Invented for life

ECC BOSCH

Video Systems Product Overview

April 2024

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Why Bosch Video Systems?

Why Bosch Video Systems leaflet

Expresses the benefits of doing business with Bosch

→

Video Systems sales presentation

Showcases our brand, product features, benefits, and value proposition

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Fact sheet: X-factor technology explained

Describes how next-level starlight X and HDR X technologies take image quality and resolution further
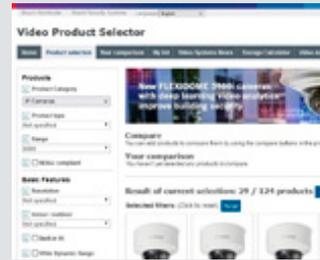
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Fact sheet: Your guide to AI-driven Video Analytics

A handy reference on how our Video Analytics deliver highly accurate data, are easy to use, future-proof, and integrate seamlessly
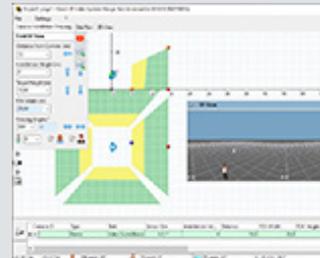
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Sales tools

Video Product Selector

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

→

Bosch IP Video System Design Tool

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

→

Storage calculator

Determine storage capacity requirements

→

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

→

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

→

Building Information Modelling (BIM) files

Find all available BIM files in AutoDesk Revit

→

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

→

BVMS System Design Guide

Easily plan your BVMS system with Bosch cameras and storage

→

Bosch Video Systems websites

Video Systems overview

Our products, software, and services are built on trust, supporting predictive analytics and sustainable business practices

→

Data security

Learn about our secure by design principle

→

Product catalog

Find datasheet, installation manuals and more in the product catalog

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Video Systems news

The latest updates on new products, solutions or customer stories

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Sustainability

Video systems support sustainable business

→

Building Technologies Academy

Our training courses for integrators

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The Power to Predict

Power to Predict: stay one step ahead by knowing what's next

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Image quality

Starlight and HDR X technology explained

→

Where to buy

Use the dealer search to find your local partner

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AI-driven Video Analytics

Everything about the brains of your security system

→

Customer stories

Take a look at customer success stories

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Social media

LinkedIn   X   YouTube   Facebook

→

Bosch AI-driven Video Analytics

We offer a menu of standard and application-specific Video Analytics that deliver highly accurate data, are easy to use, future proof, and integrate seamlessly with various video management systems.

Standard Video Analytics

Essential Video Analytics
Ideal for general security and safety applications - indoors

Object detection and data collection in sterile environments

Alerts only when needed

Intelligent Video Analytics
Ideal in outdoor applications

Reliable alerts, even in extreme weather conditions

Video analytics extremely resistant against shaking

Camera trainer
Teach video cameras to recognize and detect objects or situations

Machine learning functionality

Recognize user-defined situations

Application-specific video analytics: Intelligent Video Analytics Pro (IVA Pro)

IVA Pro Buildings
Advanced intrusion detection

Accurate detection and classification

Plug-and-play (no calibration needed)

IVA Pro Perimeter
Reliable long-range intrusion detection

Highly reliable long-distance intrusion detection

Professional* intruder detection

IVA Pro Traffic
Detect and classify with precise detail

Distinguish and classify people and vehicle subclasses

Enhanced scene understanding

IVA Pro Intelligent Tracking
Highly reliable and robust tracking of objects

Detect and classify even while the camera is moving, and the object is standing still

Track objects in crowded or traffic scenes

*partly obstructed / crawling / rolling intruder

AI-enabled camera portfolio secure by design

10 commitments to meet highest data security standards

① Secure Element
- Bosch sets the standard with the most future-proof Secure Element with Trusted Platform Module (TPM) functionality
- Supporting 4096-bit keys.

② Embedded login firewall
- It's about blocking threats, not functionality.
- An intelligent login firewall you can count on.

③ Password enforcement
- Security first: set a password, then connect.

④ Minimum TLS 1.2
- A minimum version of TLS provides maximum security.
- Transport Layer Security: a cryptographic protocol that provides secure communication.

⑤ Simple Certificate Enrollment Protocol (SCEP)
- Simplifying 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 Bosch Download Area for new firmware.

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.

PLUS
- Our security levels and policies are certified to the highest levels by third parties.

Data security certified

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.

UL 2900-2-3 Certified

Standard for Safety and Software Cybersecurity for Network-Connectable Products
- Includes penetration testing and provides proof that IEC 62443-4-1 has been implemented in a practical sense.
- Our certification is device specific up to level 3.

Fixed cameras

Indoor

Essential Video Analytics

Intelligent Video Analytics

Intelligent Video Analytics Pro

Essential Video Analytics		Intelligent Video Analytics				Intelligent Video Analytics Pro	
FLEXIDOME IP 3000i NDI-351x-AL Up to 5MP	**FLEXIDOME IP 5000i** NDI-5503-A 30 fps@5MP	**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 micro 3100i** NUV-3702-Fxx 30 fps@1080p	**FLEXIDOME micro 3100i** NUV-3703-Fxx 30 fps@5MP
FLEXIDOME IP starlight 5000i NDI-5502-A 60 fps@1080p	**FLEXIDOME IP starlight 5000i IR** NDI-5502-AL 60 fps@1080p, IR	**FLEXIDOME panoramic 5100i** NDS-5703-F360 30 fps@6MP	**FLEXIDOME panoramic 5100i** NDS-5704-F360 30 fps@12MP	**FLEXIDOME IP indoor 8000i** NDV-8502-R 1080p, HDR	**FLEXIDOME IP indoor 8000i** NDV-8503-R 6MP, HDR	**FLEXIDOME indoor 5100i** NDV-5702-A 60 fps@1080p	**FLEXIDOME indoor 5100i IR** NDV-5702-AL 60 fps@1080p, IR
FLEXIDOME IP 5000i IR NDI-5503-AL 30 fps@5MP, IR	**DINION IP starlight 6000 HD** NBN-63013-B 60 fps@720p, starlight	**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
DINION IP starlight 6000 HD NBN-63023-B 60 fps@1080p, starlight						**FLEXIDOME indoor 5100i** NDV-5704-A 30 fps@UHD 4K	**FLEXIDOME indoor 5100i IR** NDV-5704-AL 30 fps@UHD 4K, IR

Fixed cameras

Outdoor

Essential Video Analytics

FLEXIDOME IP 3000i IR
NDE-351x-AL
Up to 5MP

FLEXIDOME IP 5000i
NDE-5503-A
30 fps@5MP

FLEXIDOME IP 5000i IR
NDE-5503-AL
30 fps@5MP, IR

FLEXIDOME IP starlight 5000i IR
NDE-5502-A
60 fps@1080p

FLEXIDOME IP starlight 5000i IR
NDE-5502-AL
60 fps@1080p, IR

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

FLEXIDOME panoramic 5100i IR
NDS-5703-F360LE
30 fps@6MP

FLEXIDOME panoramic 5100i IR
NDS-5704-F360LE
30 fps@12MP

Intelligent Video Analytics Pro

FLEXIDOME micro 3100i
NUE-3702-Fxx
30 fps@1080p

FLEXIDOME micro 3100i
NUE-3703-Fxx
30 fps@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

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 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

