



BOSCH

Invented for life

IP Video product overview

September 2017

Table of Contents

Dome Cameras	4
Fixed Cameras	12
Specialty Cameras	17
Moving Cameras	19
Digital Recording	24
Digital Storage	26
Video Software	31
Viewing Software	32
Encoders and Decoders	33
Transcoders	34
Flat panel monitors	35

Video systems

Rethink video security

At Bosch we are dedicated to innovating security where you need it most. We constantly push the boundaries of technology to develop intelligent solutions that go beyond the highest security demands of today and deliver clear business advantages beyond security. We believe that the logical next-step for security is to enable customers to interpret the data to start repurposing these huge amounts of video data. The ability to interpret video data directly at source helps to substantially improve levels of security, as well as offering clear business advantages.



Utilize the hidden potential

Despite the huge amounts of video data collected, statistics say that only 10% of data is ever used and most of the data collected loses its value within seconds of being generated. Why are we only using such a limited amount of data? We are mainly focused on delivering the right

information in case of an emergency or providing the correct evidence after a criminal act.

We believe that the future is to utilize the hidden potential and use 100% of the video security data. Allowing this data to do far more for businesses than security alone.



Video analytics at the edge

So what about the hidden potential of that unused data? Wouldn't it be great to enable captured video data to do more for businesses than security alone? With built-in video analytics as standard, we enable customers to interpret data directly at the source, to re-assign it to help them make smarter business decisions. Anything from monitoring presence to reduce utility bills, to identifying patterns in customer activity to improve sales by recognizing 'hot spots' in retail environments. Or distinguishing 'road blocks' to optimize shop layout to increase customer satisfaction.

Areas of expertise

Before we can rethink video security we need to ensure that excellence in video security and data management is given. This is why our intelligent portfolio is built around our areas of expertise. Delivering highest quality of relevant images, most efficient bitrates with lowest storage requirements and network strain, and keeping video data secure.

Highest image quality

Bosch delivers the highest quality images with technologies such as resolutions up to 4K ultra HD, starlight technology and excellent dynamic ranges.



Intelligent bitrate management

Bosch helps to reduce bitrate by up to 80% and substantially lower network strain and storage requirements without compromising video quality.



Data security

Bosch video security solutions offer various software and hardware measures, such as a built-in Trusted Platform Module, to keep video data secure.



IP Video

Dome Cameras

►FLEXIDOME IP micro 5000



■ Available – Not available

Commercial Type Number		NUC-51022-FX	NUC-51051-FX
Video analytics at the edge	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
Basic features	Maximum resolution	HD 1080p	5MP
	Image sensor type	1/2.7"	1/3"
	Max. frames per second (fps)	30 fps@ 1080p	12 fps@ 5MP
	Indoor / outdoor / in-vehicle	■/■/–	■/■/–
	Day / night	■ (electronic)	■ (electronic)
	Wide Dynamic Range (WDR)	76dB	65dB
	ONVIF conformant	■	■
	Built-in microphone	–	–
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)	0.4 lux (F4) 1 lux (F2)	0.8 lux (F4) 2 lux (F2)
	Minimum illumination night mode (black/white)	–	–
	Night vision	–	–
	Max. range at night	–	–
	Automatic Back Focus (ABF)	–	–
Lens	Automatic varifocal	–	–
	Focal length	3.6 mm (F4) 2.5 mm (F2)	3.6 mm (F4) 2.5 mm (F2)
	Horizontal Angle of View (HAoV)	97° (F4) 135° (F2)	69° (F4) 105° (F2)
	DORI distances	34/13/7/3 (F4) 16/6/3/2 (F2)	69/27/14/7 (F4) 40/16/8/4 (F2)
Storage	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)
	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	IK08	IK08
	Operating temperature	–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

►FLEXIDOME IP indoor 5000 IR

►FLEXIDOME IP indoor 5000 HD



■ Available – Not available

Commercial Type Number		NII-50022-A3	NIN-50022-A3
Video analytics at the edge	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
Basic features	Maximum resolution	HD 1080p	HD 1080p
	Image sensor type	1/2.7"	1/2.7"
	Max. frames per second (fps)	30 fps @ 1080p	30 fps @ 1080p
	Indoor / outdoor / in-vehicle	■/–/–	■/–/–
	Day / night	■	■
	Wide Dynamic Range (WDR)	76dB	76dB
	ONVIF conformant	■	■
	Built-in microphone	■	■
	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■
Advanced features	Privacy masking	■	■
	Region Of Interest tracking	–	–
	Tamper detection / Video motion detection	■	■
Alarm triggering	Built-in video analytics	–	–
	Audio detection	■	■
	Minimum illumination day mode (color)	0.24 lux	0.24 lux
Sensitivity	Minimum illumination night mode (black/white)	0 lux (IR on)	0.05 lux
	Night vision	■ (infrared)	–
	Max. range at night	15 m (50 ft)	–
Lens	Automatic Back Focus (ABF)	–	–
	Automatic varifocal	■	■
	Focal length	3 -10 mm	3 -10 mm
	Horizontal Angle of View (HAoV)	36°-117°	36°-117°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	24-118/9-47/5-24/2-12	24-118/9-47/5-24/2-12
Storage	Memory card slot	■ up to 2 TB	■ up to 2 TB
	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	1/1	1/1
	Audio in / out	■/■	■/■
	Hybrid / public view monitor	■/■	■/■
Housing	Weather rating	–	–
	Vandal resistant	IK04	IK04
	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	■/■/–	■/■/–

IP Video

Dome Cameras

►FLEXIDOME IP outdoor 5000 IR



►FLEXIDOME IP outdoor 5000 HD



■ Available – Not available

Commercial Type Number		NDI-50022-A3	NDN-50022-A3
Video analytics at the edge	Essential Video Analytics	–	–
	Intelligent Video Analytics	–	–
Bitrate management	Intelligent Dynamic Noise Reduction	■	■
	Intelligent streaming	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams
	Maximum resolution	HD 1080p	HD 1080p
	Image sensor type	1/2.7"	1/2.7"
	Max. frames per second (fps)	30 fps @ 1080p	30 fps @ 1080p
	Indoor / outdoor / in-vehicle	■/■/–	■/■/–
	Day / night	■	■
	Wide Dynamic Range (WDR)	76dB	76dB
	ONVIF conformant	■	■
	Built-in microphone	–	–
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)	0.24 lux	0.24 lux
	Minimum illumination night mode (black/white)	0 lux (IR on)	0.05 lux
	Night vision	■ (infrared)	–
	Max. range at night	15 m (50 ft)	–
Lens	Automatic Back Focus (ABF)	–	–
	Automatic varifocal	■	■
	Focal length	3 -10 mm	3 -10 mm
	Horizontal Angle of View (HAoV)	36°-117°	36°-117°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	24-118/9-47/5-24/2-12	24-118/9-47/5-24/2-12
Storage	Memory card slot	■ up to 2 TB	■ up to 2 TB
	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	1/1	1/1
	Audio in / out	■/■	■/■
	Hybrid / public view monitor	■/■	■/■
Housing	Weather rating	IP66	IP66
	Vandal resistant	IK10	IK10
	Operating temperature	-40° to 50° C (-22° to 122° F)	-40° to 50° C (-22° to 122° F)
Power input voltage	Power over Ethernet/12V/24V	■/■/–	■/■/–

IP Video

Dome Cameras

►FLEXIDOME IP indoor 4000i

►FLEXIDOME IP outdoor 4000i

►FLEXIDOME IP indoor 4000i IR

►FLEXIDOME IP outdoor 4000i IR



■ Available – Not available

Commercial Type Number		NDI-4502-A	NDE-4502-A	NDI-4502-AL	NDE-4502-AL
Video analytics at the edge	Essential Video Analytics	■	■	■	■
	Intelligent Video Analysis	–	–	–	–
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	1/2.9"	1/2.9"	1/2.9"	1/2.9"
	Max. frames per second (fps)	30 fps@ 1080p	30 fps@ 1080p	30 fps@ 1080p	30 fps@ 1080p
	Indoor / outdoor / in-vehicle	■/ – / –	■/■/–	■/ – / –	■/■/–
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	88dB	88dB	88dB	88dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	■	■	■	■
	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■	–/■
Advanced features	Privacy masking	■	■	■	■
	Region Of Interest tracking	–	–	–	–
	Upright video mode	■	■	■	■
	Tamper detection / Video motion detection	■	■	■	■
Alarm triggering	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
	Minimum illumination day mode (color)	0.1 lux	0.1 lux	0.1 lux	0.1 lux
Sensitivity	Minimum illumination night mode (black / white)	0.02 lux	0.02 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 Back Focus (ABF)	–	–	–	–
	Automatic varifocal	■	■	■	■
	Focal length	3 - 10 mm	3 - 10 mm	3 - 10 mm	3 - 10 mm
	Horizontal Angle of View (HAoV)	34° - 101°	34° - 101°	34° - 101°	34° - 101°
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	Memory card slot	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB
	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 (-22° to 122° F)	-20° to 50° C (-4° to 122° F)	-40° to 50° C (-22° to 122° F)
Power input voltage	Power over Ethernet/12V/24V	■/■/■	■/■/■	■/■/■	■/■/■

