamper detection / Video motion detection ■/■ Built-in video analytics ■ Audio detection ■ PTZ Intelligent Tracking -	■/■ ■ ■ ■ -	■/■ ■ ■ ■ -
Sensitivity	Minimum illumination day mode (color) ■ 0.0107 lux Minimum illumination night mode (black / white) ■ 0.0016 lux White light - Night vision - Max. range at night -	0.0107 lux 0.0016 lux - - - - 320 m (1050 ft)	0.0107 lux 0.0016 lux - - ■ (infrared) 320 m (1050 ft)
Lens	Focal length ■ 6.5 - 130 mm Horizontal Angle of View (HAoV) ■ 3.5° to 61.1° PTZ Zoom optical/digital ■ 20x / 16x Tilt angle ■ -90° to 0°	6.5 - 130 mm 3.5° to 61.1° 20x / 16x -90° to 0°	6.5 - 130 mm 3.5° to 61.1° 20x/16x -90° to 0° 6.6 - 198 mm 2.1° to 58.5° 30x/16x -90° to 5°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard) 87-1676/34-665/17-335/9-168	87-1676/34-665/17-335/9-168	91-2794/36-1109/18-559/9-279
Storage	Industrial SD card support with health monitoring ■ Cloud application storage Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	■ Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	■ Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output ■ 2/1 Audio in / out ■/■	2/1 ■/■	2/1 ■/■
Housing	Weather rating ■ IP51 Vandal resistant ■ IK6 Operating temperature ■ -10° to 55°C (14° to 131° F)	IP66 IK10 -40° to 60°C (-40° to 140° F)	IP66 IK10 -40° to 60°C (-40° to 140° F)
Power input voltage	Power over Ethernet / 12V / 24Vac ■ (PoE+/-/-)	■ (PoE+/-/-)	■ IEEE802.3bt/-■

Moving cameras PTZ

►AUTODOME 7100i



►AUTODOME 7100i IR



■ Available – Not available

Commercial Type Number	NDP-7602-Z40	NDP-7602-Z40L	NDP-7604-Z12L
Video Analytics (Pre-installed)	■ IVA Pro Buildings ■ IVA Pro Perimeter ■ IVA Pro Privacy	■	■
Video Analytics available via license	■ IVA Pro Traffic ■ IVA Pro Visual Gun Detection ■ IVA Pro Appearance ■ IVA Pro Personal Protective Equipment ■ IVA Pro License Plate Recognition / Vehicle Make ■ Model / Dangerous Goods Signs ■ IVA Pro Intelligent Tracking ■ Intelligent Audio Analytics	■ – – – – – ■ –	■ – – – – – ■ –
Basic features	Maximum resolution 2MP Image sensor type 1/2.8" Max. frames per second (fps) 60fps High Dynamic Range (HDR) 120dB ONVIF conformant ■ Built-in microphone –	2MP 1/2.8" 60fps 120dB ■ –	2MP 1/2.8" 60fps 120dB ■ –
Advanced features	Privacy masking ■ Upright video mode – Electronic Image Stabilization (EIS) ■	■ – ■	■ – ■
Bitrate management	Intelligent streaming – Compression (H.265 / H.264 & MJPEG) ■ Multi streaming –	– ■ 3 streams	– ■ 3 streams
Sensitivity	Minimum illumination day mode (color) 0.00067 lux Minimum illumination night mode (black / white) 0.0010 lux Max. IR range –	0.00067 lux 0.0010 lux –	0.00067 lux 0.0010 lux 300 m 200 m
Lens	PTZ zoom optical / digital 40x / 32x Tilt angle -90° - +20° Focal length 4.25 - 170 mm Horizontal Field of View (HFOV) 66.35° - 1.9°	40x / 32x -90° - +20° 4.25 - 170 mm 66.35° - 1.9°	40x / 32x -90° - +20° 4.25 - 170 mm 66.35° - 1.9°
Storage	Industrial SD card support with health monitoring ■	■	■
Connections	Alarm input / output ■ Audio in / out ■ Hybrid / public view monitor –	■ ■ –	■ ■ –
Housing	Weather rating IP66 Vandal resistant IK10 Operating temperature -40 to 60°C	IP66 IK10 -40 to 60°C	IP66 IK10 -40 to 60°C
Power input voltage	Power over Ethernet / 12V / 24V PoE / 24V	PoE / 24V	PoE / 24V
Accessories	Modular mount compatible ■	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ) –	–	–