Indoor

Essential Video Analytics

Intelligent Video Analytics

Intelligent Video Analytics Pro

**AUTODOME
IP 4000i**

NDP-4502-Z12
60 fps@1080p

**AUTODOME
IP 4000i**

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

**AUTODOME
IP starlight 7000i**

NDP-7512-Z30Cx
in-ceiling, 30 fps@1080p,
starlight

**AUTODOME
inteox 7000i**

NDP-7602-Z30Cx
In-ceiling, 30 fps@1080p,
starlight

**AUTODOME
IP starlight 5000i**

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

**AUTODOME
IP starlight 5100i**

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

Moving cameras

Outdoor

Extreme outdoor

Essential Video Analytics

Intelligent Video Analytics

Intelligent Video Analytics Pro

Optical

Optical & Thermal

AUTODOME IP starlight 5000i

NDP-5512-Z30
60 fps@1080p, starlight

AUTODOME IP starlight 5000i IR

NDP-5512-Z30L
60 fps@1080p, starlight, IR

AUTODOME IP starlight 7000i

NDP-7512-Z30(C)
30 fps@1080p, starlight

AUTODOME inteox 7000i

NDP-7602-Z30(C)x
30 fps@1080p, starlight

AUTODOME 7100i

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

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 IP fusion 9000i

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

AUTODOME IP starlight 5100i

NDP-5523-Z20
60 fps@4MP, starlight, HDR X

AUTODOME IP starlight 5100i IR

NDP-5523-Z30L
60 fps@4MP, starlight, IR, HDR X

AUTODOME 7100i IR

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

AUTODOME 7100i IR

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

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

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

Commercial Type Number		▶FLEXIDOME micro 3100i indoor NUV-3702-Fxx (2MP)	NUV-3703-Fxx (5MP)	▶FLEXIDOME micro 3100i outdoor NUE-3702-Fxx (2MP)	NUE-3703-Fxx (5MP)
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/3 streams	■/■/3 streams	■/■/3 streams	■/■/3 streams
Basic features	Maximum resolution	5MP	5MP	2MP	5MP
	Image sensor type	1/2.8" CMOS	1/2.7" CMOS	1/2.8" CMOS	1/2.7" CMOS
	Max. frames per second (fps)	30	30	30	30
	Indoor / outdoor	■/–	■/–	–/■	–/■
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	–	–	–	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■	–/■
	Edge dewarping	–	–	–	–
	Privacy masking	■	■	■	■
	Region Of Interest tracking	■	■	■	■
Analytics	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
	IVA Pro Buildings	■	■	■	■
	Audio detection	–	–	–	–
Sensitivity	Minimum illumination day mode (color)	0.1 lux	0.15 lux	0.1 lux	0.15 lux
	Minimum illumination night mode (black / white)	–	–	–	–
	Night vision	–	–	–	–
	Max. range at night	–	–	–	–
Lens	Focal length	F02: 2.49 mm F04: 3.2 mm F06: 6 mm	F02: 2.49 mm F04: 3.2 mm F06: 6 mm	F02: 2.49 mm F04: 3.2 mm F06: 6 mm	F02: 2.49 mm F04: 3.2 mm F06: 6 mm
	Horizontal Angle of View (HAoV)	F02: 137° F04: 106° F06: 58.5°	F02: 131.2° F04: 100.8° F06: 56.1°	F02: 137° F04: 106° F06: 58.5°	F02: 131.2° F04: 100.8° F06: 56.1°
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard)	F02: 15 / 6 / 3 / 2 F04: 29 / 11 / 6 / 3 F06: 69 / 27 / 14 / 7	F02: 24 / 9 / 5 / 2 F04: 43 / 17 / 9 / 4 F06: 97 / 39 / 19 / 10	F02: 15 / 6 / 3 / 2 F04: 29 / 11 / 6 / 3 F06: 69 / 27 / 14 / 7	F02: 24 / 9 / 5 / 2 F04: 43 / 17 / 9 / 4 F06: 97 / 39 / 19 / 10
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	–	–	–	–
	Audio in / out	–	–	–	–
	HDMI output / public view monitor	■ (F04H) / ■	■ (F02H) / ■	–/■	–/■
Housing	Weather rating	–	–	IP66	IP66
	Vandal resistant	IK08	IK08	IK10	IK10
	Operating temperature	0 to 40° C (+32 to +104° F)	0 to 40° C (+32 to +104° 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	■/–/–	■/–/–	■/–/–	■/–/–

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

▶FLEXIDOME IP 3000i IR

Camera		Indoor 2MP	Outdoor 2MP	Indoor 5MP	Outdoor 5MP
Commercial Type Number		**NDI-3512-AL**	**NDE-3512-AL**	**NDI-3513-AL**	**NDE-3513-AL**
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	5MP	5MP
	Image sensor type ▶	1/2.8"	1/2.8"	1/2.9"	1/2.9"
	Max. frames per second (fps)	30fps@1080p	30fps@1080p	30fps@5MP	30fps@5MP
	Indoor / outdoor ▶	■/–	■/■	■/–	■/■
	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) ▶	0.05 lux	0.05 lux	0.379 lux	0.379 lux
	Minimum illumination night mode (black / white)	0 lux with IR on	0 lux with IR on	0 lux with IR on	0 lux with IR on
	Night vision	■ (infrared)	■ (infrared)	■ (infrared)	■ (infrared)
	Max. range at night	30 m (98 ft)	30 m (98 ft)	30 m (98 ft)	30 m (98 ft)
Lens	Automatic varifocal	■	■	■	■
	Focal length ▶	3 -9 mm	3 -9 mm	3 -10 mm	3 -10 mm
	Horizontal Angle of View (HAoV) ▶	106° - 37°	106° - 37°	99° - 31°	99° - 31°
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard) ▶	32-126/13-50/6-25/3-13	32-126/13-50/6-25/3-13	59-238/24-94/12-48/6-24	59-238/24-94/12-48/6-24
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	1/1	1/1	1/1	1/1
	Audio in / out	■/■	■/■	■/■	■/■
	Hybrid / public view monitor	■/■	■/■	■/■	■/■
Housing	Weather rating ▶	–	IP66	–	IP66
	Vandal resistant ▶	IK04	IK10	IK04	IK10
	Operating temperature ▶	0° to +50° C (+32° to +122° F)	-30° to +50° C (-22° to +122° F)	0° to +50° C (+32° to +122° F)	-30° to +50° C (-22° to +122° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■	■/■/■	■/■/■	■/■/■
Accessories	Modular mount compatible	■	■	■	■

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

		▶FLEXIDOME IP 5000i		▶FLEXIDOME IP 5000i IR	
		Indoor 5MP	Outdoor 5MP	Indoor 5MP	Outdoor 5MP
Commercial Type Number		**NDI-5503-A**	**NDE-5503-A**	**NDI-5503-AL**	**NDE-5503-AL**
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	5MP	5MP	5MP	5MP
	Image sensor type	1/2.9"	1/2.9"	1/2.9"	1/2.9"
	Max. frames per second (fps)	30 fps@5MP	30 fps@5MP	30 fps@5MP	30 fps@5MP
	Indoor / outdoor ▶	■/−	■/■	■/−	■/■
	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)	0.24 lux	0.24 lux	0.24 lux	0.24 lux
	Minimum illumination night mode (black / white) ▶	0.03 lux	0.03 lux	0 lux (IR on)	0 lux (IR on)
	Night vision ▶	−	−	■ (infrared)	■ (infrared)
	Max. range at night ▶	−	−	30 m (98 ft)	30 m (98 ft)
Lens	Automatic varifocal	■	■	■	■
	Focal length	3 - 10 mm	3 - 10 mm	3 - 10 mm	3 - 10 mm
	Horizontal Angle of View (HAoV)	31° - 99°	31° - 99°	31° - 99°	31° - 99°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	59-266/24-106/12-53/6-27	59-266/24-106/12-53/6-27	59-266/24-106/12-53/6-27	59-266/24-106/12-53/6-27
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	1/1	1/1	1/1	1/1
	Audio in / out	■/■	■/■	■/■	■/■
	Hybrid / public view monitor	■/■	■/■	■/■	■/■
Housing	Weather rating ▶	−	IP66	−	IP66
	Vandal resistant ▶	IK04	IK10	IK04	IK10
	Operating temperature ▶	-20° to 50° C (-4° to 122° F)	-40° to 50° C (-40° to 122° F)	-20° to 50° C (-4° to 122° F)	-40° to 50° C (-40° to 122° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■	■/■/■	■/■/■	■/■/■

