Invented for life

BOSCH

North American version

Video Systems Product Overview

November 2024

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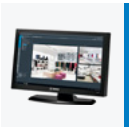
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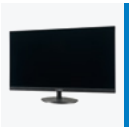
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Why Bosch Video Systems?

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

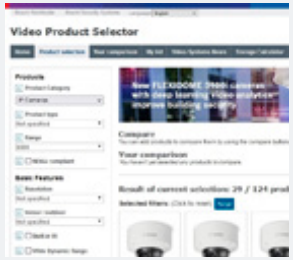
Data and cybersecurity

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

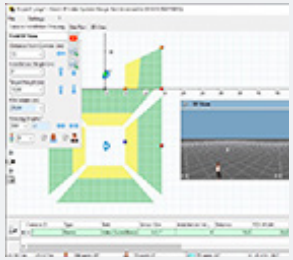


Video Product Selector

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 AutoDesk Revit

Video Storage calculator

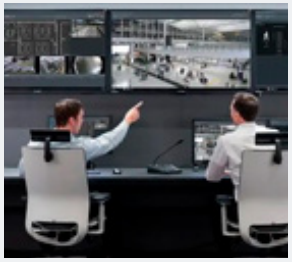
Determine storage capacity requirements

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

Government

Innovative security solutions that are scalable, reliable, and sustainable for government applications

Education

School Security and Campus Surveillance Systems

More Video Systems resources

Video Systems News

The latest updates on new products, solutions or customer stories

Customer stories

Take a look at customer success stories

Download Store

Download the latest software and firmware files

Marketing Asset Library

Access a wide variety of marketing communications material

Product catalog

Find datasheet, installation manuals and more in the product catalog

Building Technologies Academy

Our training courses for integrators

Where to buy

Use the dealer search to find your local partner

Social media

LinkedIn X YouTube Facebook

Our global technology partners

Genetec EAGLE EYE NETWORKS milestone

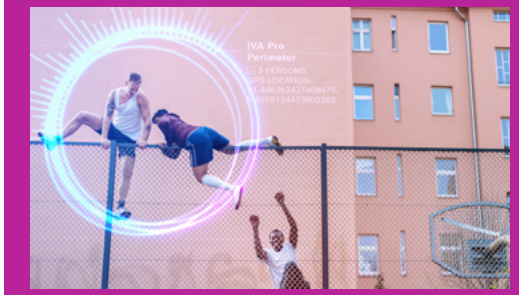
Bosch AI–driven Video Analytics

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

Intelligent Video Analytics

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

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 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