Moving cameras PTZ

►MIC inteoX 7100i



30x zoom
2MP



30x zoom
2MP



12x zoom
8MP

■ Available – Not available

Commercial Type Number	MIC-7602-Z30x	MIC-7602-Z30xR	MIC-7604-Z12xR
Video Analytics (Pre-installed)	IVA Pro Buildings IVA Pro Perimeter IVA Pro Privacy	■ ■ ■	■ ■ ■
Video Analytics available via license	IVA Pro Traffic IVA Pro Visual Gun Detection IVA Pro Appearance IVA Pro Personal Protective Equipment IVA Pro License Plate Recognition / Vehicle Make Model / Dangerous Goods Signs IVA Pro Intelligent Tracking Intelligent Audio Analytics	■ — — — — ■ —	■ — — — — ■ —
Basic features	Maximum resolution Image sensor type Max. frames per second (fps) High Dynamic Range (HDR) ONVIF conformant Built-in microphone	2MP 1/2" 30fps 120dB ■ —	2MP 1/2" 30fps 120dB ■ —
Advanced features	Privacy masking Upright video mode Electronic Image Stabilization (EIS)	■ — ■	■ — ■
Bitrate management	Intelligent streaming Compression (H.265 / H.264 & MJPEG) Multi streaming	— ■ 3 streams	— ■ 3 streams
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Max. IR range	0.0047 lux 0.0013 lux 550 m (optional)	0.0047 lux 0.0013 lux 550 m (optional)
Lens	PTZ zoom optical / digital Tilt angle Focal length Horizontal Field of View (HFOV)	30x / 12x -95° - +55° (inverted) 6.6 - 198 mm 58.3° - 2.1°	30x / 12x -95° - +55° (inverted) 6.6 - 198 mm 58.3° - 2.1°
Storage	Industrial SD card support with health monitoring	■	■
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	■ ■ —	■ ■ —
Housing	Weather rating Vandal resistant Operating temperature	IP68 IK10 -40 to 65°C	IP68 IK10 -40 to 65°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE / 24V	PoE / 24V
Accessories	Modular mount compatible	■	■
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	—	—

* Restricted product, contact your Bosch representative

Moving cameras PTZ

Moving cameras PTZ		►MIC IP starlight 7100i	►MIC IP ultra 7100i	►MIC IP fusion 9000i
		2MP	2MP	8MP
■ Available – Not available				
Commercial Type Number	MIC-7522-Z30x	MIC-7522-Z30xR	MIC-7505-Z12xR	MIC-9502-Z30xxx
Video Analytics	Intelligent Video Analytics (including standard Intelligent Tracking)	■	■	■ (Thermal and Optical)
Bitrate management	Intelligent Dynamic Noise Reduction Intelligent streaming Compression (H.265 / H.264 & MJPEG) / multi-streaming	■ ■/■/4 streams	■ ■/■/4 streams	■ ■/■/4 streams
Basic features	Maximum resolution Image sensor type Max. frames per second (fps)	HD 1080p 1/2" 60 fps@ 1080p	HD 1080p 1/2" 60 fps@ 1080p	4K UHD 1" 30 fps@ UHD 1/2 8" CMPS (optical) / Un-cooled microbolometer (thermal) <9/30 fps w/640 pixel (thermal) <9/60 fps w/320 pixel (thermal)
Advanced features	Indoor / outdoor Day / night Wide Dynamic Range (WDR) ONVIF conformant Intelligent Auto Exposure / Intelligent Defog Privacy masking Nbr of presets/guard tours Wiper / Built in window defroster Intelligent Tracking	-/■ ■ 120dB ■ ■/■ 256/2 ■/— ■ ■/■ ■/■	-/■ ■ 120dB ■ ■/■ 256/2 ■/■ ■ ■/■ ■/■	-/■ ■ 62dB ■ ■/■ 265/2 ■/■ ■ ■/■ ■/■
Alarm triggering	Tamper detection / Video motion detection PTZ Intelligent Tracking	■/■ ■	■/■ ■	■/■ ■/■ ■
Sensitivity	Minimum illumination day mode (color) Minimum illumination night mode (black / white) Night vision Max. range at night	0.0047 lux 0.0013 lux ■ (optional illuminator) 550 m (1804 ft)	0.0047 lux 0.0013 lux ■ (optional illuminator) 550 m (1804 ft)	0.292 lux 0.0110 lux ■ (optional illuminator) 300 m (984 ft) 300 m (971 ft) (optical) 1540 m (5050 ft) w/320 pixel (thermal) 3550 m (11,600 ft) w/640 pixel (thermal)
Lens	Focal length Horizontal Angle of View (HAoV) PTZ Zoom optical/digital Tilt angle	6.6 - 198 mm 2.1° to 58.3° 30x / 12x -55° to +90° (upright), -95° to +55° (inverted), -80° to +65° (canted)	6.6 - 198 mm 2.1° to 58.3° 30x / 12x -55° to +90° (upright), -95° to +55° (inverted), -80° to +65° (canted)	9.3 - 111.6 mm 6.1° to 64.6° 12x / 12x -55° to +90° (upright), -95° to +55° (inverted), -80° to +65° (canted) 30x / 12x
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	wide 69-226/27-89/14-46/7-23 tele 2895-6873/834-2726/419-1375/210-689	wide 69-226/27-89/14-46/7-23 tele 2895-6873/834-2726/419-1375/210-689 ■ (up to 2TB)	wide 108-355/43-142/22-71/11-36 tele 154-504/61-202/31-101/15-50 ■ (up to 2TB)
Storage	Memory card slot Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting ■ internal EMMC memory 16GB Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output Audio in / out Hybrid / public view monitor	5/3 (with MIC-ALM-WAS-24) ■ (with external decoder)/—	5/3 (with MIC-ALM-WAS-24) ■ (with external decoder)/—	5/3 (with MIC-ALM-WAS-24) ■ (with external decoder)/— 5/3 (with MIC-ALM-WAS-24) ■/■
Housing	Weather rating Vandal resistant Operating temperature	IP68 IK10 -40° to +65°C (-40° to +149°F)	IP68 IK10 -40° to +65°C (-40° to +149°F)	IP68 IK10 -40° to +65°C (-40° to +149°F) IP68 IK10 -40° to +65°C (-40° to +149°F)
Power input voltage	Power over Ethernet / 12V / 24Vac	■ HiPoE /—/■	■ HiPoE /—/■	■ HiPoE /—/■ ■ (HiPoE)/—/■