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

		▶FLEXIDOME IP starlight 5000i		▶FLEXIDOME IP starlight 5000i IR	
		Indoor 2MP	Outdoor 2MP	Indoor 2MP	Outdoor 2MP
Commercial Type Number		**NDI-5502-A**	**NDE-5502-A**	**NDI-5502-AL**	**NDE-5502-AL**
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"	1/2.8"	1/2.8"	1/2.8"
	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)	146dB	146dB	146dB	146dB
	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)	0.0225 lux	0.0225 lux	0.0225 lux	0.0225 lux
	Minimum illumination night mode (black / white)	0.0051 lux	0.0051 lux	0.0051 lux	0.0051 lux
	Night vision	■ (starlight)	■ (starlight)	■ (starlight)	■ (starlight)
	Max. range at night ▶	–	–	IR 45 m (148 ft)	IR 45 m (148 ft)
Lens	Automatic varifocal	■	■	■	■
	Focal length	3 - 9 mm	3 - 9 mm	3 - 9 mm	3 - 9 mm
	Horizontal Angle of View (HAoV)	37° - 106°	37° - 106°	37° - 106°	37° - 106°
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard)	32-126/13-50/6-25/3-13	32-126/13-50/6-25/3-13	32-126/13-50/6-25/3-13	32-126/13-50/6-25/3-13
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	1/1	1/1	1/1	1/1
	Audio in / out	■/■	■/■	■/■	■/■
	Hybrid / public view monitor	■/■	■/■	■/■	■/■
Housing	Weather rating ▶	–	IP66	–	IP66
	Vandal resistant ▶	IK04	IK10	IK04	IK10
	Operating temperature ▶	-20° to 50° C (-4° to 122° F)	-40° to 50° C (-40° to 122° F)	-20° to 50° C (-4° to 122° F)	-40° to 50° C (-40° to 122° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■	■/■/■	■/■/■	■/■/■

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

Commercial Type Number			▶FLEXIDOME indoor 5100i Indoor 2MP NDV-5702-A	Indoor 5MP NDV-5703-A	Indoor 8MP NDV-5704-A
Bitrate management	Intelligent streaming		■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming		■/■/4 streams	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution	▶	HD 1080p	5 MP	UHD 4K
	Image sensor type	▶	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps)	▶	60	30	30
	Indoor / outdoor		■/–	■/–	■/–
	Day / night		■	■	■
	Wide Dynamic Range (WDR)	▶	144dB 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		■	■	■
	Electronic Image Stabilization (EIS)		■ (Gyro based)	■ (Gyro based)	■ (Gyro based)
Analytics	Tamper detection / Video motion detection		■/■	■/■	■/■
	Audio detection		■	■	■
	Intelligent Video Analytics Pro Buildings		■	■	■
	Intelligent Video Analytics Pro Perimeter / Traffic		Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color)	▶	0.021 lx	0.06 lx	0.065 lx
	Minimum illumination night mode (black / white)	▶	0.004 lx	0.012 lx	0.020 lx
	Night vision		■ (starlight)	■ (starlight)	■ (starlight)
	Max IR range		–	–	–
Lens	Automatic varifocal		■ (P-iris)	■ (P-iris)	■ (P-iris)
	Focal length		3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Angle of View (HAoV)	▶	105° - 31°	96° - 29°	105° - 31°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	▶	31-138/12-55/6-28/3-14	48-200/19-79/10.40/5-20	62-275/25-109/12-55/6-28
Storage	Industrial SD card support		■	■	■
	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		–	–	–
	Audio in / out		■/■	■/■	■/■
	Hybrid / public view monitor		–	–	–
Housing	Weather rating		IP54	IP54	IP54
	Vandal resistant		IK10	IK10	IK10
	Operating temperature		-20° to +50° C (-4° to +122° F)	-20° to +50° C (-4° to +122° F)	-20° to +50° C (-4° to +122° F)
Power input voltage	Power over Ethernet / 12V / 24V		■/–/–	■/–/–	■/–/–
Accessories	Modular mount compatible		■	■	■
Commissioning	USB-C port for wireless dongle		■	■	■

IP Video
Dome Cameras

▶FLEXIDOME indoor 5100i IR

| | Indoor | Indoor | Indoor |
| | 2MP | 5MP | 8MP |

- Available – Not available
▶ = indication of main differentiator(s)

Commercial Type Number			NDV-5702-AL	NDV-5703-AL	NDV-5704-AL
Bitrate management	Intelligent streaming		■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming		■/■/4 streams	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution	▶	HD 1080p	5MP	UHD 4K
	Image sensor type	▶	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps)	▶	60	30	30
	Indoor / outdoor		■/–	■/–	■/–
	Day / night		■	■	■
	Wide Dynamic Range (WDR)	▶	144dB 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		■	■	■
	Electronic Image Stabilization (EIS)		■ (Gyro based)	■ (Gyro based)	■ (Gyro based)
Analytics	Tamper detection / Video motion detection		■/■	■/■	■/■
	Audio detection		■	■	■
	Intelligent Video Analytics Pro Buildings		■	■	■
	Intelligent Video Analytics Pro Perimeter / Traffic		Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color)	▶	0.021 lx	0.06 lx	0.065 lx
	Minimum illumination night mode (black / white)		0 lux with IR on	0 lux with IR on	0 lux with IR on
	Night vision		■ (starlight)	■ (starlight)	■ (starlight)
	Max IR range	▶	45 m (Intelligent IR)	45 m (Intelligent IR)	40 m (Intelligent IR)
Lens	Automatic varifocal		■ (P-iris)	■ (P-iris)	■ (P-iris)
	Focal length		3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Angle of View (HAoV)	▶	105° - 31°	96° - 29°	105° - 31°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	▶	31-138/12-55/6-28/3-14	48-200/19-79/10-40/5-20	62-275/25-109/12-55/6-28
Storage	Industrial SD card support		■	■	■
	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		1/1	1/1	1/1
	Audio in / out		■/■	■/■	■/■
	Hybrid / public view monitor	▶	■/■	■/■	–
Housing	Weather rating		IP54	IP54	IP54
	Vandal resistant		IK10	IK10	IK10
	Operating temperature		-20° to +50° C (-4° to +122° F)	-20° to +50° C (-4° to +122° F)	-20° to +50° C (-4° to +122° F)
Power input voltage	Power over Ethernet / 12V / 24V		■/–/–	■/–/–	■/–/–
Accessories	Modular mount compatible		■	■	■
Commissioning	USB-C port for wireless dongle		■	■	■