IP Video

Dome Cameras

►FLEXIDOME IP indoor 5000i

►FLEXIDOME IP outdoor 5000i

►FLEXIDOME IP indoor 5000i IR

►FLEXIDOME IP outdoor 5000i IR



■ Available – Not available

Commercial Type Number		NDI-5503-A	NDE-5503-A	NDI-5503-AL	NDE-5503-AL
Video analytics at the edge	Essential Video Analytics	■	■	■	■
	Intelligent Video Analytics	–	–	–	–
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/■/4 streams	■/■/4 streams	■/■/4 streams	■/■/4 streams
	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 / in-vehicle	■/-/-	■/■/-	■/-/-	■/■/-
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	■	■	■	■
	Intelligent Auto Exposure / Intelligent Defog	■/■	■/■	■/■	■/■
Advanced features	Privacy masking	■	■	■	■
	Region Of Interest tracking	–	–	–	–
	Tamper detection / Video motion detection	■	■	■	■
Alarm triggering	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
	Minimum illumination day mode (color)	0.24 lux	0.24 lux	0.24 lux	0.24 lux
Sensitivity	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 Back Focus (ABF)	–	–	–	–
	Automatic varifocal	■	■	■	■
	Focal length	3 - 10 mm	3 - 10 mm	3 - 10 mm	3 - 10 mm
	Horizontal Angle of View (HAoV)	26° - 77°	26° - 77°	26° - 77°	26° - 77°
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	Memory card slot	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB
	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 (-22° to 122° F)	-20° to 50° C (-4° to 122° F)	-40° to 50° C (-22° to 122° F)
Power input voltage	Power over Ethernet/12V/24V	■/■/■	■/■/■	■/■/■	■/■/■

IP Video

Dome Cameras

►FLEXIDOME IP starlight 6000 VR



►FLEXIDOME IP starlight 7000 VR



►FLEXIDOME IP starlight 6000 VR



►FLEXIDOME IP starlight 7000 VR



■ Available – Not available

Commercial Type Number		NIN-63013-Axxx	NIN-73013-Axxx	NIN-63023-Axxx	NIN-73023-Axxx
Video analytics at the edge	Essential Video Analytics	■	–	■	–
	Intelligent Video Analysis	–	■	–	■
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams	–/■/4 streams	–/■/4 streams
	Maximum resolution	720p	720p	1.3MP / 1080p	1.3MP / 1080p
	Image sensor type	1/2.8"	1/2.8"	1/2.8"	1/2.8"
	Max. frames per second (fps)	60fps @ 720p	60 fps@ 720p	60 fps@ 1.3MP / 1080p	60 fps@ 1.3MP / 1080p
	Indoor / outdoor / in-vehicle	■/■/–	■/■/–	■/■/–	■/■/–
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	–	–	–	–
	Intelligent Auto Exposure / Intelligent Defog	■/■	■/■	■/■	■/■
Advanced features	Privacy masking	■	■	■	■
	Region Of Interest tracking	■	■	■	■
	Upright video mode	■	■	■	■
	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
Alarm triggering	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
	Minimum illumination day mode (color)	0.0075 lux	0.0075 lux	0.0075 lux	0.0075 lux
Sensitivity	Minimum illumination night mode (black / white)	0.0011 lux	0.0011 lux	0.0011 lux	0.0011 lux
	Night vision	■ (starlight)	■ (starlight)	■ (starlight)	■ (starlight)
	Max. range at night	–	–	–	–
Lens	Automatic Back Focus (ABF)	■	■	■	■
	Automatic varifocal	■	■	■	■
	Focal length	3 - 9 mm (A3xx)	3 - 9 mm (A3xx) 10 - 23 mm (A10xx)	3 - 9 mm (A3xx)	3 - 9 mm (A3xx) 10 - 23 mm (A10xx)
	Horizontal Angle of View (H AoV)	59° - 117° (A3xx)	59° - 117° (A3xx) 14.4° - 32° (A10xx)	59° - 117° (A3xx)	59° - 117° (A3xx) 14.4° - 32° (A10xx)
DORI distances	Detect / Observe / Recognize / Identify (Distances in according to EN-IEC 62676-4 standard)	43-122/17-47/9-24/4-12 (A3xx)	43-122/17-47/9-24/4-12 (A3xx) 144-313/56-122/28-62/14-31 (A10xx)	43-122/17-47/9-24/4-12 (A3xx)	43-122/17-47/9-24/4-12 (A3xx) 144-313/56-122/28-62/14-31 (A10xx)
Storage	Memory card slot	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB
	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	IP66 and NEMA type 4X	IP66 and NEMA type 4X	IP66 and NEMA type 4X	IP66 and NEMA type 4X
	Vandal resistant	IK10	IK10	IK10	IK10
	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	■/■/–	■/■/–	■/■/–	■/■/–

IP Video

Dome Cameras

►FLEXIDOME IP starlight 7000 RD

►FLEXIDOME IP 7000 RD

►FLEXIDOME IP dynamic 7000 RD



■ Available – Not available

Commercial Type Number		NDN-733Vxx-xx	NDN-832Vxx-xx	NDN-932Vxx-IP
Video analytics at the edge	Essential Video Analytics	–	–	–
	Intelligent Video Analytics	■ (depends on model)	■ (depends on model)	■
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■
	Intelligent streaming	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams	–/■/4 streams
	Maximum resolution	HD 720p/1.3 MP (4:3)	HD 1080p	HD 1080p
	Image sensor type	1/3"	1/2.7"	1/3"
	Max. frames per second (fps)	60 fps@ 720p	30 fps@ 1080p	30 fps@ 1080p
	Indoor / outdoor / in-vehicle	■/■/–	■/■/–	■/■/–
	Day / night	■	■	■
	Wide Dynamic Range (WDR)	84dB (model with IAE + 16dB)	76dB (model with IAE + 16dB)	90dB (with IAE + 16dB)
	ONVIF conformant	■	■	■
Advanced features	Built-in microphone	–	–	–
	Intelligent Auto Exposure / Intelligent Defog	■ (depends on model)/■	■ (depends on model)/■	■/■
	Privacy masking	■	■	■
	Region Of Interest tracking	■	■	■
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■	■/■
	Built-in video analytics	■ (depends on model)	■ (depends on model)	■
	Audio detection	■	■	■
Sensitivity	Minimum illumination day mode (color)	0.017 lux	0.22 lux	0.25 lux
	Minimum illumination night mode (black/white)	0.0057 lux	0.05 lux	0.08 lux
	Night vision	■ (starlight)	–	–
	Max. range at night	–	–	–
Lens	Automatic Back Focus (ABF)	■	■	■
	Automatic varifocal	–	–	–
	Focal length	1.8 - 3 mm (V02-xx), 3.8 - 13 mm (V03-xx), 9 - 40 mm (V09-xx)	1.8 - 3 mm (V02-xx), 3.8 - 13 mm (V03-xx), 9 - 40 mm (V09-xx)	1.8 - 3 mm (V02-xx), 3.8 - 13 mm (V03-xx), 9 - 40 mm (V09-xx)
	Horizontal Angle of View (HAAV)	77° - 105° (V02-xx), 21° - 72° (V03-xx), 7.1° - 30° (V09-xx)	87° - 115° (V02-xx), 26° - 87° (V03-xx), 8.5° - 37° (V09-xx)	70°-98° (V02-xx), 19°-63° (V03-xx), 6.2°-26° (V09-xx)
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	20-32/8-13/4-6/2-3 (V02-xx) 35-138/14-55/7-28/4-14 (V03-xx) 96-413/38-164/19-83/10-41 (V09-xx)	16-40/6-16/3-8/2-4 (V02-xx) 27-166/11-66/5-33/3-17 (V03-xx) 77-517/30-205/15-103/8-52 (V09-xx)	22-55/9-22/4-11/2-5 (V02-xx) 42-229/17-91/8-46/4-23 (V03-xx) 111-709/44-281/22-142/11-71 (V09-xx)
Storage	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)	■ (up to 2 TB)
	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	Auto or Alarm JPEG Posting, Best Face Detection 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 & IP67	IP66 & IP67	IP66 & IP67
	Vandal resistant	Exceeding IK10	Exceeding IK10	Exceeding IK10
	Operating temperature	-50° to 50° C (-58° to 122° F)	-50° to 50° C (-58° to 122° F)	-50° to 50° C (-58° to 122° F)
Power input voltage	Power over Ethernet/12V/24V	■/■/■	■/■/■	■/■/■

IP Video

Dome Cameras

►FLEXIDOME IP panoramic 5000 MP ►FLEXIDOME IP panoramic 5000 MP ►FLEXIDOME IP panoramic 7000 MP ►FLEXIDOME IP panoramic 7000 IC