All-in-one video recording and management

All-in-one solution				
	►DIVAR IP all-in-one 4000	►DIVAR IP all-in-one 6000	►DIVAR IP all-in-one 7000 2U	►DIVAR IP all-in-one 7000 3U
				

■ Available – Not available

Commercial Type Number	DIP-442xxx-xxx	DIP-644x-xxx	DIP-74Cx-xxx	DIP-74Gx-xxx
Basic functions				
Max. system size (channels)	32	64	256	256
Embedded video management	■	■	■	■
RAID Level	–	RAID-5, RAID-6	RAID-5, RAID-6	RAID-5, RAID-6
Operating system drive	On separate SSD	On separate SSD	On separate redundant SSD	On separate redundant SSD
Supported resolutions	CIF/2CIF/4CIF/720p/1080p/ 5MP/UHD	CIF/2CIF/4CIF/720p/1080p/ 5MP/UHD	CIF/2CIF/4CIF/720p/1080p/ 5MP/UHD	CIF/2CIF/4CIF/720p/1080p/ 5MP/UHD
Video compression	H.264, H.265, MPEG-4, ONVIF, RTSP, JPEG			
Transcoding	■	■	■	■
ONVIF	■	■	■	■
Mechanical				
Form factor	2-bay Mini-Tower	1U 19-inch Rack Mount	2U 19-inch Rack Mount	3U 19-inch Rack Mount
Network connections (LAN)	2x Gigabit Ethernet	2x Gigabit Ethernet, 1x 1 Gbps (Mgmt)	2x Gigabit Ethernet, 1x 1 Gbps (Mgmt)	2x Gigabit Ethernet, 1x 1 Gbps (Mgmt)
USB ports	2x USB2.0, 4x USB3.2 Gen2	2x USB2.0, 4x USB3.2 Gen2	4x USB3.2 Gen1	4x USB3.2 Gen1
Number of power supplies	1	1	2	2
Power supplies hot swappable	–	–	■	■
Video output				
Connector type	1 HDMI2.0, 1 HDMI1.4, 1 DP 1.2	2x DP 1.2, 1x DVI-D	2 x HDMI2.0	2 x HDMI2.0
Monitor output	3	3	2	2
Audio				
In / out channels	32	64	256	256
Compression type	G.711, G.726, ACC	G.711, G.726, ACC	G.711, G.726, ACC	G.711, G.726, ACC
Synchronous audio	■	■	■	■
Recording				
Video Recording Manager (VRM)	■	■	■	■
Schedule recording modes	■	■	■	■
Storage options				
Max. drives supported	2	4	12	16
Available capacities per drive	4, 8 or 18TB			
Base system capacity TB	0, 8, 16 or 36TB	0, 16, 32 or 72TB	0, 32, 64, 144 or 216TB	0, 288TB
Max. Base system capacity TB	36TB	72TB	216TB	288TB
Full system capacity TB	108TB	360TB	1368TB	1440TB
Extenable / external support	iSCSI	iSCSI	iSCSI	iSCSI
Storage extensions				
Max. number of units	2x DIVAR IP all-in-one 4000 configured as storage extension	4x DIVAR IP all-in-one 6000 configured as storage extension	4x DIVAR IP all-in-one 7000 configured as storage extension	4x DIVAR IP all-in-one 7000 configured as storage extension
Maximum drives supported	2	4	12	16
Available capacities per drive	4, 8 or 18TB			
Hot swappable	–	■	■	■
Export/back-up of data				
Data format	native, MOV, MP4	native, MOV, MP4	native, MOV, MP4	native, MOV, MP4
Built-in DVD writer	–	–	–	–
Supported devices	External CD/DVD Writer, USB 2.0, USB 3.0, iSCSI	External CD/DVD Writer, USB 2.0, USB 3.0, iSCSI	External CD/DVD Writer, USB 3.0, iSCSI	External CD/DVD Writer, USB 3.0, iSCSI
Back-up mode	Manual or Automatic	Manual or Automatic	Manual or Automatic	Manual or Automatic