Intelligent Video Analytics Pro

FLEXIDOME micro 3100i

NUV-3702-Fxx
30 fps@1080p

FLEXIDOME micro 3100i

NUV-3703-Fxx
30 fps@5MP

FLEXIDOME indoor 3100i

NDI-3702-A
2MP

FLEXIDOME indoor 3100i

NDI-3703-A
5MP

FLEXIDOME indoor 3100i IR

NDI-3702-AL
2MP

FLEXIDOME indoor 3100i IR

NDI-3703-AL
2MP

FLEXIDOME indoor 5100i

NDV-5702-A
60 fps@1080p

FLEXIDOME indoor 5100i IR

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

FLEXIDOME indoor 5100i

NDV-5703-A
30 fps@5MP

FLEXIDOME indoor 5100i IR

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

FLEXIDOME indoor 5100i

NDV-5704-A
30 fps@UHD 4K

FLEXIDOME indoor 5100i IR

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

FLEXIDOME panoramic 5100i

NDS-5703-F360
30 fps@6MP

FLEXIDOME panoramic 5100i

NDS-5704-F360
30 fps@12MP

Fixed cameras

Outdoor

Intelligent Video Analytics

DINION IP thermal 8000

NHT-8001-F
VGA

DINION IP thermal 8000

NHT-8000-F
QVGA

FLEXIDOME IP starlight 8000i

NDE-8512-R(T)
1080p, starlight, HDR

FLEXIDOME IP starlight 8000i

NDE-8513-R(T)
6MP, starlight, HDR

FLEXIDOME IP starlight 8000i

NDE-8514-R(T)
4K UHD, starlight, HDR

FLEXIDOME IP starlight 8000i

NDE-8512-RX(T)
1080p HDR X, starlight X

FLEXIDOME IP starlight 8000i

NDE-8513-RX(T)
4MP HDR X, starlight X

Intelligent Video Analytics Pro

FLEXIDOME micro 3100i

NUE-3702-Fxx
30 fps@1080p

FLEXIDOME micro 3100i

NUE-3703-Fxx
30 fps@5MP

FLEXIDOME outdoor 3100i IR

NDE-3702-AL
2MP

FLEXIDOME outdoor 3100i IR

NDE-3703-AL
5MP

FLEXIDOME outdoor 5100i

NDE-5702-A
60 fps@1080p

FLEXIDOME outdoor 5100i IR

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

FLEXIDOME outdoor 5100i

NDE-5703-A
30 fps@5MP

FLEXIDOME outdoor 5100i IR

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

FLEXIDOME outdoor 5100i

NDE-5704-A
30 fps@UHD 4K

FLEXIDOME outdoor 5100i IR

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

FLEXIDOME corner 7100i

NCE-7703-FK
30fps@6MP, IR

FLEXIDOME 8100i

NDE-8702-RX(T)
2MP, X series

FLEXIDOME 8100i IR

NDE-8702-RXL
2MP. X series

FLEXIDOME 8100i

NDE-8703-RX(T)
4MP, X series

FLEXIDOME 8100i IR

NDE-8703-RXL
4MP, X series

FLEXIDOME 8100i

NDE-8703-R(T)
6MP

FLEXIDOME 8100i IR

NDE-8703-RL
6MP

FLEXIDOME 8100i

NDE-8704-R(T)
8MP

FLEXIDOME 8100i IR

NDE-8704-RL
8MP

FLEXIDOME 8100i

NDE-8704-RX
8MP, X series

FLEXIDOME 8100i IR

NDE-8704-RXL
8MP, X series

DINION 3100i IR

NBE-3702-AL
30 fps@1080p, IR

DINION 3100i IR

NBE-3703-AL
30 fps@5MP, IR

DINION 5100i IR

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

DINION 5100i IR

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

DINION 5100i IR

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

DINION 7100i IR

NBE-7702-ALX
60 fps@1080p, IR

DINION 7100i IR

NBE-7702-ALXT
60 fps@1080p, IR

DINION 7100i IR

NBE-7703-ALX
60 fps@4MP, IR

DINION 7100i IR

NBE-7703-ALXT
60 fps@4MP, IR

DINION 7100i IR

NBE-7704-ALX
30 fps@8MP, IR

DINION 7100i IR

NBE-7704-ALT
30 fps@8MP, IR

DINION 7100i IR

NBE-7704-AL
30 fps@8MP, IR

FLEXIDOME panoramic 5100i IR

NDS-5703-F360LE
30 fps@6MP

FLEXIDOME panoramic 5100i IR

NDS-5704-F360LE
30 fps@12MP

FLEXIDOME multi 7000i

NDM-7702-A
30 fps@4x 3MP

FLEXIDOME multi 7000i

NDM-7703-A
30 fps@4x 5MP

FLEXIDOME multi 7000i IR

NDM-7702-AL
30 fps@4x 3MP

FLEXIDOME multi 7000i IR

NDM-7703-AL
30 fps@4x 5MP

Moving cameras

Outdoor

Intelligent Video Analytics Pro

AUTODOME 7100i

NDP-7602-Z40
60 fps@1080p, starlight

AUTODOME 7100i IR

NDP-7602-Z40L
60 fps@1080p, starlight, IR

AUTODOME 7100i IR

NDP-7604-Z12L
30 fps@4K UHD, IR

Extreme outdoor

Optical

MIC IP starlight 7100i

MIC-7522-Z30x
60 fps@1080p, starlight, 30x zoom, Intelligent Video Analytics

MIC IP ultra 7100i

MIC-7505-Z12xR
30 fps@4K UHD, 12x zoom, Intelligent Video Analytics

MIC inteox 7100i

MIC-7602-Z30x
30 fps@1080p, 30x, Intelligent Video Analytics Pro

MIC inteox 7100i

MIC-7602-Z30xx
30 fps@1080p, 30x, Enhanced version, Intelligent Video Analytics Pro