■ Available – Not available

Commercial Type Number		NUC-52051-F0	NUC-52051-F0E	NIN-70122-Fx(A)	NFN-70122-Fx(A)
Video analytics at the edge	Essential Video Analytics	–	–	■ (depending on model)	■ 6000 model
	Intelligent Video Analytics	–	–	■ (depending on model)	■ 7000 model
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams	–/■/4 streams	–/■/4 streams
	Maximum resolution	5MP	5MP	12MP	12MP
	Image sensor type	1/3"	1/3"	1/2.3"	1/2.3"
	Max. frames per second (fps)	15 fps	15 fps	30 fps	30 fps
	Indoor / outdoor / in-vehicle	■/–/–	■/■/–	■/–/–	■/–/–
	Day / night	■ (electronic)	■ (electronic)	■	■
	Wide Dynamic Range (WDR)	81dB	81dB	92dB (with IAE + 16dB)	92dB (with IAE + 16dB)
	ONVIF conformant	■	■	■	■
	Built-in microphone	■	–	■	–
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	■ (customized region)/■	■ (customized region)/■
	Edge dewarping	–	–	■	■
	Privacy masking	■	■	■	■
	Region Of Interest tracking	–	–	■	■
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
	Built-in video analytics	–	–	■	■
	Audio detection	■	–	■	■
	PTZ Intelligent Tracking	–	–	■	■
Sensitivity	Minimum illumination day mode (color)	0.36 lux	0.36 lux	0.46 lux (F1) 0.55 lux (F0)	0.46 lux (F1) 0.55 lux (F0)
	Minimum illumination night mode (black/white)	0.12 lux	0.12 lux	0.15 lux (F1) 0.18 lux (F0)	0.15 lux (F1) 0.18 lux (F0)
	Night vision	–	–	–	–
	Max. range at night	–	–	–	–
Lens	Focal length	1.19 mm	1.19 mm	1.6 mm (F1) 2.1 mm (F0)	1.6 mm (F1) 2.1 mm (F0)
	Horizontal Angle of View (HAoV)	360°	360°	180° (F1) 360° (F0)	180° (F1) 360° (F0)
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	19/7/4/1	19/7/4/1	19/12/6.5/3.5 (F1) 19/8.5/4.5/2 (F0)	19/12/6.5/3.5 (F1) 19/8.5/4.5/2 (F0)
Storage	Memory card slot	■ MicroSD (up to 2 TB)	■ MicroSD (up to 2 TB)	■ MicroSD (up to 2 TB)	■ MicroSD (up to 2 TB)
	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, 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	–	–	–	–
	Audio in / out	–	–	–	–
	Hybrid / public view monitor	–	–	–	–
Housing	Weather rating	–	IP66	–	–
	Vandal resistant	IK4	IK10	IK6	IK6
	Operating temperature	-20° C to +50° C (-4° F to 104° F)	-30° C to +50° C (-22° F to 122° F)	-20° C to +40° C (-4° F to 104° F)	-20° C to +40° C (-4° F to 104° F)
Power input voltage	Power over Ethernet/12V/24V	■/■/–	■/■/–	■/–/–	■/–/–

IP Video

Fixed Cameras

►TINYON IP 2000 HD



►TINYON IP 2000 WI



►TINYON IP 2000 PIR



■ Available – Not available

Commercial Type Number		NPC-20012-F2(-W)	NPC-20012-F2WL(-W)	NPC-20012-F2L(-W)
Video analytics at the edge	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
Basic features	Maximum resolution	HD 720p	HD 720p	HD 720p
	Image sensor type	1/4"	1/4"	1/4"
	Max. frames per second (fps)	30 fps@ 720p	30 fps@ 720p	30 fps@ 720p
	Indoor / outdoor / in-vehicle	■/–/–	■/–/–	■/–/–
	Day / night	■ (electronic)	■ (electronic)	■ (electronic)
	Wide Dynamic Range (WDR)	76dB	76dB	76dB
	ONVIF conformant	■	■	■
	Built-in microphone	■	■	■
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	■	■	■
	Passive infrared (PIR) motion detection	–	■	■
Sensitivity	Minimum illumination day mode (color)	1 lux	1 lux 0 lux (with wLED)	1 lux 0 lux (with wLED)
	Minimum illumination night mode (black/white)	–	–	–
	Night vision	–	■ (wLED)	■ (wLED)
	Max. range at night	–	4 m (13 ft)	4 m (13 ft)
Lens	Automatic Back Focus (ABF)	–	–	–
	Automatic varifocal	–	–	–
	Focal length	2.5 mm	2.5 mm	2.5 mm
	Horizontal Angle of View (HAoV)	89°	89°	89°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	26/10/5/3	26/10/5/3	26/10/5/3
Storage	Memory card slot	■ (up to 2 TB)	–	■ (up to 2 TB)
	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	–/– (built-in loudspeaker)	–/– (built-in loudspeaker)	–/– (built-in loudspeaker)
	Hybrid / public view monitor	–/–	–/–	–/–
	Wireless (WPS, IEEE 802, 11b/g/n)	–	■	–
Housing	Weather rating	–	–	–
	Vandal resistant	–	–	–
	Operating temperature	–10° to 50° C (14° to 122° F)	–10° to 40° C (14° to 104° F)	–10° to 45° C (14° to 113° F)
Power input voltage	Power over Ethernet/12V/24V	■/–/–	–/–/–	■/–/–

End of life: 31-03-2018

Last buy date: 30-12-2017

IP Video

Fixed Cameras

►DINION IP 4000 HD



►DINION IP 5000 HD



►DINION IP 5000 MP



■ Available – Not available

Commercial Type Number		NBN-40012-xxx	NBN-50022-xxx	NBN-50051-xxx
Video analytics at the edge	Essential Video Analytics	–	–	–
	Intelligent Video Analytics	–	–	–
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■
	Intelligent streaming	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams	–/■/4 streams
	Maximum resolution	HD 720p/1.3 MP (4:3)	HD 1080p	5MP
	Image sensor type	1/2.7"	1/2.7"	1/3"
	Max. frames per second (fps)	30 fps@ 720p	30 fps@ 1080p	12 fps@ 5MP
	Indoor / outdoor / in-vehicle	■/■ (with housing)/–	■/■ (with housing)/–	■/■ (with housing)/–
	Day / night	■	■	■
	Wide Dynamic Range (WDR)	76dB	76dB	81dB
	ONVIF conformant	■	■	■
	Built-in microphone	■	■	■
	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/–
Advanced features	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)	0.25 lux	0.25 lux	0.35 lux
	Minimum illumination night mode (black/white)	0.05 lux	0.05 lux	0.05 lux
	Night vision	–	–	–
	Max. range at night	–	–	–
Lens	Automatic Back Focus (ABF)	–	–	–
	Automatic varifocal	–	–	–
	Focal length	3.3 - 12 mm (V3)/CS mount	3.3 - 12 mm (V3)/CS mount	3.3 - 12 mm (V3)/CS mount
	Horizontal Angle of View (H AoV)	34° - 110° (V3)	34° - 110° (V3)	25° - 82° (V3)
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	18-84/7-33/4-17/2-8 (V3)	27-125/11-50/5-25/3-13 (V3)	60-234/24-93/12-47/6-23 (V3)
Storage	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)	■ (up to 2 TB)
	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	–	–	–
	Vandal resistant	–	–	–
	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)
Power input voltage	Power over Ethernet/12V/24V	■/■/–	■/■/–	■/■/–

IP Video

Fixed Cameras

►DINION IP 5000



►DINION IP 4000i IR



►DINION IP 5000i IR



►DINION IP starlight 6000i IR



■ Available – Not available

Commercial Type Number		NTI-50022-A3S	NBE-4502-AL	NBE-5503-AL	NBE-6502-AL
Video analytics at the edge	Essential Video Analytics	–	■	■	■
	Intelligent Video Analytics	–	–	–	–
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	■/■/4 streams	■/■/4 streams	■/■/4 streams
	Maximum resolution	HD 1080p	HD 1080p	5MP	HD 1080p
	Image sensor type	1/2.9"	1/2.8"	1/2.9"	1/2.8"
	Max. frames per second (fps)	30 fps@ 1080p	30 fps@ 1080p	30 fps@ 5MP	60 fps@ 1080p
	Indoor / outdoor / in-vehicle	■/■/–	■/■/–	■/■/–	■/■/–
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	76dB	85dB	120dB	134dB
	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)	0.07 lux	0.052 lux	0.369 lux	0.0225 lux
	Minimum illumination night mode (black/white)	0 lux (IR on)	0lux (IR on)	0lux (IR on)	0lux (IR on)
	Night vision	■ (infrared)	■ (Infrared)	■ (Infrared)	■ (Infrared)
	Max. range at night	30 m (98 ft)	60 m (196 ft)	50 m (164 ft)	60 m (196 ft)
Lens	Automatic Back Focus (ABF)	–	–	–	–
	Automatic varifocal	■	■	■	■
	Focal length	2.7 - 12 mm	2.8 - 12 mm	2.7 - 12 mm	2.8 - 12 mm
	Horizontal Angle of View (HAoV)	32° - 100°	33° - 100°	28° - 95°	33° - 100°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	32-133/12-53/6-26/3-13	33-130/13-51/6-26/3-13	56-246/22-98/11-49/6-25	33-130/13-51/6-26/3-13
Storage	Memory card slot	■ (up to 2 TB)	■ (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	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	IP67	IP67	IP67
	Vandal resistant	IK08	IK10	IK10	IK10
	Operating temperature	-30° to 60° C (-22° to 140° F)	-40° to 60° C (-40° 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/24V	■/■/■	■/■/■	■/■/■	■/■/■

* The hybrid functionality offers an easy migration path from legacy CCTV to a modern IP-based system

** The NTI-50022-A3S model has a pre-mounted Surface Mount Box

IP Video

Fixed Cameras

►DINION IP starlight 6000 HD



►DINION IP starlight 7000 HD



►DINION IP starlight 6000 HD



►DINION IP starlight 7000 HD



■ Available – Not available

Commercial Type Number		NBN-63013-B **	NBN-73013-BA **	NBN-63023-B **	NBN-73023-BA **
Video analytics at the edge	Essential Video Analytics	■	–	■	–
	Intelligent Video Analysis	–	■	–	■
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■
	Intelligent streaming	■	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams	–/■/4 streams	–/■/4 streams
	Maximum resolution	720p	720p	1.3MP / 1080p	1.3MP / 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 / in-vehicle	■/■(with housing)/–	■/■(with housing)/–	■/■(with housing)/–	■/■(with housing)/–
	Day / night	■	■	■	■
	Wide Dynamic Range (WDR)	120dB	120dB	120dB	120dB
	ONVIF conformant	■	■	■	■
	Built-in microphone	–	–	–	–
	Intelligent Auto Exposure / Intelligent Defog	■/■	■/■	■/■	■/■
Advanced features	Privacy masking	■	■	■	■
	Region Of Interest tracking	■	■	■	■
	Upright video mode	■	■	■	■
	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■
Alarm triggering	Built-in video analytics	■	■	■	■
	Audio detection	■	■	■	■
	Minimum illumination day mode (color)	0.0069 lux	0.0069 lux	0.0069 lux	0.0069 lux
Sensitivity	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	–	–	–	–
	Automatic Back Focus (ABF)	■	■	■	■
Lens	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 (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	Memory card slot	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB	■ up to 2 TB
	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