All-in-one video recording and management

All-in-one solution

[►DIVAR IP all-in-one 4000](#)

[►DIVAR IP all-in-one 6000](#)

[►DIVAR IP all-in-one 7000 2U](#)

[►DIVAR IP all-in-one 7000 3U](#)



■ Available – Not available

Commercial Type Number	DIP-442xxx-xxx	DIP-644x-xxx	DIP-74Cx-xxx	DIP-74Gx-xxx
Redundancy	Power supply redundancy	-	-	■
	Hot swappable HDD	-	■	■
	Teamed Ethernet Network ports	■	■	■
	Redundant operating system drive	-	-	■
Software options	PTZ control	■	■	■
	CCTV keyboard support	■	■	■
	Admin control	■	■	■
	Export options	■	■	■
Remote access	Mobile device (smart phone / tablet)	■ Video security app 10/100/1000 Ethernet	■ Video security app 10/100/1000 Ethernet	■ Video security app 10/100/1000 Ethernet
	Network			■ Video security app 10/100/1000 Ethernet
	Web browser access	■	■	■
	Simultaneous accessible users	4	4	4
Advanced features support	Forensic search support (metadata)	■	■	■
	Webclient	■	■	■
Supported software	Bosch Video Management System	■ (v11.1.1 or newer)	■ (v11.1.1 or newer)	■ (v12.1.0 or newer)
	3rd Party software	-	-	-
3rd party integration tools	ATM/POS integration	■	■	■
	Operating System	Windows Server IoT 2022 for Storage Workgroup	Windows Server IoT 2022 for Storage Workgroup	Windows Server IoT 2022 for Storage Standard
				Windows Server IoT 2022 for Storage Standard

Storage solutions

Network Video Recorder

►DSA E-Series



■ Available – Not available

Commercial Type Number	DSA-N6xxxx-xxxx
Basic functions	
Max. system size (channels)	800
Integrated video management	—
RAID Level	RAID-5/RAID-6/DDP
Supported resolutions	CIF/2CIF/4CIF/720p/1080p/5MP
Video compression	H.264, H.265, MPEG-4, ONVIF, RTSP, JPEG
Transcoding	—
ONVIF	■
Mechanical	
Form factor	2U/4U 19-inch Rack Mount
Network connections (LAN)	2x Gigabit Ethernet/ 2x 10 Gigabit Ethernet
USB ports	—
Number of power supplies	2
Power supplies hot swappable	■
Video output	
Connector type	—
Monitor output	—
Audio	
In / out channels	800 (audio playback via remote station only)
Compression type	G.726
Synchronous audio	■
Associate multiple cameras to 1 Audio	■
Recording	
Video Recording Manager (VRM)	—
Schedule recording modes	■
Storage options	
Max. drives supported	12/60
Available capacities per drive	4, 8 or 12TB
Base system capacity TB	—
Max. Base system capacity TB	12 bay: 48/96/144TB 60 bay: 240/480/720TB
Full system capacity TB	12 bay: 384/ 768/ 1152TB 60 bay: 720/1440/2160TB
Extenable / external support	6Gb/s SAS (Copper)
Storage extention	
Max. number of units	12 bay: 7 / 60 bay: 3
Maximum drives supported	12/60
Available capacities per drive	4, 8 or 12TB
Hot swappable	■
Export/back-up of data	
Data format	WMF, Bosch ASF
Built-in DVD writer	—
Supported devices	External CD/DVD Writer, USB 2.0, iSCSI
Back-up mode	manual or automatic
Redundancy	
Power supply redundancy	■
Hot swappable HDD	■