MIC inteox 7100i

MIC-7604-Z12xx
30 fps@UHD, 12x, Intelligent Video Analytics Pro

Optical & Thermal

MIC IP fusion 9000i

MIC-9502-Z30xxx
60 fps@1080p, fusion, Intelligent Video Analytics

Fixed dome cameras

▪ Available – Not available

		▸FLEXIDOME micro 3100i indoor		▸FLEXIDOME micro 3100i outdoor	
		2MP Indoor	5MP Indoor	2MP Outdoor	5MP Outdoor
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	2MP	5MP	2MP	5MP
	Image sensor type	1/2.8"	1/2.7"	1/2.8"	1/2.7"
	Max. frames per second (fps)	30fps	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	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	3 streams	3 streams	3 streams	3 streams
Sensitivity	Minimum illumination day mode (color)	0.1 lux	0.15 lux	0.1 lux	0.15 lux
	Minimum illumination night mode (black / white)	–	–	–	–
	Max. IR range	–	–	–	–
Lens	Automatic varifocal	–	–	–	–
	Focal length	2.49 mm / 3.2 mm / 6 mm	2.49 mm / 3.2 mm / 6 mm	2.49 mm / 3.2 mm / 6 mm	2.49 mm / 3.2 mm / 6 mm
	Horizontal Field of View (HFoV)	137° / 106° / 58.5°	131.2° / 100.8° / 56.1°	137° / 106° / 58.5°	131.2° / 100.8° / 56.1°
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	IK08	IK08	IK10	IK10
	Operating temperature	0 to 40°C	0 to 40°C	-30 to 50°C	-30 to 50°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	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	2MP	5MP	2MP	5MP
	Image sensor type	1/2.8"	1/2.7"	1/2.8"	1/2.7"
	Max. frames per second (fps)	30fps	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	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	3 streams	3 streams	3 streams	3 streams
Sensitivity	Minimum illumination day mode (color)	0.06 lux	0.14 lux	0.06 lux	0.14 lux
	Minimum illumination night mode (black / white)	0.016 lux	0.03 lux	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	3.3 - 10.2 mm	3.3 - 10.2 mm
	Horizontal Field of View (HFoV)	106° - 31.2°	101.4° - 30.1°	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	–	–	–	–
	Vandal resistant	–	–	–	–
	Operating temperature	0 to 40°C	0 to 40°C	0 to 40°C	0 to 40°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	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	5MP	8MP
	Image sensor type	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps)	60fps	30fps	30fps
	High Dynamic Range (HDR)	144dB	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)	0.021 lux	0.044 lux	0.065 lux
	Minimum illumination night mode (black / white)	0.004 lux	0.01 lux	0.02 lux
	Max. IR range	45 m	45 m	40 m
Lens	Automatic varifocal	■	■	■
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Field of View (HFoV)	105° - 31°	96° - 29°	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	IP54	IP54
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-20 to 50°C	-20 to 50°C	-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	2MP	5MP	8MP
	Image sensor type	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps)	60fps	30fps	30fps
	High Dynamic Range (HDR)	144dB	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)	0.021 lux	0.044 lux	0.065 lux
	Minimum illumination night mode (black / white)	0.004 lux	0.01 lux	0.02 lux
	Max. IR range	45 m	45 m	40 m
Lens	Automatic varifocal	■	■	■
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Field of View (HFoV)	105° - 31°	96° - 29°	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	IP54	IP54
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-20 to 50°C	-20 to 50°C	-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	2MP	5MP	8MP
	Image sensor type	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps)	60fps	30fps	30fps
	High Dynamic Range (HDR)	144dB	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)	0.021 lux	0.044 lux	0.065 lux
	Minimum illumination night mode (black / white)	0.004 lux	0.01 lux	0.02 lux
	Max. IR range	45 m	45 m	40 m
Lens	Automatic varifocal	■	■	■
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Field of View (HFoV)	105° - 31°	96° - 29°	105° - 31°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output	■	■	■
	Audio in / out	■	■	■
	Hybrid / public view monitor	■	■	–
Housing	Weather rating	IP66	IP66	IP66
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-40 to 55°C	-40 to 55°C	-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	5MP	8MP
	Image sensor type	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps)	60fps	30fps	30fps
	High Dynamic Range (HDR)	144dB	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)	0.021 lux	0.044 lux	0.065 lux
	Minimum illumination night mode (black / white)	0.004 lux	0.01 lux	0.02 lux
	Max. IR range	45 m	45 m	40 m
Lens	Automatic varifocal	■	■	■
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Field of View (HFoV)	105° - 31°	96° - 29°	105° - 31°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output	■	■	■
	Audio in / out	■	■	■
	Hybrid / public view monitor	■	■	–
Housing	Weather rating	IP66	IP66	IP66
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-40 to 55°C	-40 to 55°C	-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	–	–	–	–
	Intelligent Audio Analytics	–	■	–	■
Basic features	Maximum resolution	6MP	6MP	8MP	8MP
	Image sensor type	1/1.8"	1/1.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	30fps	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	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	4 streams
Sensitivity	Minimum illumination day mode (color)	0.054 / 0.0899 lux	0.054 lux	0.036 / 0.0885 lux	0.036 lux
	Minimum illumination night mode (black / white)	0.0098 / 0.0095 lux	0.0098 lux	0.0054 / 0.0083 lux	0.0054 lux
	Max. IR range		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	3.9 - 10 mm
	Horizontal Field of View (HFoV)	117° - 44° / (T): 36° - 12°	117° - 44°	117° - 44° / (T): 36° - 12°	117° - 44°
Storage	Industrial SD card support with health monitoring	Dual microSD	Dual microSD	Dual microSD	Dual microSD
Connections	Alarm input / output	■	■	■	■
	Audio in / out	■	■	■	■
	Hybrid / public view monitor	–	–	–	–
Housing	Weather rating	IP67	IP67	IP67	IP67
	Vandal resistant	IK11	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)	-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	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	2MP	2MP	4MP
	Image sensor type	1/1.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	60fps	60fps	60fps
	High Dynamic Range (HDR)	141dB	120dB	141dB
	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)	0.0078 / 0.054 lux	0.0078 lux	0.009 / 0.0252 lux
	Minimum illumination night mode (black / white)	0.0011 / 0.0095 lux	0.0011 lux	0.0007 / 0.0022 lux
	Max. IR range		50m	
Lens	Automatic varifocal	■	■	■
	Focal length	4.4 - 10 mm / 12 - 38 mm	4.4 - 10 mm	4.4 - 10 mm / 12 - 38 mm
	Horizontal Field of View (HFoV)	110° - 56° / (T): 36° - 12°	110° - 56°	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	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