IP Video

Fixed Cameras

►DINION IP starlight 8000 MP



►DINION IP ultra 8000 MP



■ Available – Not available

Commercial Type Number		NBN-80052-BA	NBN-80122-CA
Video analytics at the edge	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
Basic features	Maximum resolution	5 MP (16:9)/5.5 MP (4:3)	12 MP (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 / in-vehicle	■/■ (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 (CA)
	Minimum illumination night mode (black/white)	0.004 lux (5 MP) 0.0028 lux (1080p)	0.037 lux (CA)
	Night vision	■ (starlight)	–
	Max. range at night	–	–
	Automatic Back Focus (ABF)	■	–/■(CA)
Lens	Automatic varifocal	–	–
	Focal length	C/CS mount	C/CS mount (CA) - 35/50/75 P-iris lens 4-13 mm
	Horizontal Angle of View (HAoV)	Depending on optional lens	C/CS mount (CA) - 35/50/75 P-iris len: Wide: 86x48°; Tele: 27x15°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	Depending on optional lens	Depending on optional lens (CA)
Storage	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)
	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	■/■/–	■/■/–

IP Video

Specialty Cameras

►DINION IP capture 5000



►DINION IP imager 9000 HD



►FLEXIDOME IP corner 9000 MP



■ Available – Not available

Commercial Type Number		NER-L2Rx-1	NAI-90022-AAA	NCN-90022-F1
Video analytics at the edge	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
Basic features	Maximum resolution	576p	HD 1080p	1080p
	Image sensor type	1/3"	1/2.7"	1/2.7"
	Max. frames per second (fps)	30 fps@ 576p	30 fps@ 1080p	30 fps@ 1080p
	Indoor / outdoor / in-vehicle	–/■/–	–/■/–	■/–/–
	Day / night	■	■	■
	Wide Dynamic Range (WDR)	120dB	76dB (with IAE +16dB)	76dB
	ONVIF conformant	■	■	■
	Built-in microphone	–	–	–
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)	–	0.4 lux	0.3 lux
	Minimum illumination night mode (black/white)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)
	Night vision	■ (infrared)	■ (infrared)	■ (infrared)
	Max. range at night	28 m (92 ft)	120 m (394 ft)	9 m (30 ft)
Lens	Automatic Back Focus (ABF)	–	■	–
	Automatic varifocal	–	■	–
	Focal length	5 - 50 mm varifocal (calibrated to optimal capture distance)	10 - 23 mm	2 mm
	Horizontal Angle of View (HAoV)	5.3° - 31.9°	14.8° - 34°	121°
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	–	126-296/50-117/25-59/13-30	20/8/4/2
Storage	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)	■ (up to 2 TB)
	Cloud application storage	Auto or Alarm JPEG Posting, Video Clips or JPEG Exporting	Auto or Alarm JPEG Posting, Best Face Detection 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	–/–	■/■	■/■
	Hybrid / public view monitor	–/–	■/■	–/–
Housing	Weather rating	IP67	IP66	IP65
	Vandal resistant	–	IK10	IK10
	Operating temperature	–40° to 50° C (–40° to 122° F)	–40° to 50° C (–40° to 122° F)	–10° to 50° C (14° to 122° F)
Power input voltage	Power over Ethernet/12V/24V	■/■/■	■ (HiPoE)/■/■	■/■/■

IP Video

Specialty Cameras

►DINION IP thermal 8000



QVGA

►DINION IP thermal 8000



VGA

■ Available – Not available

Commercial Type Number		NHT-8000-F	NHT-8001-F
Video analytics at the edge	Essential Video Analytics	–	–
	Intelligent Video Analytics	■	■
Bitrate management	Intelligent Dynamic Noise Reduction	–	–
	Intelligent streaming	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams
	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 / in-vehicle	■/■/–	■/■/–
	Day / night	–	–
	Wide Dynamic Range (WDR)	–	–
	ONVIF conformant	■	■
	Built-in microphone	–	–
	Intelligent Auto Exposure / Intelligent Defog	–/–	–/–
Advanced features	Privacy masking	Eight independent areas, fully programmable	Eight independent areas, fully programmable
	Region Of Interest tracking	–	–
	Tamper detection / Video motion detection	■/■	■/■
Alarm triggering	Built-in video analytics	■	■
	Audio detection	■	■
	Minimum illumination day mode (color)	–	–
Sensitivity	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)	9 mm: 155 m (509ft) / 40 m (131 ft) / 20 m (66 ft)
		19 mm: 380 m (1247 ft) / 95 m (312 ft) / 48 m (157 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	Memory card slot	■ (up to 2TB)	■ (up to 2TB)
	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	–/–/■	–/–/■

IP Video

Moving Cameras

►AUTODOME IP 4000i

►AUTODOME IP 5000i

►AUTODOME IP 5000i IR



Inceiling



Inceiling



■ Available – Not available

Commercial Type Number		NDP-4502-Z12	NDP-4502-Z12C	NDP-5502-Z30	NDP-5502-Z30C	NDP-5502-Z30L
Video analytics at the edge	Essential Video Analytics	■	■	■	■	■
	Intelligent Video Analytics	–	–	–	–	–
Bitrate management	Intelligent Dynamic Noise Reduction	■	■	■	■	■
	Intelligent streaming	■	■	■	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) /multi-streaming	■/■/4 streams	■/■/4 streams	■/■/4 streams	■/■/4 streams	■/■/4 streams
	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 / in-vehicle	■/-/-	■/-/-	■/■/-	■/-/-	■/■/-
	Day / night	■	■	■	■	■
	Wide Dynamic Range (WDR)	94dB	94dB	94dB	94dB	94dB
	ONVIF conformant	■	■	■	■	■
	Built-in microphone	–	–	–	–	–
	Intelligent Auto Exposure / Intelligent Defog	-/■	-/■	-/■	-/■	-/■
Advanced features	Privacy masking	■	■	■	■	■
	Nbr of presets/guard tours	256/2	256/2	256/2	256/2	256/2
	Wiper	–	–	–	–	–
	Tamper detection / Video motion detection	■/■	■/■	■/■	■/■	■/■
Alarm triggering	Built-in video analytics	■	■	■	■	■
	Audio detection	■	■	■	■	■
	PTZ Intelligent Tracking	–	–	–	–	–
	Minimum illumination day mode (color)	0.05 lux	0.05 lux	0.05 lux	0.05 lux	0.05 lux
Sensitivity	Minimum illumination night mode (black/white)	0.01 lux	0.01 lux	0.01 lux	0.01 lux	0 lux (IR on)
	Night vision	–	–	–	–	■ (infrared)
	Max. range at night	–	–	–	–	180m (590 ft)
	Focal length	5.3 - 64 mm	5.3 - 64 mm	4.5 - 135 mm	4.5 - 135 mm	4.5 - 135 mm
Lens	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	69-897/27-356/14-179/7-90	69-897/27-356/14-179/7-90	65-1833/26-727/13-367/7-183	65-1833/26-727/13-367/7-183	65-1833/26-727/13-367/7-183
Storage	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	65-1833/26-727/13-367/7-183	65-1833/26-727/13-367/7-183	65-1833/26-727/13-367/7-183
	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)	■ (up to 2 TB)	■ (up to 2 TB)	■ (up to 2 TB)
Connections	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
	Alarm input / output	2/1	2/1	2/1	2/1	2/1
	Audio in / out	■/■	■/■	■/■	■/■	■/■
Housing	Hybrid / public view monitor	-/-	-/-	-/-	-/-	-/-
	Weather rating	IP65	IP51	IP66	IP51	IP66
	Vandal resistant	IK10	IK6	IK10	IK6	–
Power input voltage	Operating temperature	-10° to 55° C (14° to 131° F)	-10° to 55° C (14° to 131° F)	-40° to 60° C (-40° to 140° F)	-10° to 60° C (14° to 140° F)	-40° to 60° C (-40° to 140° F)
	Power over Ethernet/12V/24V	■ (PoE+)/-/■	■ (PoE+)/-/■	■ (PoE+)/-/■	■ (PoE+)/-/■	■ (PoE+)/-/■