IP Video
Dome Cameras

▸FLEXIDOME outdoor 5100i

		Outdoor 2MP	Outdoor 5MP	Outdoor 8MP

■ Available – Not available
▶ = indication of main differentiator(s)

Commercial Type Number		NDE-5702-A	NDE-5703-A	NDE-5704-A
Bitrate management	Intelligent streaming	■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution ▶	HD 1080p	5MP	UHD 4K
	Image sensor type ▶	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps) ▶	60	30	30
	Indoor / outdoor	■/■	■/■	■/■
	Day / night	■	■	■
	Wide Dynamic Range (WDR) ▶	144dB 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	■	■	■
	Electronic Image Stabilization (EIS)	■ (Gyro based)	■ (Gyro based)	■ (Gyro based)
Analytics	Tamper detection / Video motion detection	■/■	■/■	■/■
	Audio detection	■	■	■
	Intelligent Video Analytics Pro Buildings	■	■	■
	Intelligent Video Analytics Pro Perimeter / Traffic	Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color) ▶	0.021 lx	0.06 lx	0.065 lx
	Minimum illumination night mode (black / white) ▶	0.004 lx	0.012 lx	0.020 lx
	Night vision	■ (starlight)	■ (starlight)	■ (starlight)
	Max IR range	–	–	–
Lens	Automatic varifocal	■ (P-iris)	■ (P-iris)	■ (P-iris)
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Angle of View (HAoV) ▶	105° - 31°	96° - 29°	105° - 31°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard) ▶	31-138/12-55/6-28/3-14	48-200/19-79/10-40/5-20	62-275/25-109/12-55/6-28
Storage	Industrial SD card support	■	■	■
	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	–	–	–
	Audio in / out	■/■	■/■	■/■
	Hybrid / public view monitor	–	–	–
Housing	Weather rating	IP66, NEMA Type 4X	IP66, NEMA Type 4X	IP66, NEMA Type 4X
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-40° to +55° C (-40° to +131° F)	-40° to +55° C (-40° to +131° F)	-40° to +55° C (-40° to +131° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■	■/■/■	■/■/■
Accessories	Modular mount compatible	■	■	■
Commissioning	USB-C port for wireless dongle	■	■	■

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

▶FLEXIDOME outdoor 5100i IR

		Outdoor 2MP	Outdoor 5MP	Outdoor 8MP
Commercial Type Number		**NDE-5702-AL**	**NDE-5703-AL**	**NDE-5704-AL**
Bitrate management	Intelligent streaming	■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams	■/■/4 streams	■/■/4 streams
Basic features	Maximum resolution ▶	HD 1080p	5MP	UHD 4K
	Image sensor type ▶	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps) ▶	60	30	30
	Indoor / outdoor	■/■	■/■	■/■
	Day / night	■	■	■
	Wide Dynamic Range (WDR) ▶	144dB	120dB	120dB
	ONVIF conformant	■	■	■
	Built-in microphone	■	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■
	Privacy masking	■	■	■
	Region Of Interest tracking	–	–	–
	Upright video mode	■	■	■
	Electronic Image Stabilization (EIS)	■ (Gyro based)	■ (Gyro based)	■ (Gyro based)
Analytics	Tamper detection / Video motion detection	■/■	■/■	■/■
	Audio detection	■	■	■
	Intelligent Video Analytics Pro Buildings	■	■	■
	Intelligent Video Analytics Pro Perimeter / Traffic	Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color) ▶	0.021 lx	0.06 lx	0.065 lx
	Minimum illumination night mode (black / white)	0 lux with IR on	0 lux with IR on	0 lux with IR on
	Night vision	■ (starlight)	■ (starlight)	■ (starlight)
	Max IR range ▶	45 m (Intelligent IR)	45 m (Intelligent IR)	40 m (Intelligent IR)
Lens	Automatic varifocal	■ (P-iris)	■ (P-iris)	■ (P-iris)
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Angle of View (HAoV) ▶	105° - 31°	96° - 29°	105° - 31°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard) ▶	31-138/12-55/6-28/3-14	48-200/19-79/10-40/5-20	62-275/25-109/12-55/6-28
Storage	Industrial SD card support	■	■	■
	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 ▶	1/1	1/1	1/1
	Audio in / out	■/■	■/■	■/■
	Hybrid / public view monitor ▶	■/■	■/■	■/■
Housing	Weather rating	IP66, NEMA Type 4X	IP66, NEMA Type 4X	IP66, NEMA Type 4X
	Vandal resistant	IK10	IK10	IK10
	Operating temperature	-40° to +55° C (-40° to +131° F)	-40° to +55° C (-40° to +131° F)	-40° to +55° C (-40° to +131° F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■	■/■/■	■/■/■
Accessories	Modular mount compatible	■	■	■
Commissioning	USB-C port for wireless dongle	■	■	■

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IP Video
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▶FLEXIDOME IP starlight 8000i

| | 2MP | 6MP | 8MP |

■ Available − Not available
▶ = indication of main differentiator(s)

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		■	■	■

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

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		■	■

NDE-8512-RX(T): HDR X, 2MP
NDE-8513-RX(T): HDR X, 4.1MP

IP Video
Dome Cameras

▶ **FLEXIDOME IP indoor 8000i**

■ Available − Not available
▶ = indication of main differentiator(s)

Commercial Type Number			NDV-8502-R	NDV-8503-R	NDV-8504-R
			2MP	**6MP**	**8MP**
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		■	■	■

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

Commercial Type Number		▶FLEXIDOME IP indoor 8000i - X series	
		NDV-8502-RX	NDV-8503-RX
		HDR X / 2MP	HDR X / 4.1MP
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	■	■

IP Video
Dome Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

		▶FLEXIDOME panoramic 5100i	Indoor 6MP	▶FLEXIDOME panoramic 5100i IR	Indoor 12MP	Outdoor 6MP	Outdoor 12MP
Commercial Type Number		NDS-5703-F360	NDS-5704-F360	NDS-5703-F360LE	NDS-5704-F360LE
Analytics	Intelligent Video Analytics + Camera Trainer	■	■	■	■
	Intelligent Audio Analytics Gunshot detection	Optional (with license)	Optional (with license)	Optional (with license)	Optional (with license)
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 ▶	6MP	12MP	6MP	12MP
	Image sensor type ▶	1/1.8	1/2.3	1/1.8	1/2.3
	Max. frames per second (fps)	30	30	30	30
	Indoor / outdoor ▶	■/–	■/–	■/■	■/■
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB HDR	120dB HDR	120dB HDR	120dB HDR
	ONVIF conformant	■	■	■	■
	Built-in microphone	Microphone array	Microphone array	Microphone array	Microphone array
	HMDI out	■	■	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■	–/■
	Edge dewarping	■	■	■	■
	Privacy masking	■	■	■	■
	Region Of Interest tracking	■	■	■	■
Alarm triggering	Tamper detection / Video motion detection	■	■	■	■
	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
	PTZ Intelligent Tracking	future support	future support	future support	future support
Sensitivity	Night vision ▶	–	–	■ (IR)	■ (IR)
	Max. range at night ▶	–	–	20 m (66 ft)	20 m (66 ft)
Lens	Focal length ▶	1.155 mm	1.26 mm	1.155 mm	1.26 mm
	Field of View (FoV)	360°	360°	360°	360°
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard) ▶	28 m/11.5 m/5.5 m/2.1 m	45.5 m/18 m/8.5 m/3.8 m	28 m/11.5 m/5.5 m/2.1 m	45.5 m/18 m/8.5 m/3.8 m
Storage	Industrial SD card support	■	■	■	■
	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 ▶	–	–	1/1	1/1
	Audio in / out ▶	–	–	■	■
	HDMI output / public view monitor	■/■	■/■	■/■	■/■
Housing	Weather rating ▶	–	–	IP66 NEMA Type 4X	IP66 NEMA Type 4X
	Vandal resistant ▶	IK08 (except lens)	IK08 (except lens)	IK10	IK10
	Operating temperature ▶	-10° to +45° C	-10° to +45° C	-40° to +55° C	-40° to +55° C
Power input voltage	Power over Ethernet / 12V / 24V ▶	PoE/–/–	PoE/–/–	PoE/■/■	PoE/■/■
Accessories	Modular mount compatible	■	■	■	■