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	4MP	8MP	8MP
	Image sensor type	1/1.8"	1/1.2"	1/1.2"
	Max. frames per second (fps)	60fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	128dB	128dB
	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)	0.009 lux	0.0122 lux	0.0122 lux
	Minimum illumination night mode (black / white)	0.0007 lux	0.0015 lux	0.0015 lux
	Max. IR range	50m		40 m
Lens	Automatic varifocal	■	■	■
	Focal length	4.4 - 10 mm	5.9 - 13 mm	5.9 - 13 mm
	Horizontal Field of View (HFoV)	110° - 56°	110° - 48°	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	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

▪ Available – Not available

		▸FLEXIDOME IP starlight 8000i		
		2MP Outdoor	6MP Outdoor	8MP Outdoor
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	▪/▪/4 streams
Basic features	Maximum resolution	HD 1080p	6MP	4K UHD
	Image sensor type	1/2.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	60	30	30
	Indoor / outdoor	▪/▪	▪/▪	▪/▪
	Day / night	▪	▪	▪
	Wide Dynamic Range (WDR)	146dB HDR	120dB 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)	0.0540 lux (R) / 0.1251 lux (RT)
	Minimum illumination night mode (black / white)	0.0039 lux (R) / 0.0066 lux (RT)	0.0086 lux (R) / 0.0198 lux (RT)	0.0098 lux (R) / 0.0200 lux (RT)
	Night vision	▪ (starlight)	▪ (starlight)	▪ (starlight)
	Max. range at night (IR range)	–	–	–
Lens	Automatic varifocal	▪ (P-iris)	▪ (P-iris)	▪ (P-iris)
	Focal length	3 - 9 mm (R) / 10 - 23 mm (RT)	3.9 - 10 mm (R) / 12 - 40 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)	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	47-190/195-75/9-38/5-19 236-696/94-276/47-139/24-70
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	2/1 + 12V 50mA out	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	IP66, IP6K9K and NEMA type 4X
	Vandal resistant	IK10+	IK10+	IK10+
	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	▪/▪/▪	▪/▪/▪	▪/▪/▪
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	■/■/4 streams
Basic features	Maximum resolution	HD 1080p	4.1MP
	Image sensor type	1/1.8"	1/1.8"
	Max. frames per second (fps)	60	60
	Indoor	■	■
	Day / night	■	■
	Wide Dynamic Range (WDR)	144dB HDR X	141dB 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	0.0078 lux
	Minimum illumination night mode (black / white)	0.0007 lux	0.0008 lux
	Night vision	■ (starlight X)	■ (starlight X)
	Max. range at night (IR range)	–	–
Lens	Automatic varifocal	■ (P-iris)	■ (P-iris)
	Focal length	4.4 - 10 mm	4.4 - 10 mm
	Horizontal Angle of View (HAoV)	110° - 48°	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	38-121/15-48/8-24/4-12
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	4x virtual input	4x virtual input
	Audio in / out	–	–
	Hybrid / public view monitor	–	–
Housing	Weather rating	IP5X / IP54 with NDA–8001–IP	IP5X / IP54 with NDA–8001–IP
	Vandal resistant	IK10	IK10
	Operating temperature	-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 / – / –
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	■/■/4 streams
Basic features	Maximum resolution	HD 1080p	4.1MP
	Image sensor type	1/1.8"	1/1.8"
	Max. frames per second (fps)	60	60
	Indoor / outdoor	■/■	■/■
	Day / night	■	■
	Wide Dynamic Range (WDR)	144dB HDR X	141dB 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)	0.0078 lux (R) / 0.0247 lux (RT)
	Minimum illumination night mode (black / white)	0.0007 lux (R) / 0.0026 lux (RT)	0.0008 lux (R) / 0.0030 lux (RT)
	Night vision	■ (starlight X)	■ (starlight X)
	Max. range at night (IR range)	–	–
Lens	Automatic varifocal	■ (P-iris)	■ (P-iris)
	Focal length	4.4 - 10 mm (R) / 12 - 40 mm (RT)	4.4 - 10 mm (R) / 12 - 40 mm (RT)
	Horizontal Angle of View (HAoV)	110° - 48° (R) / 36.8° - 12.8° (RT)	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	38-121/15-48/8-24/4-12 162-479/64-190/32/96/16-48
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