IP Video

Moving Cameras

►AUTODOME IP 7000



►AUTODOME IP 7000 HD



■ Available – Not available

Commercial Type Number		VG5-7028/7036	VG5-7220
Video analytics at the edge	Essential Video Analytics	–	–
	Intelligent Video Analytics	■	■
Bitrate management	Intelligent Dynamic Noise Reduction	–	–
	Intelligent streaming	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams
	Maximum resolution	4CIF	HD 1080p
	Image sensor type	1/4" CCD	1/2.8"
	Max. frames per second (fps)	30 fps@ 576p	60 fps@ 720p 30 fps@ 1080p
	Indoor / outdoor / in-vehicle	■/■/–	■/■/–
	Day / night	■	■
	Wide Dynamic Range (WDR)	92dB	86dB
	ONVIF conformant	■	■
	Built-in microphone	–	–
	Intelligent Auto Exposure / Intelligent Defog	–/–	–/–
Advanced features	Privacy masking	■	■
	Nbr of presets/guard tours	256/2	256/2
	Wiper	–	–
	Intelligent Tracking	■	■
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■
	Built-in video analytics	■	■
	Audio detection	■	■
	PTZ Intelligent Tracking	■	■
Sensitivity	Minimum illumination day mode (color)	0.66 lux (36x) 0.33 lux (28x)	0.06 lux
	Minimum illumination night mode (black/white)	0.104 lux (36x) 0.066 lux (28x)	0.033 lux
	Night vision	–	–
	Max. range at night	–	–
Lens	Focal length	3.4 - 122.4 mm (x36)	4.9 - 94 mm
		3.5 - 98 mm (x28)	
	Horizontal Angle of View (HAoV)	28x : 2.13 to 54.98	3.3 to 59.5
		36x : 1.7 to 56.35	
	PTZ Zoom optical/digital	36x or 28x/12x	20x/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)	27-757/11-301/5-151/3-76 (28x) 26-949/10-377/5-190/3-95 (36x)	75-1517/30-602/15-303/8-152
Storage	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)
	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	IK08 (with rugged bubble)	IK10 (with rugged bubble)
	Operating temperature	-40° to 55° C (-40° F to 131° F)	-40° to 55° C (-40° F to 131° F)
Power input voltage	Power over Ethernet/12V/24V	■ (HiPoE)/–/■	■ (HiPoE)/–/■

IP Video

Moving Cameras

►AUTODOME IP starlight 7000 HD



►AUTODOME IP starlight 7000 HD



■ Available – Not available

Commercial Type Number		VG5-7130	VG5-7230
Video analytics at the edge	Essential Video Analytics	–	–
	Intelligent Video Analytics	■	■
Bitrate management	Intelligent Dynamic Noise Reduction	■	■
	Intelligent streaming	■	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	–/■/4 streams	–/■/4 streams
	Maximum resolution	HD 720p	HD 1080p
	Image sensor type	1/3" CMOS	1/2.8"
	Max. frames per second (fps)	60 fps@ 720p	60 fps@ 720p 30 fps@ 1080p
	Indoor / outdoor / in-vehicle	■/■/–	■/■/–
	Day / night	■	■
	Wide Dynamic Range (WDR)	90dB	120dB
	ONVIF conformant	■	■
	Built-in microphone	–	–
	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■
Advanced features	Privacy masking	■	■
	Nbr of presets/guard tours	256/2	256/2
	Wiper	–	–
	Intelligent Tracking	■	■
Alarm triggering	Tamper detection / Video motion detection	■/■	■/■
	Built-in video analytics	■	■
	Audio detection	■	■
	PTZ Intelligent Tracking	■	■
Sensitivity	Minimum illumination day mode (color)	0.052 lux	0.0077 lux
	Minimum illumination night mode (black/white)	0.0103 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 59°	2.3° to 63.7°
	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)	45-1275/18-506/9-255/5-128	62-1913/25-759/12-383/6-191
Storage	Memory card slot	■ (up to 2 TB)	■ (up to 2 TB)
	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° F to 131° F)	-40° to 55° C (-40° F to 131° F)
Power input voltage	Power over Ethernet/12V/24V	■ (HiPoE)/–/■	■ (HiPoE)/–/■

IP Video

Moving Cameras

►MIC IP starlight 7000 HD



►MIC IP starlight 7000 HD



►MIC IP starlight 7000i



■ Available – Not available

Commercial Type Number		MIC-7130-Px4xx	MIC-7230-x5	MIC7502-Z30x
Video analytics at the edge	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
Basic features	Maximum resolution	HD 720p	HD 1080p	HD 1080p
	Image sensor type	1/3"	1/2.8"	1/2.8"
	Max. frames per second (fps)	60 fps@ 720p	60 fps@ 720p 30 fps@ 1080p	60 fps@ 1080p
	Indoor / outdoor / in-vehicle	–/■/–	–/■/–	–/■/–
	Day / night	■	■	■
	Wide Dynamic Range (WDR)	90dB	120dB	120dB
	ONVIF conformant	■	■	■
	Intelligent Auto Exposure / Intelligent Defog	–/■	–/■	–/■
Advanced features	Privacy masking	■	■	■
	Nbr of presets/guard tours	256/2	256/2	256/2
	Wiper	■	■	■
	Intelligent Tracking	■	■	■
	Tamper detection / Video motion detection	■/■	■/■	■/■
Alarm triggering	Built-in video analytics	■	■	■
	Audio detection	■ (with VJC-7000-90)	■ (with VJC-7000-90)	■ (with VJC-7000-90)
	PTZ Intelligent Tracking	■	■	■
	Minimum illumination day mode (color)	0.052 lux	0.0077 lux	0.0077 lux
Sensitivity	Minimum illumination night mode (black/white)	0.0103 lux	0.0008 lux	0.0008 lux
	Night vision	■ (optional illuminator)	■ (optional illuminator)	■ (optional illuminator)
	Max. range at night	175 m (575 ft)	300 m (984 ft)	450 m (1476 ft)
Lens	Focal length	4.3 - 129 mm	4.3 - 129 mm	4.3 - 129 mm
	Horizontal Angle of View (H AoV)	2.1° to 58.3°	2.3° to 63.7°	2.3° to 63.7°
	PTZ Zoom optical/digital	30x/12x	30x/12x	30x/12x
	Tilt angle	-58° to 90° (upright), -90° to 90° (canted)	-58° to 90° (upright), -90° to 90° (canted)	-58° to 90° (upright), -90° to 90° (canted)
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	45-1396/18-554/9-279/4-139	62-1913/25-759/12-383/6-191	62-1913/25-759/12-383/6-191
Storage	Memory card slot	■ (up to 32 GB) (with VJC-7000-90)	■ (up to 32 GB) (with VJC-7000-90)	■ (up to 32 GB) (with VJC-7000-90)
	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	5/3 (with MIC-ALM-WAS-24)	5/3 (with MIC-ALM-WAS-24)	5/3 (with MIC-ALM-WAS-24)
	Audio in / out	■/– (with VJC-7000-90)	■/– (with VJC-7000-90)	■/– (with VJC-7000-90)
	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 60° C (-40° to 140° F)	-40° to 60° C (-40° to 140° F)	-40° to 65° C (-40° F to 149° F)
Power input voltage	Power over Ethernet/12V/24V	■ (PoE++)/–/■	■ (PoE++)/–/■	■ (PoE++)/–/■

IP Video

Moving Cameras

► MIC 612

► MIC IP fusion 9000i



■ Available – Not available

Commercial Type Number		MIC612 **	MIC-9502-Z30xxx
Video analytics at the edge	Essential Video Analytics	–	–
	Intelligent Video Analytics	■	■ (Thermal and Optical)
Bitrate management	Intelligent Dynamic Noise Reduction	–	■
	Intelligent streaming	–	■
Basic features	Compression (H.265 / H.264 & MJPEG) / multi-streaming	■/4 streams	■/4 streams (optical + thermal)
	Maximum resolution	550 TVL (optical) / 320/640 (thermal)	HD 1080p (optical) / 320/640 pixel (thermal)
	Image sensor type	1/4" CCD/FPA	1/2 8" CMPS (optical) / Un-cooled microbolometer (thermal)
	Max. frames per second (fps)	30 fps@ 576p	60 fps@ 1080p (optical) <9/30 fps w/640 pixel (thermal) <9/60 fps w/320 pixel (thermal)
	Indoor / outdoor / in-vehicle	–/■/–	–/■/–
	Day / night	■ (optical)	■ (optical)
	Wide Dynamic Range (WDR)	–	120dB
	ONVIF conformant	■	■
Advanced features	Intelligent Auto Exposure / Intelligent Defog	–/–	–/■
	Privacy masking	■	■
	Nbr of presets/guard tours	99/2	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)	0.66 lux (optical) N.A. (thermal)	0.0077 lux (optical) N.A. (thermal)
	Minimum illumination night mode (black/white)	0.104 lux (optical) 0 lux (thermal)	0.0008 lux (optical) 0 lux (thermal)
	Night vision	■ (thermal)	■ (thermal)
	Max. range at night	1500 m (4922 ft)	300 m (971 ft) (optical) 1540m (5050 ft) w/320 pixel (thermal) 3550m (11,600 ft) w/640 pixel (thermal)
Lens	Focal length	3.4 - 122.4 mm (optical), 35 mm (thermal T models) 50 mm (thermal H models)	4.3 - 129 mm (optical), 19 mm w/320 pixel (thermal) 50 mm w/640 pixel (thermal)
	Horizontal Angle of View (HAoV)	1.7° to 57.8°	2.3° to 63.7° (optical) 16° w/320 pixel, 12.4° w/640 pixel (thermal)
	PTZ Zoom optical/digital	36x/12x	30x/12x
	Tilt angle	-58° to 90°	-56° tp +90° (upright), -90° to +56° (inverted)
DORI distances	Detect / Observe / Recognize / Identify (Distances according to EN-IEC 62676-4 standard)	26-949/10-377/5-190/3-95 (optical)	62-1913/25-765/12-383/6-191
Storage	Memory card slot	■ (up to 32 GB)	■ (embedded)
	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	8/2 (optional card)	5/3 (with MIC-ALM-WAS-24)
	Audio in / out	■/■	■/■
Housing	Hybrid / public view monitor	■/–	–
	Weather rating	IP68	IP68
	Vandal resistant	IK10	IK10
	Operating temperature	-40° to 60° C (-40° F to 140° F)	-40° to 65° C (-40° F to 149° F)
Power input voltage	Power over Ethernet/12V/24V	Note: External MIC power supply models accept 230VAC, 120VAC, or 24VAC	
			■ (HiPoE)/–/■