Table continued on the next page

Storage solutions

Network Video Recorder

►DSA E-Series



■ Available – Not available

Commercial Type Number		DSA-N6xxxx-xxxx
Redundancy	Power supply redundancy	—
	Hot swappable HDD	—
Software options	PTZ control	—
	CCTV keyboard support	—
	Admin control	—
	Export options	—
Remote access	Mobile device (smart phone / tablet)	—
	Network	2x 10 Gigabit Ethernet
	Web browser access	—
	Simultaneous accessible users	—
Advanced features support	Forensic search support (metadata)	—
	Webclient	■
Supported software	Bosch Video Client	—
	Bosch Video Management System	—
	3 rd Party software	—
3 rd party integration tools	Optional ATM/POS integration	—

Video software

►Video Management System



■ Available – Not available

Name	BVMS Viewer	BVMS Lite	DIVAR IP all-in-one 4000	DIVAR IP all-in-one 6000	DIVAR IP all-in-one 7000	BVMS Plus	BVMS Professional
System features							
Included cameras (max cameras)	16 (500)	8 (42)	8 (32)	8 (64)	8 (256)	8 (256)	8 (2.000)
Maximum number of workstations	1 (1)	2 (5)	2 (5)	2 (20)	2 (20)	5 (20)	5 (100)
Maximum number of BVMS subsystems	–	–	–	0 (20)	0 (20)	0 (20)	0 (100)
Maximum number of Bosch VRM servers	32 ¹	2	2	2	2	2	125
Maximum storage capacity	n.a.	2 x 4 PB	3 x 36 TB	5 x 72 TB	5 x 192 TB	2 x 4 PB	125 x 4 PB
Forensic search	■	■	■	■	■	■	■
DVR support	5 (32)	1 (10)	1 (10)	1 (10)	1 (10)	1 (10)	1 (50)
Events and alarms	–	■	■	■	■	■	■
Streamlining	–	■	■	■	■	■	■
GPU decoding	■	■	■	■	■	■	■
Remote access	–	■	■	■	■	■	■
Dynamic transcoding	■	■ ²	■	■	■	■ ²	■ ²
Web client	–	–	–	–	–	–	–
Keyboard support	1 (1)	2 (5)	2 (5)	2 (10)	2 (10)	5 (10)	5 (100)
Offline map functionality	–	■	■	■	■	■	■
Online map functionality	–	■	■	■	■	■	■
Map-based tracking assistant	–	■	■	■	■	■	■
Audio support	■	■	■	■	■	■	■
Decoder support	–	■	■	■	■	■	■
BVMS Config Wizard	–	■	■	■	■	■	■
Live & Playback sites	16 (9999)	–	–	0 (20)	0 (20)	1 (20)	1 (9999)
Supported camera devices							
Bosch panoramic cameras	■	■	■	■	■	■	■
Bosch UHD cameras	■	■	■	■	■	■	■
Bosch HD cameras	■	■	■	■	■	■	■
Bosch SD / VGA cameras	■	■	■	■	■	■	■
Third party ONVIF Profile S cameras	■	■	■	■	■	■	■
Bosch H.265 cameras	■	■	■	■	■	■	■
Redundancy							
Automatic Network Replenishment (ANR)	–	■	■	■	■	■	■
VMware® vSphere / Microsoft Hyper-V	–	■	–	–	–	■	■
Virtualization support	–	■	–	–	–	■	■
VMware® vSphere High Availability support	–	■	–	–	–	■	■
Microsoft Hyper-V Failover Cluster and Hyper-V	–	■	–	–	–	■	■
Replica support	–	–	–	–	–	–	–
Failover VRM	–	8 (42)	0 (32)	0 (64)	0 (256)	8 (256)	8 (2000)
Dual Recording	–	8 (42)	0 (32)	0 (64)	0 (256)	8 (256)	8 (2000)
Alarm management							
Logbook	–	■	■	■	■	■	■
Events and alarms	–	■	■	■	■	■	■
Email notification	–	■	■	■	■	■	■
Alarm-based recording	n.a.	■	■	■	■	■	■
Motion recording	n.a.	■	■	■	■	■	■
Video Analytics events	–	■	■	■	■	■	■
SNMP support	–	■	■	■	■	■	■
Workflow with instructions on alarm	–	■	■	■	■	■	■
Integration							
Maximum number of Bosch B/G Series intrusion panels	–	1 (5)	1 (5)	1 (10)	1 (10)	1 (10)	1 (40)
Access Management System	–	5	5	5	5	5	5
I/O module support	–	■	■	■	■	■	■
Active directory	■	■	■	■	■	■	■
ATM-POS support	–	■	■	■	■	■	■
Additional data	–	■	■	■	■	■	■
License plate recognition	–	0 (5)	0 (5)	0 (10)	0 (10)	0 (10)	0 (50)
Software Development Kit (SDK)	–	■	■	■	■	■	■