▪ Available – Not available

		▸FLEXIDOME IP indoor 8000i		
		2MP Indoor	6MP Indoor	8MP Indoor
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	▪/▪/4 streams
Basic features	Maximum resolution	HD 1080p	6MP	4K UHD
	Image sensor type	1/2.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	60	30	30
	Indoor	▪	▪	▪
	Day / night	▪	▪	▪
	Wide Dynamic Range (WDR)	146dB HDR	120dB 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	0.0540 lux
	Minimum illumination night mode (black / white)	0.0039 lux	0.0086 lux	0.0098 lux
	Night vision	▪ (starlight)	▪ (starlight)	▪ (starlight)
	Max. range at night (IR range)	–	–	–
Lens	Automatic varifocal	▪ (P-iris)	▪ (P-iris)	▪ (P-iris)
	Focal length	3 - 9 mm	3.9 - 10 mm	3.9 - 10 mm
	Horizontal Angle of View (HAoV)	117° - 37°	117° - 44°	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	IP5X / IP54 with NDA-8001-IP	IP5X / IP54 with NDA-8001-IP
	Vandal resistant	IK10	IK10	IK10
	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

▪ Available – Not available

Commercial Type Number		▸FLEXIDOME panoramic 5100i		▸FLEXIDOME panoramic 5100i IR	
		6MP Indoor	12MP Indoor	IR 6MP Outdoor	IR 12MP Outdoor
		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	12MP
	Image sensor type	1/1.8"	1/2.3"	1/1.8"	1/2.3"
	Max. frames per second (fps)	30fps	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	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	4 streams
Sensitivity	Minimum illumination day mode (color)	0.099 lux	0.15 lux	0.099 lux	0.15 lux
	Minimum illumination night mode (black / white)	0.008 lux	0.048 lux	0.008 lux	0.048 lux
	Max. IR range	–	–	20 m	20 m
Lens	Automatic varifocal	–	–	–	–
	Focal length	1.155 mm	1.26 mm	1.155 mm	1.26 mm
	Horizontal Field of View (HFoV)	182°	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	IP66
	Vandal resistant	IK08	IK08	IK10	IK10
	Operating temperature	-10 to 40°C	-10 to 40°C	-40 to 55°C	-40 to 55°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE	PoE	PoE / 12V / 24V	PoE / 12V / 24V
Accessories	Modular mount compatible	▪	▪	▪	▪
Remote commissioning	Motorized Pan / Tilt / Roll / Zoom (PTRZ)	–	–	–	–

Multi–imager cameras

▪ Available – Not available

		▸FLEXIDOME multi 7000i		▸FLEXIDOME multi 7000i IR	
		4 x 3MP Indoor/ Outdoor	4 x 5MP Indoor/ Outdoor	IR 4 x 3MP Indoor/ Outdoor	IR 4 x 5MP Indoor/ Outdoor
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	4 x 3MP	4 x 5MP	4 x 3MP	4 x 5MP
	Image sensor type	1/2.7"	1/2.7"	1/2.7"	1/2.7"
	Max. frames per second (fps)	30fps	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	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	3 streams	3 streams	3 streams	3 streams
Sensitivity	Minimum illumination day mode (color)	0.091 lux	0.091 lux	0.091 lux	0.091 lux
	Minimum illumination night mode (black / white)	0.012 lux	0.012 lux	0.012 lux	0.012 lux
	Max. IR range	–	–	30 m	30 m
Lens	Automatic varifocal	▪	▪	▪	▪
	Focal length	3.7 - 7.7 mm	3.7 - 7.7 mm	3.7 - 7.7 mm	3.7 - 7.7 mm
	Horizontal Field of View (HFoV)	85.1° - 38.7°	85.1° - 38.7°	85.1° - 38.7°	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	IP66	IP66	IP66	IP66
	Vandal resistant	IK10	IK10	IK10	IK10
	Operating temperature	-50 to 55°C	-50 to 55°C	-50 to 55°C	-50 to 55°C
Power input voltage	Power over Ethernet / 12V / 24V	PoE+ / 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	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)	0.016 lux	0.03 lux
	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°	101° - 30°
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)	–	–

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	2MP	5MP	8MP
	Image sensor type	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps)	60fps	30fps	30fps
	High Dynamic Range (HDR)	144dB	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)	0.021 lux	0.06 lux	0.065 lux
	Minimum illumination night mode (black / white)	0.004 lux	0.012 lux	0.02 lux
	Max. IR range	60 m	60 m	45 m
Lens	Automatic varifocal	■	■	■
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Field of View (HFoV)	105° - 31°	96° - 29°	105° - 31°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output	■	■	■
	Audio in / out	■	■	■
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	IP66 / IP67	IP66 / IP67	IP66 / IP67
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-40 to 55°C	-40 to 55°C	-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