IP Video
Dome Cameras

■ Available – Not available
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		▶FLEXIDOME multi 7000i		▶FLEXIDOME multi 7000i IR	
		4 x 3MP	4 x 5MP	4 x 3MP	4 x 5MP
Commercial Type Number		**NDM-7702-A**	**NDM-7703-A**	**NDM-7702-AL**	**NDM-7703-AL**
Video Analytics	Intelligent Video Analytics Pro (IVA Pro)	■	■	■	■
Remote commissioning	USB-C port for wireless dongle	■	■	■	■
Bitrate management	Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/4x4 streams	■/4x4 streams	■/4x4 streams	■/4x4 streams
Basic features	Maximum resolution ▶	4x 3MP	4x 5MP	4x 3MP	4x 5MP
	Image sensor type	1/2.7	1/2.7	1/2.7	1/2.7
	Max. frames per second (fps)	30	30	30	30
	Indoor / outdoor	■/■	■/■	■/■	■/■
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB HDR	120dB HDR	120dB HDR	120dB HDR
	ONVIF conformant	■	■	■	■
	Built-in microphone	■	■	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	Defog	Defog	Defog	Defog
	Upright video mode				
	Privacy masking	■	■	■	■
	Region Of Interest tracking	N/A	N/A	N/A	N/A
Alarm triggering	Tamper detection / Video motion detection	■	■	■	■
	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
Sensitivity	Minimum illumination day mode (color)	0.091	0.091	0.091	0.091
	Minimum illumination night mode (black / white)	0.012	0.012	0.012	0.012
	Night vision ▶	–	–	■ (IR)	■ (IR)
	Max. range at night ▶	–	–	30 m (98 ft)	30 m (98 ft)
Lens	Focal length	3.7-7.7 mm	3.7-7.7 mm	3.7-7.7 mm	3.7-7.7 mm
	Horizontal Angle of View (HAoV)	85,1 - 38,7	85,1 - 38,7	85,1 - 38,7	85,1 - 38,7
DORI distances	Detect / Observe / Recognize / Identify ▶ (Distances in according to EN-IEC 62676-4 standard)	45-117 m/18-46 m/9-23 m/4-12 m	57-148 m/22-59 m/11-30 m/6-15 m	45-117 m/18-46 m/9-23 m/4-12 m	57-148 m/22-59 m/11-30 m/6-15 m
Storage	Industrial SD card support	■	■	■	■
	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	1/1	1/1	1/1	1/1
	Audio in / out	■/■	■/■	■/■	■/■
	Hybrid / public view monitor	–	–	–	–
Housing	Weather rating	IP66 NEMA Type 4X	IP66 NEMA Type 4X	IP66 NEMA Type 4X	IP66 NEMA Type 4X
	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+/–/■	PoE+/–/■	PoE+/–/■	PoE+/–/■
Accessories	Modular mount compatible	■	■	■	■

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▶DINION 3100i IR

2MP   5MP

Commercial Type Number		NBE-3702-AL	NBE-3703-AL
Bitrate management	Intelligent Dynamic Noise Reduction	–	–
	Intelligent streaming	■	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/3 streams	■/■/3 streams
Basic features	Maximum resolution ▶	HD 1080P	5MP
	Image sensor type ▶	1/2.8" CMOS	1/2.7" CMOS
	Max. frames per second (fps)	30	30
	Indoor / outdoor	■/■	■/■
	Day / night	■	■
	Wide Dynamic Range (WDR)	120 dB	120 dB
	ONVIF conformant	■	■
	Built-in microphone	–	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■
	Privacy masking	■	■
	Region Of Interest tracking	–	–
	Upright video mode	■	■
Analytics	Tamper detection / Video motion detection	■/■	■/■
	Intelligent Video Analytics Pro (IVA Pro): Buildings	■	■
	Intelligent Video Analytics Pro (IVA Pro): Traffic, Perimeter	–	–
Sensitivity	Minimum illumination day mode (color) ▶	0.06 lux	0.14 lux
	Minimum illumination night mode (black / white) ▶	0.016 lux / 0 lux with IR	0.03 lux / 0 lux with IR
	Night vision	■ (IR)	■ (IR)
	Max. range at night (IR range)	30 m	30 m
Lens	Automatic varifocal	■ (DC-iris)	■ (DC-iris)
	Focal length	3.3 - 10.2 mm	3.3 - 10.2 mm
	Horizontal Angle of View (HAoV) ▶	106° - 31°	101° - 30°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard) ▶	29-138/12-55/6-28/3-14	42-193/17-77/9-39/4-19
Storage	Industrial SD card support with health monitoring	■ 1 slot	■ 1 slot
	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	–	–
	Audio in / out	–	–
	Hybrid / public view monitor	–	–
Housing	Weather rating	IP66	IP66
	Vandal resistant	IK10	IK10
	Operating temperature	-30° to +50° C (-22 °F +122 °F)	-30° to +50° C (-22 °F +122 °F)
Power input voltage	Power over Ethernet / 12V / 24V	■/–/–	■/–/–
Accessories	Modular mount compatible	–	–
Commissioning	USB-C port for wireless dongle	–	–

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▶DINION 5100i IR

		2MP	5MP	8MP
Commercial Type Number		**NBE-5702-AL**	**NBE-5703-AL**	**NBE-5704-AL**
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	5MP	4K ultra HD
	Image sensor type ▶	1/2.8"	1/2.7"	1/2.8"
	Max. frames per second (fps) ▶	60	30	30
	Indoor / outdoor	–/■	–/■	–/■
	Day / night	■	■	■
	Wide Dynamic Range (WDR) ▶	144 dB HDR	120 dB HDR	120 dB HDR
	ONVIF conformant	■	■	■
	Built-in microphone	–	–	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■
	Privacy masking	■	■	■
	Region Of Interest tracking	–	–	–
	Upright video mode	■	■	■
Analytics	Tamper detection / Video motion detection	■ (Gyro based)	■ (Gyro based)	■ (Gyro based)
	Intelligent Video Analytics Pro (IVA Pro): Buildings	■	■	■
	Intelligent Video Analytics Pro (IVA Pro): Traffic, Perimeter	Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color) ▶	0.021 lux	0.06 lux	0.065 lux
	Minimum illumination night mode (black / white)	0 lux with IR on	0 lux with IR on	0 lux with IR on
	Night vision	■ (starlight)	■ (starlight)	■ (starlight)
	Max. range at night (IR range) ▶	60 m	60 m	45 m
Lens	Automatic varifocal	■ (P-iris)	■ (P-iris)	■ (P-iris)
	Focal length	3.2 - 10.5 mm	3.2 - 10.5 mm	3.2 - 10.5 mm
	Horizontal Angle of View (HAoV)	105° - 31°	96° - 29°	105° - 31°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	31-138/12-55/6-28/3-14	48-200/19-79/10-40/5-20	62-275/25-109/12-55/6-28
Storage	Industrial SD card support with health monitoring	■ 1 slot	■ 1 slot	■ 1 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
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 °F +131 °F)	-40° to +55° C (-40 °F +131 °F)	-40° to +55° C (-40 °F +131 °F)
Power input voltage	Power over Ethernet / 12V / 24V	■/■/■	■/■/■	■/■/■
Accessories	Modular mount compatible	■	■	■
Commissioning	USB-C port for wireless dongle	■	■	■