** IP features are possible when using optional MIC-IP-PSU Power Supply

IP Video

Digital Recording

All-in-one solution

►DIVAR IP 3000

►DIVAR IP 7000 2U

►DIVAR IP 7000 3U



■ Available – Not available

Commercial Type Number		DIP-304x-xxx	DIP-718x-xxx	DIP-71Fx-xxx
Basic functions	Max. system size (channels)	32	128 (standard 32)	128 (standard 32)
	Integrated video management	■	■	■
	RAID Level	–	RAID-5, RAID-6	RAID-5, RAID-6
	Supported resolutions	CIF/2CIF/4CIF/720p/1080p/5MP	CIF/2CIF/4CIF/720p/1080p/5MP/UHD	CIF/2CIF/4CIF/720p/1080p/5MP/UHD
	Video compression	H.264, MPEG-4, ONVIF, RTSP, JPEG	H.264, MPEG-4, ONVIF, RTSP, JPEG	H.264, MPEG-4, ONVIF, RTSP, JPEG
	Transcoding	■	■	■
	ONVIF	■	■	■
Mechanical	Form factor	4-bay Mini-Tower	2U 19-inch Rack Mount	3U 19-inch Rack Mount
	Network connections (LAN)	1x Gigabit Ethernet	2x Gigabit Ethernet, 1x 100Mbit (Mgmt)	2x Gigabit Ethernet, 1x 100Mbit (Mgmt)
	USB ports	4x USB 2.0/1x USB 3.0	4x USB 2.0, 2x USB 3.0	4x USB 2.0, 2x USB 3.0
	Number of power supplies	1	2	2
	Power supplies hot swappable	–	■	■
Video output	Connector type	1 DVI, 1 VGA	4x mini-DP	4x mini-DP
	Monitor output	2	4x via local mini-DP	4x via local mini-DP
Audio	In/out channels	32 (audio playback via remote station only)	128	128
	Compression type	G.726	G.726	G.726
	Synchronous audio	■	■	■
	Associate multiple cameras to 1 Audio	■	■	■
Recording	Video Recording Manager (VRM)	■	■	■
	Schedule recording modes	■	■	■
Storage options	Max. drives supported	4	8	16
	Available capacities per drive	2, 3, 4 or 6 TB	3, 4, 6 or 8 TB	3, 4, 6 or 8 TB
	Base system capacity TB	0, 4, 8, 16 or 24 TB	0, 12, 16, 24, 32, 48 or 64 TB	0, 48, 64, 96 or 128 TB
	Max. Base system capacity TB	24 TB	64 TB	128 TB
	Full system capacity TB	24 TB	576 TB	640 TB
	Extensible/external support	iSCSI	iSCSI	iSCSI
Storage extensions	Max. number of units	2x DIVAR IP 2000 or DIVAR IP 5000	4x DIVAR IP 6000	4x DIVAR IP 6000
	Maximum drives supported	4	4, 6 or 8	16
	Available capacities per drive	2, 3, 4 or 6 TB	3, 4, 6 or 8 TB	3, 4, 6 or 8 TB
	Hot swappable	–	■	■
Export/back-up of data	Data format	native, MOV, ASF	native, MOV, ASF	native, MOV, ASF
	Built-in DVD writer	–	■	■
	Supported devices	External CD/DVD Writer, USB 2.0, USB 3.0, iSCSI	USB 2.0, USB 3.0, iSCSI, internal CD/DVD Writer	USB 2.0, USB 3.0, iSCSI, internal CD/DVD Writer
	Back-up mode	Manual or Automatic	Manual or Automatic	Manual or Automatic

Table continued on the next page

IP Video

Digital Recording

All-in-one solution

►DIVAR IP 3000

►DIVAR IP 7000 2U

►DIVAR IP 7000 3U



■ Available – Not available

Commercial Type Number		DIP-304x-xxx	DIP-718x-xxx	DIP-71Fx-xxx
Redundancy	Power supply redundancy	–	■	■
	Hot swappable HDD	–	■	■
Software options	PTZ control	■	■	■
	CCTV keyboard support	■	■	■
	Admin control	■	■	■
	Export options	■	■	■
	Mobile device (smart phone/tablet)	■ Video security app	■ Video security app	■ Video security app
Remote access	Network	10/100/1000 Ethernet	10/100/1000 Ethernet	10/100/1000 Ethernet
	Web browser access	■	■	■
	Simultaneous accessible users	–	4	4
	Forensic search support (metadata)	■	■	■
Advanced features support	Webclient	■	■	■
	Bosch Video Client	■ (v1.5 or newer)	■ (v1.5 or newer)	■ (v1.5 or newer)
Supported software	Bosch Video Management System	■ (v4.50 or newer)	■ (v6.0 or newer)	■ (v6.0 or newer)
	3rd Party software	–	–	–
3rd party integration tools	Optional ATM/POS integration	■	■	■
	SDK (IPP*)	■	■	■

* Integration Partner Program (IPP) for more information visit <http://ipp.boschsecurity.com>

IP Video

Digital Storage

■ Available – Not available

Network Video Recorder

►DIVAR IP 5000



►DIVAR IP 6000 2U



►DIVAR IP 6000 3U



►DSA E-Series



Commercial Type Number		DIP-504xxx-xxx	DIP-618x-xxx	DIP-61Fx-xxx	DSA-Nxxxxx-xxxx
Basic functions	Max. system size (channels)	32	128 (standard 64)	128 standard (64)	600
	Integrated video management	–	–	–	–
	RAID Level	JBOD, RAID-1	RAID-5, RAID-6	RAID-5, RAID-6	RAID-5/RAID-6
	Supported resolutions	CIF/2CIF/4CIF/720p/1080p/5MP	CIF/2CIF/4CIF/720p/1080p/5MP/UHD	CIF/2CIF/4CIF/720p/1080p/5MP/UHD	CIF/2CIF/4CIF/720p/1080p/5MP
	Video compression	H.264, MPEG-4, ONVIF, RTSP, JPEG	H.264, MPEG-4, ONVIF, RTSP, JPEG	H.264, MPEG-4, ONVIF, RTSP, JPEG	H.264, MPEG-4, ONVIF, RTSP, JPEG
	Transcoding	■	■	■	–
	ONVIF	■	■	■	■
Mechanical	Form factor	4-bay Mini-Tower	2U 19-inch Rack Mount	3U 19-inch Rack Mount	2U 19-inch Rack Mount
	Network connections (LAN)	2x Gigabit Ethernet	2x Gigabit Ethernet, 1x 100Mbit (Mgmt)	2x Gigabit Ethernet, 1x 100Mbit (Mgmt)	2x Gigabit Ethernet/ 2x 10 Gigabit Ethernet
	USB ports	4x USB 3.0	4x USB 2.0, 2x USB 3.0	4x USB 2.0, 2x USB 3.0	–
	Number of power supplies	1	2	2	2
	Power supplies hot swappable	–	■	■	■
Video output	Connector type	–	VGA	VGA	–
	Monitor output	–	1 (service only)	1 (service only)	–
Audio	In/out channels	32 (audio playback via remote station only)	128 (audio playback via remote station only)	128 (audio playback via remote station only)	800 (audio playback via remote station only)
	Compression type	G.726	G.726	G.726	G.726
	Synchronous audio	■	■	■	■
	Associate multiple cameras to 1 Audio	■	■	■	■
Recording	Video Recording Manager (VRM)	■	■ (VRM ready)	■ (VRM ready)	–
	Schedule recording modes	■	■	■	■
Storage options	Max. drives supported	4	8	16	12
	Available capacities per drive	2, 4 or 6 TB	3, 4, 6 or 8 TB	3, 4, 6 or 8 TB	4, 6 or 8 TB
	Base system capacity TB	0, 4, 8, 16 or 24 TB	0, 12, 16, 24, 32, 48 or 64 TB	0, 48, 64, 96 or 128 TB	–
	Max. Base system capacity TB	24 TB	64 TB	128 TB	48/72/96 TB
	Full system capacity TB	24 TB	576 TB	640 TB	384/768/1162 TB **
	Extenable/external support	iSCSI	iSCSI	iSCSI	6Gb/s SAS (Copper)
	Storage extensions	–	4x DIVAR IP 6000	4x DIVAR IP 6000	7/3 **
Export/back-up of data	Max. number of units	–	4, 6 or 8	16	12/60 **
	Maximum drives supported	–	3, 4, 6 or 8 TB	3, 4, 6 or 8 TB	4, 6 or 8 TB **
	Available capacities per drive	–	■	■	■
	Hot swappable	–	■	■	■
	Data format	MP4	WMF, Bosch ASF	WMF, Bosch ASF	WMF, Bosch ASF
	Built-in DVD writer	–	■	■	–
	Supported devices	Web download, FTP, Dropbox	USB 2.0, USB 3.0, iSCSI	USB 2.0, USB 3.0, iSCSI	External CD/DVD Writer, USB 2.0, iSCSI
Redundancy	Back-up mode	manual	manual	manual	manual or automatic
	Power supply redundancy	–	■	■	■
	Hot swappable HDD	–	■	■	■