Wide angle | IR | 2MP

Tele | IR | 2MP

Wide angle | IR | 4MP

Tele | IR | 4MP

■ 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	2MP	2MP	4MP	4MP
	Image sensor type	1/1.8"	1/1.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)	60fps	60fps	60fps	60fps
	High Dynamic Range (HDR)	146dB	146dB	141dB	141dB
	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	4 streams
Sensitivity	Minimum illumination day mode (color)	0.0061 lux	0.0061 lux	0.0078 lux	0.0078 lux
	Minimum illumination night mode (black / white)	0.0011 lux	0.0011 lux	0.0011 lux	0.0013 lux
	Max. IR range	80 m	140 m	80 m	140 m
Lens	Automatic varifocal	■	■	■	■
	Focal length	4.7 - 10 mm	10.5 - 47 mm	4.7 - 10 mm	10.5 - 47 mm
	Horizontal Field of View (HFoV)	103° - 53°	42° - 9°	103° - 53°	42° - 9°
Storage	Industrial SD card support with health monitoring	Dual microSD	Dual microSD	Dual microSD	Dual microSD
Connections	Alarm input / output	■	■	■	■
	Audio in / out	■	■	■	■
	Hybrid / public view monitor	–	–	–	–
Housing	Weather rating	IP67	IP67	IP67	IP67
	Vandal resistant	IK10	IK10	IK10	IK10
	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)	-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	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–7704–AL	NBE–7704–ALT	NBE–7704–ALX
		Wide angle, IR, 8MP	Tele, IR, 8MP	HDR X, Wide angle, IR, 8MP
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	8MP	8MP	8MP
	Image sensor type	1/1.8"	1/1.2"	1/1.2"
	Max. frames per second (fps)	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	120dB	128dB
	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)	0.054 lux	0.0899 lux	0.0122 lux
	Minimum illumination night mode (black / white)	0.0098 lux	0.0095 lux	0.0015 lux
	Max. IR range	80 m	120 m	80 m
Lens	Automatic varifocal	■	■	■
	Focal length	4.4 - 10 mm	12 - 38 mm	5.9 - 13 mm
	Horizontal Field of View (HFoV)	108° - 44°	42° - 9°	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	IP67	IP67	IP67
	Vandal resistant	IK10	IK10	IK10
	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)	–	–	–

Box cameras

■ Available – Not available

Commercial Type Number		▸DINION IP starlight 6000 HD 720p	▸DINION IP starlight 7000 HD 720p	▸DINION IP starlight 6000 HD 2MP	▸DINION IP starlight 7000 HD 2MP
		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	depending on optional lens	depending on optional lens	depending on optional lens
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN–IEC 62676–4 standard)	depending on optional lens	depending on optional lens	depending on optional lens	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	depending on optional housing	depending on optional housing	depending on optional housing
	Vandal resistant	depending on optional housing	depending on optional housing	depending on optional housing	depending on optional housing
	Operating temperature	-30° to 50°C (-22° to 122° F)	-30° to 50°C (-22° to 122° F)	-30° to 50°C (-22° to 122° F)	-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
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	–/■/4 streams
Basic features	Maximum resolution	5MP (16:9)/5.5MP (4:3)	12MP (4:3)/UHD (16:9)
	Image sensor type	1/1.8"	1/2.3"
	Max. frames per second (fps)	30 fps@5 MP	20 fps@12MP, 30 fps@UHD
	Indoor / outdoor	■/■ (with housing)	■/■ (with housing)
	Day / night	■	■
	Wide Dynamic Range (WDR)	97dB (5MP)/105dB (1080p) (with IAE + 16dB)	92dB (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)	0.11 lux
	Minimum illumination night mode (black / white)	0.004 lux (5 MP) 0.0028 lux (1080p)	0.037 lux
	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	C/CS mount - 35 mm / 50 mm / 75 mm fixed iris P–iris lens 4 - 13 mm
	Horizontal Angle of View (HAoV)	depending on optional lens	depending on optional lens
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN–IEC 62676–4 standard)	depending on optional lens	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	Auto or Alarm JPEG Posting, Best Face Detection JPEG posting (IVA models only), Video Clips or JPEG Exporting
Connections	Alarm input / output	2/1	2/1
	Audio in / out	■/■	■/■
	Hybrid / public view monitor	■/■	■/■
Housing	Weather rating	–	–
	Vandal resistant	–	–
	Operating temperature	-20° to 50°C (-4° to 122° F)	-20° to 50°C (-4° to 122° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/–	■/■/–

■ Available – Not available

** 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	6MP
	Image sensor type	1/1.8"
	Max. frames per second (fps)	30fps
	High Dynamic Range (HDR)	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
Sensitivity	Minimum illumination day mode (color)	0.072 lux
	Minimum illumination night mode (black / white)	0.014 lux
	Max. IR range	15 m
Lens	Automatic varifocal	■
	Focal length	2.5 mm
	Horizontal Field of View (HFoV)	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	IP66
	Vandal resistant	IK10+
	Operating temperature	-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

▪ Available – Not available

		▸DINION IP thermal 8000	
		QVGA	VGA
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		▸AUTODOME 7100i	▸AUTODOME 7100i IR	
		40x zoom 2MP	40x zoom IR 2MP	12x zoom IR 8MP
		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	2MP	2MP
	Image sensor type	1/2.8"	1/2.8"	1/2.8"
	Max. frames per second (fps)	60fps	60fps	60fps
	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	3 streams	3 streams	3 streams
Sensitivity	Minimum illumination day mode (color)	0.00067 lux	0.00067 lux	0.00067 lux
	Minimum illumination night mode (black / white)	0.0010 lux	0.0010 lux	0.0010 lux
	Max. IR range	–	300 m	200 m
Lens	PTZ zoom optical / digital	40x / 32x	40x / 32x	12x / 12x
	Tilt angle	-90° - +20°	-90° - +20°	-90° - +20°
	Focal length	4.25 - 170 mm	4.25 - 170 mm	9.3 - 111.6 mm
	Horizontal Field of View (HFoV)	66.35° - 1.9°	66.35° - 1.9°	64.6° - 6.1°
Storage	Industrial SD card support with health monitoring	■	■	■
Connections	Alarm input / output	■	■	■
	Audio in / out	■	■	■
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	IP66	IP66	IP66
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-40 to 60°C	-40 to 60°C	-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