¹ limited

² additional hardware required

Video software

* <=64 recommended for WAN connections

Decoders

►VIDEOJET decoder 7000



■ Available – Not available

Commercial Type Number		VJD-7523
	Description	High performance H.265 UHD decoder
Video/Audio	Monitor Outputs	2x HDMI 2.0a 2x DisplayPort 1.2 (via USB-C)
	Video Codec	H.265, H.264, MPEG-4, MPEG-2
	Max. frames per second (fps)	5x 30@UHD* 10x 60@1080p* 20x 60@720p* 32x 30@432p*
	Audio in / out	via HDMI
	Transcoding at the edge	–
Interfaces	Alarm In	–
	Relay Out	–
	ONVIF conformant	–
Other	Keyboard	supported for IP Matrix
	IP Matrix	■

* at 25°C with a single HD monitor connected

LED monitors

►High Definition



23.8"



27"



27"



32"



43"



55"

■ Available – Not available

Commercial Type Number	UML-245-90	UML-275-90	UML-274-90	UML-324-90	UML-434-90	UML-554-90
Display	Type	23.8" LED	27" LED	27" LED	32" LED	43" LED
	Max Pixel Resolution	1920x1080	3840x2160	1920x1080	1920x1080	1920x1080
	Aspect Ratio	16:9	16:9	16:9	16:9	16:9
	Brightness (cd/m ²)	250	300	350	500	400
	Contrast Ratio	1000:1	1000:1	3000:1	3000:1	3000:1
	Backlight	30,000 hrs	30,000 hrs	30,000 hrs	50,000 hrs	50,000 hrs
Connectors	Viewing Angle (HxV)	178x178	178x178	178x178	178x178	178x178
	Composite Video (BNC)	-	-	-	-	-
	VGA	-	-	-	-	-
	DVI-D	-	-	-	-	-
	HDMI	■	■	■	■	■
	Display Port	■	■	■	■	■
Audio	Input	-	-	-	-	-
	Speaker	■	■	■	■	■
Mechanical	Width	541 mm	615.1 mm	633.6 mm	737.9 mm	978.3 mm
	Height	387.3 mm	428.4 mm	371.8 mm	431.5 mm	568.8 mm
	Depth	219.7 mm	219.7 mm	64.8 mm	71.5 mm	74.7 mm
	Weight	3.5 kg	4.0 kg	6.8 kg	11.6 kg	18.6 kg
Power	Power Supply	Separate	Separate	Integrated	Integrated	Integrated
	Power Consumption	<35W	<45W	<50W	<60W	<75W
Misc.	Picture-in-picture	-	-	-	-	-
	Front Panel Lockout	-	-	-	-	-
	IR Remote	-	-	■	■	■
Cables Included	VGA-to-VGA	-	-	■	■	■
	HDMI-to-HDMI	■	■	■	■	■
	DVI-to-DVI	-	-	-	-	-
	DP-to-DP	■	■	■	■	■
	DP-to-MiniDP converter	■	■	■	■	■
Mounting	VESA Compliant	■	■	■	■	■
	Rack-mountable	-	-	-	-	-
	Fixed desktop stand	within box	within box	within box	within box	within box
	Adjustable desktop stand	UMM-LED27-SD	UMM-LED27-SD	UMM-LED27-SD	-	-
	Fixed Wall Mount	-	-	-	-	ST650
	Swivel/Tilt Wall Mount	UMM-LW-30B	UMM-LW-30B	UMM-LW-30B	UMM-WMT-32	-