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▶DINION 7100i IR

Commercial Type Number			NBE-7702-ALX	NBE-7702-ALXT	NBE-7703-ALX	NBE-7703-ALXT
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	4MP	4MP
	Image sensor type		1/1.8"	1/1.8"	1/1.8"	1/1.8"
	Max. frames per second (fps)		60	60	60	60
	Indoor / outdoor		Indoor/outdoor	Indoor/outdoor	Indoor/outdoor	Indoor/outdoor
	Day / night		■/■	■/■	■/■	■/■
	Wide Dynamic Range (WDR)	▶	144dB HDR X	144dB HDR X	141dB 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		■	■	■	■
Analytics	Tamper detection / Video motion detection		■/■	■/■	■/■	■/■
	Audio detection		■	■	■	■
	Intelligent Video Analytics Pro: Buildings and Perimeter		■	■	■	■
	Intelligent Video Analytics Pro: Traffic		Optional (with license)	Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color)	▶	0.0061 lux	0.0061 lux	0.0078 lux	0.0078 lux
	Minimum illumination night mode (black / white)	▶	0.0010 lux / 0 lux with IR	0.0011 lux / 0 lux with IR	0.0011 lux / 0 lux with IR	0.0013lux / 0 lux with IR
	Night vision		■ 850nm IR default, optional 940nm invisible IR or white light	■ 850nm IR default, optional 940nm invisible IR or white light	■ 850nm IR default, optional 940nm invisible IR or white light	■ 850nm IR default, optional 940nm invisible IR or white light
	Max. range at night	▶	80 m (262 ft) (default)	140 m (459 ft) (default)	80 m (262 ft) (default)	140 m (459 ft) (default)
Lens	Automatic varifocal		■ (P-iris)	■ (P-iris)	■ (P-iris)	■ (P-iris)
	Focal length	▶	4.7 - 10 mm	10.5 - 47 mm	4.7 - 10 mm	10.5 - 47 mm
	Horizontal Angle of View (HAoV)	▶	103 - 48°	41.6 - 9.3°	103 - 48°	41.6 - 9.3°
DORI distances	Detect / Observe / Recognize / Identify (m)	▶	30-86/12-34/6-17/3-9	101-472/40-187/20-94/10-47	42-101/17-40/8-20/4-10	141-661/56-262/28-132/14-66
	(Distances in according to EN-IEC 62676-4 standard)					
Storage	Industrial SD card support with health monitoring		■ (2 slots)	■ (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	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output		4x virtual input	4x virtual input	4x virtual input	4x virtual input
	Audio in / out		■/■	■/■	■/■	■/■
	Hybrid / public view monitor		–	–	–	–
Housing	Weather rating		IP66/ IP67/IP6K9K	IP66/ IP67/IP6K9K	IP66/ IP67/IP6K9K	IP66/ IP67/IP6K9K
	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		■/■/■	■/■/■	■/■/■	■/■/■
Accessories	Modular mount compatible		■	■	■	■

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▶ = indication of main differentiator(s)

▶DINION 7100i IR

 Wide angle | 8MP

 Tele lens | 8MP

 HDR X | 8MP

Commercial Type Number			NBE-7704-AL	NBE-7704-ALT	NBE-7704-ALX
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		8MP	8MP	8MP
	Image sensor type	▶	1/1.8"	1/1.8"	1/1.2"
	Max. frames per second (fps)		30	30	30
	Indoor / outdoor		Indoor/outdoor	Indoor/outdoor	Indoor/outdoor
	Day / night		■/■	■/■	■/■
	Wide Dynamic Range (WDR)		120dB HDR	To be announced	128db HDR
	ONVIF conformant		■	■	■
	Built-in microphone		–	–	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog		–/–	–/–	–/–
	Privacy masking		■	■	■
	Region Of Interest tracking		–	–	–
	Upright video mode		■	■	■
Analytics	Tamper detection / Video motion detection		■/■	■/■	■/■
	Audio detection		■	■	■
	Intelligent Video Analytics Pro: Buildings and Perimeter		■	■	■
	Intelligent Video Analytics Pro: Traffic		Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color)		0.054 lux	To be announced	0.0122 lux
	Minimum illumination night mode (black / white)		0.0098 lux (0 with IR)	To be announced	0.0015 lux (0 with IR)
	Night vision		■ 850nm IR default, optional 940nm invisible IR or white light	■ 850nm IR default, optional 940nm invisible IR or white light	■ 850nm IR default, optional 940nm invisible IR or white light
	Max. range at night	▶	60 m (197 ft) (default)	To be announced	80 m (262 ft) (default)
Lens	Automatic varifocal		■ (P-iris)	■ (P-iris)	■ (P-iris)
	Focal length	▶	4.4 - 10 mm	12 - 38 mm	5.9 - 13 mm
	Horizontal Angle of View (HAoV)		108 - 44°	To be announced	110 - 48°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances in according to EN-IEC 62676-4 standard)		55-190/22-75/11-38/5-19	To be announced	53-172/21-68/10-34/5-17
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		IP66/ IP67/IP6K9K	IP66/ IP67/IP6K9K	IP66/ IP67/IP6K9K
	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		■	■	■

IP Video
Fixed Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

			▶DINION IP starlight 6000 HD **720p**	▶DINION IP starlight 7000 HD **720p**	▶DINION IP starlight 6000 HD **2MP**	▶DINION IP starlight 7000 HD **2MP**
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	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

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IP Video
Fixed Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

		▶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	■/■/–	■/■/–

** Lens not included

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IP Video
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▶ **FLEXIDOME corner 7100 IR**

■ Available – Not available

Commercial Type Number		NCE-7703-FK
Bitrate management	Intelligent Dynamic Noise Reduction	■
	Intelligent streaming	■
	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams
Basic features	Maximum resolution	6MP
	Image sensor type	1/1.8"
	Max. frames per second (fps)	30
	Indoor / outdoor	■
	Day / night	■
	Wide Dynamic Range (WDR)	120dB HDR
	ONVIF conformant	■
	Built-in microphone	Microphone array
	Visible activity LED	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■
	Privacy masking	■
	Nbr of presets	8
Analytics	Tamper detection / Video motion detection	■/■
	Built-in video analytics	■
	Intelligent Audio Analytics Gunshot detection	Optional (with license)
	Intelligent Video Analytics Pro (IVA Pro): Buildings Pack and Perimeter Pack	■
	Intelligent Video Analytics Pro (IVA Pro): Traffic Pack	–
Sensitivity	Minimum illumination day mode (color)	0.3 lux
	Minimum illumination night mode (black / white) (IR on)	0
	Night vision	■ (Intelligent IR)
	Max. range at night	15 m (50 ft)
Lens	Focal length	2.5 mm
	Horizontal Angle of View (HAoV)	131°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard)	25.7/10.2/5.1/2.6
Storage	Industrial SD card support with health monitoring	■
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting
Connections	Alarm input / output	1/1
	Audio in / out	■
	Hybrid / public view monitor	–
Housing	Weather rating	IP66
	Vandal resistant	IK10+ 50J (IK11)
	Operating temperature	-10° to 50° C (-14° to 122° F)
Power input voltage	Power over Ethernet / 12V / 24V	PoE/■/■
Accessories	Conduit Back Box	■
	Modular Mount Compatible	–