▪ Available – Not available

	▸MIC inteox 7100i		
	30x zoom 2MP	30x zoom 2MP	12x zoom 8MP
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	2MP	2MP	8MP
	Image sensor type	1/2"	1/2"	1"
	Max. frames per second (fps)	30fps	30fps	30fps
	High Dynamic Range (HDR)	120dB	120dB	62dB
	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	3 streams
Sensitivity	Minimum illumination day mode (color)	0.0047 lux	0.0047 lux	0.0292 lux
	Minimum illumination night mode (black / white)	0.0013 lux	0.0013 lux	0.0110 lux
	Max. IR range	550 m (optional)	550 m (optional)	300 m (optional)
Lens	PTZ zoom optical / digital	30x / 12x	30x / 12x	12x / 12x
	Tilt angle	-95° - +55° (inverted)	-95° - +55° (inverted)	-95° - +55° (inverted)
	Focal length	6.6 - 198 mm	6.6 - 198 mm	9.3 - 111.6 mm
	Horizontal Field of View (HFoV)	58.3° - 2.1°	58.3° - 2.1°	64.6° - 6.1°
Storage	Industrial SD card support with health monitoring	▪	▪	▪
Connections	Alarm input / output	▪	▪	▪
	Audio in / out	▪	▪	▪
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	IP68	IP68	IP68
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-40 to 65°C	-40 to 65°C	-40 to 65°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)	–	–	–

* Restricted product, contact your Bosch representative

Moving cameras PTZ

■ Available – Not available

Commercial Type Number		▸MIC IP starlight 7100i		▸MIC IP ultra 7100i	▸MIC IP fusion 9000i
		2MP	2MP Enhanced version	8MP Enhanced version	
		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	■/4 streams (optical + thermal)
Basic features	Maximum resolution	HD 1080p	HD 1080p	4K UHD	HD 1080p (optical) / 320/640 pixel (thermal)
	Image sensor type	1/2"	1/2"	1"	1/2 8" CMPS (optical) / Un–cooled microbolometer (thermal)
	Max. frames per second (fps)	60 fps@ 1080p	60 fps@ 1080p	30 fps@ UHD	60 fps@1080p (optical) <9/30 fps w/640 pixel (thermal) <9/60 fps w/320 pixel (thermal)
	Indoor / outdoor	–/■	–/■	–/■	–/■
	Day / night	■	■	■	■ (optical)
	Wide Dynamic Range (WDR)	120dB	120dB	62dB	120dB
	ONVIF conformant	■	■	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■	–/■
	Privacy masking	■	■	■	■
	Nbr of presets/guard tours	256/2	256/2	265/2	256/2
	Wiper / Built in window defroster	■/–	■/■	■/■	■
	Intelligent Tracking	■	■	■	■
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
	PTZ Intelligent Tracking	■	■	■	■
Sensitivity	Minimum illumination day mode (color)	0.0047 lux	0.0047 lux	0.292 lux	0.0077 lux (optical) N.A. (thermal)
	Minimum illumination night mode (black / white)	0.0013 lux	0.0013 lux	0.0110 lux	0.0008 lux (optical) 0 lux (thermal)
	Night vision	■ (optional illuminator)	■ (optional illuminator)	■ (optional illuminator)	■ (thermal)
	Max. range at night	550 m (1804 ft)	550 m (1804 ft)	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	6.6 - 198 mm	6.6 - 198 mm	9.3 - 111.6 mm	4.3 - 129 mm (optical), 9 mm w/640 pixel (thermal) 19 mm w/320 pixel (thermal) 50 mm w/640 pixel (thermal)
	Horizontal Angle of View (HAoV)	2.1° to 58.3°	2.1° to 58.3°	6.1° to 64.6°	2.3° to 63.7° (optical) 16° w/320 pixel, 12.4° w/50 mm 640 pixel thermal 70° w / 9 mm 640 pixel thermal
	PTZ Zoom optical/digital	30x / 12x	30x / 12x	12x / 12x	30x / 12x
	Tilt angle	-55° to +90° (upright), -95° to +55° (inverted), -80° to +65° (canted)	-55° to +90° (upright), -95° to +55° (inverted), -80° to +65° (canted)	-55° to +90° (upright), -95° to +55° (inverted), -80° to +65° (canted)	-55° to +90° (upright), -95° to +55° (inverted), -80° to +65° (canted)
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	wide 108-355/43-142/22-71/11-36 tele 154-504/61-202/31-101/15-50	62-1913/25-765/12-383/6-191
Storage	Memory card slot	–	■ (up to 2TB)	■ (up to 2TB)	■ internal EMMC memory 16GB
	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	5/3 (with MIC–ALM–WAS–24)	5/3 (with MIC–ALM–WAS–24)	5/3 (with MIC–ALM–WAS–24)	5/3 (with MIC–ALM–WAS–24)
	Audio in / out	■	■	■	■/■
	Hybrid / public view monitor	■ (with external decoder)/–	■ (with external decoder)/–	■ (with external decoder)/–	–
Housing	Weather rating	IP68	IP68	IP68	IP68
	Vandal resistant	IK10	IK10	IK10	IK10
	Operating temperature	-40° to +65°C (-40° to +149° F)	-40° to +65°C (-40° to +149° F)	-40° to +65°C (-40° to +149° F)	-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	H.264, H.265, MPEG-4, ONVIF, RTSP, JPEG	H.264, H.265, MPEG-4, ONVIF, RTSP, JPEG	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	4, 8 or 18TB	4, 8 or 18TB	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	4, 8 or 18TB	4, 8 or 18TB	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 suply 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	■ Video security app	■ Video security app	■ Video security app
	Network	10/100/1000 Ethernet	10/100/1000 Ethernet	10/100/1000 Ethernet	10/100/1000 Ethernet
	Web browser access	■	■	■	■
	Simultaneous accessible users	4	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)	■ (v12.1.0 or newe)
	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 extentions	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	–
	3rd Party software	–
3rd 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