Table continued on the next page

IP Video

Digital Storage

Network Video Recorder

►DIVAR IP 5000



►DIVAR IP 6000 2U



►DIVAR IP 6000 3U



►DSA E-Series



■ Available – Not available

Commercial Type Number		DIP-504x-xxx	DIP-618x-xxx	DIP-61Fx-xxx	DSA-Nxxxxx-xxxx
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	–
	Network	10/100/1000 Ethernet	10/100/1000 Ethernet	10/100/1000 Ethernet	2x 10 Gigabit Ethernet
	Web browser access	■	■	■	–
	Simultaneous accessible users	5	5	5	–
Advanced features support	Forensic search support (metadata)	■	■	■	–
	Webclient	■	–	–	SANtricity
Supported software	Bosch Video Client	■	■	■	–
	Bosch Video Management System	■ (v2.20 or newer)	■ (v6.0 or newer)	■ (v6.0 or newer)	–
	3rd Party software	via RTSP	–	–	–
3rd party integration tools	Optional ATM/POS integration	–	–	–	–
	SDK (IPP***)	■	–	–	–

○ * Via Bosch video software

** Up to three high-density shelf expansion units (60 x 8 TB HDD per expansion shelf) to one Dual controller base unit may be connected - CTN:DSA-N2C7X6-12AT

*** Integration Partner Program (IPP) for more information visit <http://ipp.boschsecurity.com>

IP Video

Digital Storage

Network Video Recorder

►DIVAR network 2000

►DIVAR network 3000

►DIVAR network 5000



■ Available – Not available

Commercial Type Number		DDN-2516-xxxxxx	DDN-3532-xxxxxx	DRN-5532-xxxxxx
Basic functions	Max. system size	16	32	32
	Alarm Inputs/Outputs	4 / 2	4 / 2	16 / 6
	RAID Level	–	–	RAID-1, RAID-5
	Supported resolutions	up to 8MP	up to 12MP	up to 12MP
	Video compression	H.264, H.265, MPEG-4	H.264, H.265, MPEG-4	H.264, H.265, MPEG-4
	Transcoding	–	–	–
	ONVIF	■	■	■
Mechanical	Form factor	1U high Desktop	1U high Desktop	1.5U high Rack Mount
	Network connections (LAN)	2x Gigabit Ethernet	2x Gigabit Ethernet	2x Gigabit Ethernet
	Build-in PoE+	0, 8 or 16 PoE+	0 or 16 PoE+	0 or 16 PoE+
	USB ports	1x USB 2.0, 1xUSB 3.0	1x USB 2.0, 1xUSB 3.0	1x USB 2.0, 2xUSB 3.0
Video output	Connector type	VGA, HDMI	VGA, HDMI	VGA, HDMI
	Spotmonitor	–	–	■ (HDMI)
Audio	In/out channels	16 in / 1 out	32 in / 1 out	32 in / 1 out
	Compression type	G.726	G.726	G.726
	Synchronous audio	■	■	■
	Associate multiple cameras to 1 Audio	–	–	–
Storage options	Max. drives supported	2	2	4
	Available capacities per drive	1, 2, 3, 4 or 6TB	1, 2, 3, 4 or 6TB	1, 2, 3, 4 or 6TB
	Base system capacity TB	0, 2 TB	0, 2 TB	0, 4 TB
	Max. Base system capacity TB	12 TB	12 TB	24 TB
	Full system capacity TB	12 TB	12 TB	24 TB
	Extensible/external support	–	–	eSATA
Storage extensions	Max. number of units	–	–	1
	Maximum drives supported	–	–	1
	Available capacities per drive	1, 2, 3, 4 or 6TB	1, 2, 3, 4 or 6TB	1, 2, 3, 4 or 6TB
	Hot swappable	–	–	–
Export/back-up of data	Data format	native, ASF	native, ASF	native, ASF
	Built-in DVD writer	■ (optional)	■ (optional)	■ (optional)
	Supported devices	USB 2.0, USB 3.0, internal DVD Writer	USB 2.0, USB 3.0, internal DVD Writer	USB 2.0, USB 3.0, eSata, internal DVD Writer
	Back-up mode	manual or automatic	manual or automatic	manual or automatic
Redundancy	Power supply redundancy	–	–	–
	Hot swappable HDD	–	–	–
Software options	PTZ control	■	■	■
	CCTV keyboard support	–	–	■
	Admin control	■	■	■
	Export options	■	■	■

Table continued on the next page

IP Video

Digital Storage

Network Video Recorder

►DIVAR network 2000

►DIVAR network 3000

►DIVAR network 5000



■ Available – Not available

Commercial Type Number		DDN-2516-xxxxxx	DDN-3532-xxxxxx	DRN-5532-xxxxxx
Remote access	Mobile device (smart phone)	■ Mobile Viewer app	■ Mobile Viewer app	■ Mobile Viewer app
	Network	10/100/1000 Ethernet	10/100/1000 Ethernet	10/100/1000 Ethernet
	Web browser access	■	■	■
	Simultaneous accessible users	128 (4 advised)	128 (4 advised)	128 (4 advised)
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*)	–	–	–
	Bosch Video Management System	■	■	■
	3rd Party software	–	–	–

* Integration Partner Program (IPP) for more information visit <http://ipp.boschsecurity.com>

IP Video

Digital Storage

Hybrid Network Video Recorder

►DIVAR hybrid 3000

►DIVAR hybrid 5000



■ Available – Not available

Commercial Type Number		DDH-3532-xxxx00	DRH-5532-xxxxxx
Basic functions	Max. system size	16 analog + 16IP or 32IP	16 analog + 16IP or 32IP
	Looping AN Video	–	■
	Alarm Inputs/Outputs	16 / 3	16 / 6
	RAID Level	–	RAID-1, RAID-5
	Supported resolutions IP cameras	up to 12MP	up to 12MP
	Supported resolutions AN cameras	up to 960H	up to 960H
	Video compression	H.264, H.265, MPEG-4	H.264, H.265, MPEG-4
	Transcoding	–	–
	ONVIF	■	■
Mechanical	Form factor	1U high Desktop	1.5U high Rack Mount
	Network connections (LAN)	2x Gigabit Ethernet	2x Gigabit Ethernet
	Build-in PoE+	–	–
	USB ports	1x USB 2.0, 2xUSB 3.0	1x USB 2.0, 2xUSB 3.0
Video output	Connector type	VGA, HDMI	VGA, HDMI
	Spotmonitor	■ (HDMI)	■ (HDMI)

Table continued on the next page

IP Video

Digital Storage

Hybrid Network Video Recorder

►DIVAR hybrid 3000

►DIVAR hybrid 5000



■ Available – Not available

Commercial Type Number		DDH-3532-xxxx00	DRH-5532-xxxxxx
Audio	In/out channels IP cameras	32 in	32 in
	Compression type IP camera	G.726	G.726
	In/out channels recorder	4 in / 1 out	4 in / 1 out
	Compression type recorder	G711a	G711a
	Synchronous audio	■	■
	Associate multiple cameras to 1 Audio	–	–
Storage options	Max. drives supported	2	4
	Available capacities per drive	1, 2, 3, 4 or 6TB	1, 2, 3, 4 or 6TB
	Base system capacity TB	0, 2 TB	0, 4 TB
	Max. Base system capacity TB	12 TB	24 TB
	Full system capacity TB	12 TB	24 TB
	Extenable/external support	–	eSATA
Storage extensions	Max. number of units	–	1
	Maximum drives supported	–	1
	Available capacities per drive	1, 2, 3, 4 or 6TB	1, 2, 3, 4 or 6TB
	Hot swappable	–	–
Export/back-up of data	Data format	native, ASF	native, ASF
	Built-in DVD writer	■ (optional)	■ (optional)
	Supported devices	USB 2.0, USB 3.0, internal DVD Writer	USB 2.0, USB 3.0, eSata, internal DVD Writer
	Back-up mode	manual or automatic	manual or automatic
Redundancy	Power suply redundancy	–	–
	Hot swappable HDD	–	–
Software options	PTZ control	■	■
	CCTV keyboard support	–	–
	Admin control	■	■
	Export options	■	■
Remote access	Mobile device (smart phone)	■ Mobile Viewer app	■ Mobile Viewer app
	Network	10/100/1000 Ethernet	10/100/1000 Ethernet
	Web browser access	■	■
	Simultaneous accessible users	128 (4 advised)	128 (4 advised)
Advanced features support	Forensic search support (metadata)	–	–
	Webclient	■	■
Supported software	Bosch Video Client	■	■
	Bosch Video Management Systems	■	■
	3rd Party software	–	–
3rd party integration tools	SDK (IPP*)	–	–

* Integration Partner Program (IPP) for more information visit <http://ipp.boschsecurity.com>

IP Video

Video Software

►Video Management System



■ Available – Not available

Name		BVMS Viewer	BVMS Professional	BVMS Enterprise
System features	Included cameras (max cameras)	16 (500)	8 (2000)	200.000
	Maximum number of clients	1	100	100
	Maximum number of Bosch Video Management System (VMS) servers	1	1	10/30
	Maximum number of Bosch Video Recording Manager (VRM) servers	32**	125	1.250
	Maximum storage capacity	n.a.	125 x 2PB	1.250 x 2PB
	Forensic search	■	■	■
	DVR support	■	■	■
	Events and alarms	–	■	■
	Streamlining	–	■	■
	Remote access	–	■	■
	Dynamic transcoding	■	■*	■*
	Web client	–	■	n.a.
	Bosch Mobile Video Client App support	–	■	n.a.
	Keyboard support	–	■	■
	Maps	–	■	■
	Audio support	–	■	■
	Bosch VMS Config Wizard	–	■	n.a.
	Live & Playback sites	■**	9.999	9.999
Supported camera devices	Bosch panoramic cameras	■	■	■
	Bosch UHD cameras	■	■	■
	Bosch HD cameras	■	■	■
	Bosch SD / VGA cameras	■	■	■
	Third party ONVIF Profile S 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 Video Recording Manager (VRM)	–	■	■
	Dual Recording	–	■	■
Alarm management	Logbook	–	■	■
	Events and alarms	–	■	■
	Email notification	–	■	■
	SMS 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	–	20	200
	I/O module support	–	■	■
	Active directory connectivity	■	■	■
	ATM-POS support	–	■	■
	Additional data	–	■	■
	Software Development Kit (SDK)	–	■	■