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IP Video
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■ Available – Not available
▶ = indication of main differentiator(s)

▶ **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	–/–/■	–/–/■

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IP Video
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■ Available – Not available
▶ = indication of main differentiator(s)

Commercial Type Number		▶AUTODOME IP 4000i (In-ceiling) NDP-4502-Z12C	▶AUTODOME IP 4000i (12x zoom) NDP-4502-Z12	▶AUTODOME IP starlight 5000i (Inceiling) NDP-5512-Z30C	▶AUTODOME IP starlight 5000i (30x zoom) NDP-5512-Z30	▶AUTODOME IP starlight 5000i IR (IR) 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	■/■/4 streams
Basic features	Maximum resolution	HD 1080p	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	1/2.8" CMOS
	Max. frames per second (fps)	60 fps@1080p	60 fps@1080p	60 fps@1080p	60 fps@1080p	60 fps@1080p
	Indoor / outdoor ▶	■/–	■/–	■/–	■/■	■/■
	Day / night	■	■	■	■	■
	Wide Dynamic Range (WDR) ▶	94dB	94dB	120dB	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	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	0.0186 lux
	Minimum illumination night mode (black / white) ▶	0.01 lux	0.01 lux	0.004 lux	0.004 lux	0 lux (IR on)
	Night vision ▶	–	–	–	–	■ (infrared)
	Max. range at night ▶	–	–	–	–	180m (590 ft)
Lens	Focal length ▶	5.3 - 64 mm	5.3 - 64 mm	4.5 - 135 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°	2.4° to 60.9°
	PTZ Zoom optical/digital ▶	12x/16x	12x/16x	30x/16x	30x/16x	30x/16x
	Tilt angle ▶	-90° to 0°	-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	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	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	2/1
	Audio in / out	■/■	■/■	■/■	■/■	■/■
	Hybrid / public view monitor	–/–	–/–	–/–	–/–	–/–
Housing	Weather rating ▶	IP51	IP65	IP51	IP66	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)	-40° to 60° C (-40° to 140° F)
Power input voltage	Power over Ethernet / 12V / 24Vac	■ (PoE+)/–/■	■ (PoE+)/–/■	■ (PoE+)/–/■	■ (PoE+)/–/■	■ (PoE+)/–/■

IP Video
Moving Cameras

- ■ Available – Not available
- ▶ = indication of main differentiator(s)

		▶AUTODOME IP starlight 5100i	▶AUTODOME IP starlight 5100i	▶AUTODOME IP starlight 5100i IR
		Inceiling / 20x zoom / 4MP / HDR X	20x zoom / 4MP / HDR X	IR+Whitelight / 4MP / HDR X
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	■/■/4 streams
Basic features	Maximum resolution	4MP	4MP	4MP
	Image sensor type	1/1.8" CMOS	1/1.8" CMOS	1/1.8" CMOS
	Max. frames per second (fps)	60 fps@4MP	60 fps@4MP	60 fps@4MP
	Indoor / outdoor ▶	■/–	■/■	–/■
	Day / night	■	■	■
	Wide Dynamic Range (WDR)	133dB HDR X	133dB HDR X	133dB HDR X
	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
	Wiper ▶	–	–	■ 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	0.0107 lux	0.0101 lux
	Minimum illumination night mode (black / white) ▶	0.0016 lux	0.0016 lux	0 lux (IR on)
	White light ▶	–	–	■
	Night vision ▶	–	–	■ (infrared)
	Max. range at night ▶	–	–	320 m (1050 ft)
Lens	Focal length ▶	6.5 - 130 mm	6.5 - 130 mm	6.6 - 198 mm
	Horizontal Angle of View (HAoV) ▶	3.5° to 61.1°	3.5° to 61.1°	2.1° to 58.5°
	PTZ Zoom optical/digital ▶	20x/16x	20x/16x	30x/16x
	Tilt angle ▶	-90° to 0°	-90° to 0°	-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	2/1	2/1
	Audio in / out	■/■	■/■	■/■
Housing	Weather rating ▶	IP51	IP66	IP66
	Vandal resistant ▶	IK6	IK10	IK10
	Operating temperature ▶	-10° to 55° C (14° to 131° F)	-40° to 60° C (-40° to 140° F)	-40° to 60° C (-40° to 140° F)
Power input voltage	Power over Ethernet / 12V / 24Vac ▶	■ (PoE+)/–/■	■ (PoE+)/–/■	■ IEEE802.3bt/-/■

IP Video
Moving Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

		▶AUTODOME IP starlight 7000i H.265	▶AUTODOME inteox 7000i H.265
Commercial Type Number		NDP-7512-Z30(C)	NDP-7602-Z30(C)x
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	HD 1080p
	Image sensor type	1/2.8"	1/2.8"
	Max. frames per second (fps)	60 fps@720p, 30 fps@1080p	60 fps@720p, 30 fps@1080p
	Indoor / outdoor	■/■	■/■
	Day / night	■	■
	Wide Dynamic Range (WDR)	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
	Wiper	–	–
	Intelligent Tracking	■	■
Analytics	Tamper detection / Video motion detection	■/■	■/■
	Intelligent Video Analytics (Including standard Intelligent Tracking) ▶	■	–
	Intelligent Video Analytics Pro Buildings ▶	–	■
	Intelligent Video Analytics Pro Perimeter (Including standard Intelligent Tracking) ▶	–	■
	Intelligent Video Analytics Pro Traffic ▶	–	Optional (with license)
	Intelligent Video Analytics Pro Intelligent Tracking ▶	–	Optional (with license)
Sensitivity	Minimum illumination day mode (color)	0.0077 lux	0.0077 lux
	Minimum illumination night mode (black / white)	0.0008 lux	0.0008 lux
	Night vision	■ (starlight)	■ (starlight)
	Max. range at night	–	–
Lens	Focal length	4.3 - 129 mm	4.3 - 129 mm
	Horizontal Angle of View (HAoV)	2.3° to 64.7°	2.3° to 64.7°
	PTZ Zoom optical/digital	30x/12x	30x/12x
	Tilt angle	-90° to 14° (pendant)	-90° to 14° (pendant)
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	61-1913/24-765/12-383/6-191	61-1913/24-765/12-383/6-191
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
Connections	Alarm input / output	7/4	7/4
	Audio in / out	■/■	■/■
	Hybrid / public view monitor	–/–	–/–
Housing	Weather rating	IP66 (pendant)/IP54 (in-ceiling)	IP66 (pendant)/IP54 (in-ceiling)
	Vandal resistant	IK10 (with rugged bubble)	IK10 (with rugged bubble)
	Operating temperature	-40° to 55° C (-40° to 131° F)	-40° to 55° C (-40° to 131° F)
Power input voltage	Power over Ethernet / 12V / 24Vac	■ (HiPoE)/–/■ (pendant) ■ (PoE+)/–/■ (in-ceiling)	■ (HiPoE)/–/■ (pendant) ■ (PoE+)/–/■ (in-ceiling)