▪ Available – Not available

Name		▸Video Security App	▸Video Security Client
		Video Security App	**Video Security Client**
	No. of channels	256 per site*	256 per site*
	Usage situation	Mobile	PC and Mobile
	Workstation OS support	iOS, Android	Win10/11
	Software based Video IP Platform	▪	▪
Key technologies supported	Dynamic Transcoding	▪	▪
	Video analytics	▪	▪
	Client side dewarping (panoramic)	▪	▪
	4K UHD		▪
	starlight		
Encoding	H.264/HEVC/H.265	▪/▪/▪	▪/▪/▪
	MPEG–4	▪	▪
	3rd party camera support	▪ (with VSG)	▪ (with VSG)
Viewing	Multi–monitor support	–	–
	16:9 monitor support	n/a	▪
	Viewing frequency	–	–
	Dynamic cameo scaling	▪	▪
Alarm Management	User management	–	–
	Digital I/O alarms	–	–
	System event alarms	–	–
	Motion alarms	▪ (service license required)	▪ (service license required)
	Event response and command scripts	–	–
	Video analytics alarms	▪ (service license required)	▪ (service license required)
	Video analytics forensic search	▪ (Simple search)	▪ (Simple search)
	Audio	–	–
	Compound events	–	–
	Scheduled dependent alarming	–	–
	Event allocation to user groups	–	–
Control	AUTODOME Intelligent Tracking	▪	▪
	PTZ	▪	▪
	IntuiKey	–	–
	Virtual matrix	–	–
Storage	@edge camera support	▪	▪
	iSCSI	▪	▪
	NVR support	–	–
	VRM	▪	▪
	Video analytics metadata	▪	▪
	Support redundant storage	–	–
	DIVAR IP/BVMS Support	▪	▪
Integration	BRS	–	–
	DxR 400 / 600 / 700	–	–
	Virtual inputs	–	–
	Remote portal	▪	▪

* <=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**

■ 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	55" LED
	Max Pixel Resolution	1920x1080	3840x2160	1920x1080	1920x1080	1920x1080	3840x2160
	Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9
	Brightness (cd/m^2)	250	300	350	500	400	450
	Contrast Ratio	1000:1	1000:1	3000:1	3000:1	3000:1	4000:1
	Backlight	30,000 hrs	30,000 hrs	30,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
	Viewing Angle (HxV)	178x178	178x178	178x178	178x178	178x178	178x178
Connectors	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	1253.8 mm
	Height	387.3 mm	428.4 mm	371.8 mm	431.5 mm	568.8 mm	722.6 mm
	Depth	219.7 mm	219.7 mm	64.8 mm	71.5 mm	74.7 mm	74.1 mm
	Weight	3.5 kg	4.0 kg	6.8 kg	11.6 kg	18.6 kg	30.5 kg
Power	Power Supply	Separate	Separate	Integrated	Integrated	Integrated	Integrated
	Power Consumption	<35W	<45W	<50W	<60W	<75W	<155W
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	within box
	Adjustable desktop stand	UMM-LED27-SD	UMM-LED27-SD	UMM-LED27-SD	–	–	–
	Fixed Wall Mount	–	–	–	–	ST650	ST650
	Swivel/Tilt Wall Mount	UMM-LW-30B	UMM-LW-30B	UMM-LW-30B	UMM-WMT-32	–	–