* additional hardware required

** limited

IP Video Viewing Software

►Video Security App

►Video Security Client

►Advanced Viewing Client



■ Available – Not available

Name		Video Security App	Video Security Client	Bosch Video Client (BVC)
Key technologies supported	No. of channels	16	Up to 16	32 per site
	Usage situation	Mobile	PC and Mobile	PC
	Workstation OS support	iOS, Android	Win7, Win8.1, Win10	Win7, Win8.1, Win10
	Software based Video IP Platform	■	■	■
	Multi-site Support (independent systems tied together)	–	–	–
	Multi-site Support (dispersed system recording, cameras, remote independent client)	–	–	–
	Dynamic Transcoding	■	■	■
	Video analytics	■	■	■
	Client side dewarping (panoramic)	■	■	■
	4K ultra HD starlight	■	■	■
Encoding	H.264	■	■	■
	MPEG-4	■	■	■
	3rd party camera support	■ (with VSG)	■ (with VSG)	ONVIF 1.02/Profile-S with DIVAR IP
Viewing	Multi-monitor support	–	–	■ (2)
	16:9 monitor support	n/a	■	■
	Viewing frequency	–	–	–
	Dynamic cameo scaling	■	■	■
Alarm Management	User management	–	–	–
	Digital I/O alarms	–	–	■
	System event alarms	–	–	■
	Motion alarms	–	–	■
	Event response and command scripts	–	–	–
	Video analytics alarms	–	–	■
	Video analytics forensic search	■ (Simple search)	■ (Simple search)	■
	Audio	–	–	■
	Compound events	–	–	–
	Scheduled dependent alarming	–	–	–
	Event allocation to user groups	–	–	–
	AUTODOME Intelligent Tracking	■	■	■
Control	PTZ	■	■	■
	IntuiKey	–	–	■ (limited functionality)
	Virtual matrix	–	–	–
	@edge camera support	■	■	■
Storage	iSCSI	■	■	■
	NVR support	–	–	–
	VRM	■	■	■ (via DIVAR IP)
	Video analytics metadata	■	■	■
	Support redundant storage	–	–	–
	DLA Support (VRM Mode)	■	■	■ (1)
Integration	BRS	–	–	–
	DxR 400/600/700	–	–	■
	Virtual inputs	–	–	■

IP Video

Encoders and Decoders

Encoders			Decoders	
►VIP X1XF E	►VIP X1XF	►VIDEOJET multi 4000	►VIDEOJET decoder 3000	►VIDEOJET decoder 8000



Available – Not available

Commercial Type Number	VIP-X1XF-E	VIP-X1XF	VJM-4016	VJD-3000	VJD-8000
Description	Single Channel Video Encoder	Single Channel Premium Encoder	16 Channel H.264 Video Encoder	Single/Quad-stream Decoder	4K UHD and MP Video Decoder
Video/Audio	Camera Inputs	1	16	–	–
	Monitor Outputs	–	–	1 of 2 (HDMI, CVBS)	2 (mini DP)
	Video Codec	H.264	H.264 High Profile	H.264 M-JPEG, JPEG	H.264, MPEG-4
	Max. frames per second (fps)	25/30@4CIF	25/30@4CIF	30@1080p (single view) 60@720p (single view) 4x 25/30@4CIF (quad view)	2x 20@12MP 2x 30@4K 4x 60@1080p 6x 30@1080p 8x 60@720p
Storage	Audio in / out	1/1	2/1	1/1	0/1 (via DP)
	Transcoding at the edge	–	–	–	–
	Type	SD Card	SD Card	–	–
Intelligence	Capacity	2 TB	2 TB	–	–
	Direct-to-iSCSI	■	■	–	–
Interfaces	Video Analytics	Motion+	IVA	–	–
	Alarm In	1	4	4	–
	Relay Out	1	1	1	–
Other	ONVIF conformant	■	■	–	–
	Keyboard	–	–	■	–
	IP Matrix	–	–	■	–

►Modular Systems



■ Available – Not available

Commercial Type Number	VIP X1600-B	VIP X1600-XFB
Description	Base System	Base System
Bays	4	4
Ethernet	Two 1 Gbps ports (1 front, 1 rear)	Three 1 Gbps ports (2 front, 1 rear)
SFP Fiber Slot	–	■



■ Available – Not available

Commercial Type Number	VIP X1600 XFM4A	VIP X1600 XFM4B
Description	4 Channel H.264 Encoder Module	4 Channel H.264 Encoder Module with Bilinix
Video/Audio	Camera Inputs	4
	Video Codec	H.264 MP H.264 BP+ M-JPEG
	Max. frames per second (fps)	25/30@4CIF
	Audio in / out	2/1
Intelligence	Direct-to-iSCSI	■
	Video Analytics	IVA
Interfaces	Alarm In	4
	Relay Out	1
	SFP Fiber Slot	■
	ONVIF conformant	■

IP Video
Transcoders

Transcoder/network & alarm interface device
►VIDEOJET connect 7000



■ Available – Not available

Commercial Type Number		VJC-7000-90
	Description	5 Channel network switch/Single-stream Transcoder
Video/Audio	Camera Inputs	4
	Video Codec	H.264 High Profile
	Max. frames per second (fps)	25/30@4CIF
	Audio in / out	1/–
	Transcoding at the edge	■
Storage	Type	CF
	Capacity	2 TB
Intelligence	Direct-to-iSCSI	–
	Video Analytics	–
Interfaces	Alarm In	4 dry contacts, 2 monitored tamper alarm (With MIC IP 7000)
	Alarm Out	3
	Relay Out	1 (for washer pump) (with MIC IP 7000)
	Network (PoE)	1x 10/100/1000Base-TX
	Network UTP	2x 10/100/1000Base-TX
	Network fiber	2 SFP Sockets (1000Base-FX)
	Network daisy chain	■ (up to 50)
Other	Output power	95W HiPoe
	Washer pump control	■ (relay)
	Support for daisy-chaining of multiple cameras	■

IP Video

Flat Panel Monitors

►High Definition



■ Available – Not available

Commercial Type Number		UML-193-90	UML-223-90	UML-273-90	UML-323-90	UML-423-90	UML-553-90
Display	Type	19" LED	22" LED	27" LED	32" LED	42" LED	55" LED
	Max Pixel Resolution	1366 x 768	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Horizontal Resolution	650 TVL	650 TVL	650 TVL	650 TVL	650 TVL	650 TVL
	Aspect Ratio	16:9	16:9	16:9	16:9	16:9	16:9
	Brightness (cd/m ²)	250	250	300	350	500	450
	Contrast Ratio	1000:1	1000:1	3000:1	3000:1	4000:1	4000:1
	Backlight	30,000 hours	30,000 hours	30,000 hours	50,000 hours	50,000 hours	50,000 hours
	Viewing Angle (HxV)	170° x 160°	170° x 160°	178° x 178°	178° x 178°	178° x 178°	178° x 178°
Composite Video/Audio Loop-through		passive	passive	passive	passive	passive	passive
PC Compatible		■	■	■	■	■	■
Connectors	Composite Video (BNC)	–	–	2 (looping video)	2 (looping video)	2 (looping video)	2 (looping video)
	VGA	■	■	■	■	■	■
	DVI-D	■	■	■	■	■	■
	HDMI	■	■	■	■	■	■
Audio	Input	■	■	■	■	■	■
	Speaker	■	■	■	■	■	■
Mechanical	Width	448 mm	515 mm	642 mm	745 mm	977 mm	1256 mm
	Height	332 mm*	370 mm*	380 mm	440 mm	570 mm	727 mm
	Depth	182 mm*	182 mm*	76 mm	77 mm	83 mm	83 mm
	Weight	3.0 kg	3.6 kg	9.1 kg	12.5 kg	20 kg	32 kg
Power	Power Supply	integrated	integrated	included	integrated	integrated	integrated
	Power Consumption	42W	42W	75W	75W	150W	170W
Misc.	Picture-in-picture	–	–	–	–	–	–
	Front Panel Lockout	■	■	■	■	■	■
	IR Remote	–	–	–	■	■	■
Cables Included	VGA-to-VGA	■	■	■	■	■	■
	DVI-to-DVI	■	■	■	■	■	■
Mounting	VESA Compliant	■	■	■	■	■	■
	Rack-mountable	–	–	–	–	–	–
	Fixed desktop stand	–	–	included	UMM-LED32-SD	UMM-LED42-SD	UMM-LED42-SD
	Adjustable desktop stand	■	■	–	–	–	–
	Fixed Wall Mount	–	–	–	–	ST650	ST650
	Swivel/Tilt Wall Mount	–	–	UMM-WMT-32	UMM-WMT-32	–	–

A Tradition of Quality and Innovation

For over 125 years, the Bosch name stands for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.

Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

Bosch Security Systems

To learn more about Video Systems please visit www.boschsecurity.com/hdsecurity

© Bosch Security Systems, 2017
Modifications reserved
VS-EH-en-55_F01U560825_23

-  www.facebook.com/BoschSecurity
-  www.twitter.com/BoschSecurityEU
-  www.youtube.com/BoschSecurity



BOSCH
Invented for life