* Restricted product, contact your Bosch representative

IP Video
Moving Cameras

■ Available – Not available
▶ = indication of main differentiator(s)

		▶AUTODOME 7100i	▶AUTODOME 7100i IR	
		2MP	2MP	8MP
Commercial Type Number		NDP-7602-Z40	NDP-7602-Z40L	NDP-7604-Z12L
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	HD 1080p	4K UHD
	Image sensor type ▶	1/2.8"	1/2.8"	1"
	Max. frames per second (fps) ▶	60	60	30
	Indoor / outdoor	■/■	■/■	■/■
	Day / night	■	■	■
	Wide Dynamic Range (WDR) ▶	120dB	120dB	62dB
	ONVIF conformant	■	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	■/■	■/■	■/■
	Privacy masking	■	■	■
	Nbr of presets/guard tours	256/2	256/2	256/2
	Wiper	–	–	–
	Intelligent tracking	■	■	■
Analytics	Tamper detection / Video motion detection	■/■	■/■	■/■
	Intelligent Video Analytics Pro Buildings	■	■	■
	Intelligent Video Analytics Pro Perimeter (including standard Intelligent Tracking)	■	■	■
	Intelligent Video Analytics Pro Traffic	Optional (with license)	Optional (with license)	Optional (with license)
	Intelligent Video Analytics Pro Intelligent Tracking	Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color) ▶	0.00067 lux	0.00067 lux	0.292 lux
	Minimum illumination night mode (black / white) ▶	0.0010 lux	0.0010 lux	0 lux (IR on)
	Night vision ▶	■ (starlight)	■ (starlight / IR)	■ IR
	Max. range IR at night ▶	–	300 m / 984 ft	200 m / 656 ft
Lens	Focal length ▶	4.25 - 170 mm	4.25 - 170 mm	9.3 - 111.6 mm
	Horizontal Angle of View (HAoV) ▶	1.9° to 66.35°	1.9° to 66.35°	6.1° to 64.6°
	PTZ Zoom optical/digital ▶	40x/32x	40x/32x	12x/12x
	Tilt angle	-90° to +20°	-90° to +20°	-90° to +20°
DORI distances	Detect / Observe / Recognize / Identify (m) (Distances according to EN-IEC 62676-4 standard) ▶	wide 59-194/23-75/12-39/6-20 tele 2316-7598/926-3038/ 463-1519/232-761	wide 59-194/23-75/12-39/6-20 tele 2316-7598/926-3038/ 463-1519/232-761	wide 121-397/49-161/24-79/12-39 tele 1441-4728//577-1893/288-945/144-472
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	2/1	2/1
	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 +140° F)	−40° to +50° C (-40° to +122° F)	−40° to +50° C (-40° to +122° F)
Power input voltage	Power over Ethernet / 12Vdc / 36Vdc / 24Vac	■/–/■/■	■/–/■/■	■/–/■/■

IP Video
Moving Cameras

■ Available − Not available
▶ = indication of main differentiator(s)

			▶MIC IP starlight 7100i		▶MIC IP ultra 7100i	▶MIC IP fusion 9000i
			2MP	2MP (enhanced version)	8MP (enhanced version)	
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	■/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)	■ (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)/−/■

IP Video
Moving Cameras

■ Available – Not available
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▶MIC inteox 7100i

		MIC-7602-Z30x	MIC-7602-Z30xR	MIC-7604-Z12xR
		2MP	2MP / enhanced version	8MP / enhanced version
Commercial Type Number		**MIC-7602-Z30x**	**MIC-7602-Z30xR**	**MIC-7604-Z12xR**
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	HD 1080p	4K UHD
	Image sensor type ▶	1/2"	1/2"	1"
	Max. frames per second (fps) ▶	30 fps@ 1080p	30 fps@ 1080p	30 fps@ UHD
	Indoor / outdoor	–/■	–/■	–/■
	Day / night	■	■	■
	Wide Dynamic Range (WDR) ▶	120dB	120dB	62dB
	ONVIF conformant	■	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■
	Privacy masking	■	■	■
	Nbr of presets/guard tours	256/2	256/2	256/2
	Wiper / Built in window defroster ▶	■/–	■/■	■/■
	Intelligent Tracking	–	–	–
	3rd party apps possible	■	■	■
	AI based Object classification detectors ▶	–	–	–
Analytics	Tamper detection / Video motion detection	■/■	■/■	■/■
	Intelligent Video Analytics Pro Buildings	■	■	■
	Intelligent Video Analytics Pro Perimeter (Including standard Intelligent tracking)	■	■	■
	Intelligent Video Analytics Pro Traffic ▶	Optional (with license)	Optional (with license)	Optional (with license)
	Intelligent Video Analytics Pro Intelligent Tracking)	Optional (with license)	Optional (with license)	Optional (with license)
Sensitivity	Minimum illumination day mode (color) ▶	0.0047 lux	0.0047 lux	0.292 lux
	Minimum illumination night mode (black / white) ▶	0.0013 lux	0.0013 lux	0.0110 lux
	Night vision	■ (optional illuminator)	■ (optional illuminator)	■ (optional illuminator)
	Max. range at night ▶	550 m (1804 ft)	550 m (1804 ft)	300 m (984 ft)
Lens	Focal length ▶	6.6 - 198 mm	6.6 - 198 mm	9.3 - 111.6 mm
	Horizontal Angle of View (HAoV) ▶	2.1° to 58.3°	2.1° to 58.3°	6.1° to 64.6°
	PTZ Zoom optical/digital ▶	30x/12x	30x/12x	12x/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)
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
Storage	Memory card slot ▶	■ (up to 2TB)	■ (up to 2TB)	■ (up to 2TB)
	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	–	–	–
	Audio in / out			
	Hybrid / public view monitor	■ (with external decoder)/–	■ (with external decoder)/–	■ (with external decoder)/–
Housing	Weather rating	IP68	IP68	IP68
	Vandal resistant	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)
Power input voltage	Power over Ethernet / 12V / 24Vac	■ HiPoE/–/■	■ HiPoE/–/■	■ HiPoE/–/■

* Restricted product, contact your Bosch representative

IP Video
Digital Recording

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		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
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

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IP Video
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Commercial Type Number			All-in-one solution ▶DIVAR IP all-in-one 4000 DIP-442xxx-xxx	▶DIVAR IP all-in-one 6000 DIP-644x-xxx	▶DIVAR IP all-in-one 7000 2U DIP-74Cx-xxx	▶DIVAR IP all-in-one 7000 3U 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		■	■	■	■
	SDK (IPP*)		■	■	■	■
	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

* Integration Partner Program (IPP) for more information visit https://www.boschsecurity.com/xc/en/partners

IP Video
Digital Storage

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	■

IP Video
Digital Storage

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	–
	SDK (IPP*)	–

* Integration Partner Program (IPP) for more information visit https://www.boschsecurity.com/xc/en/partners

IP Video
Video Software

■ Available – Not available
▶ = indication of main differentiator(s)

▶Video Management System

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

IP Video
Viewing Software

■ Available − Not available
▶ = indication of main differentiator(s)

Name			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

IP Video
Decoders

▶VIDEOJET decoder 7000

■ Available – Not available
▶ = indication of main differentiator(s)

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

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IP Video
Flat Panel Monitors

▶ **High Definition**

| 23.8" | 27" | 27" | 32" | 43" | 55" |

■ Available – Not available
▶ = indication of main differentiator(s)

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	–	–

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