



PRODUCT QUICK GUIDE

www.inaxsys.com • tel: 514.667.0755 • fax: 514.667.0745 • info@inaxsys.com



4K-IP-HDCVI

ABOUT INAXSYS

Inaxsys is a manufacturer specializing in innovative video surveillance technology and solutions comprising of megapixel IP and HDCVI cameras, servers and storage, video management software (VMS) and related network transport systems such as PoE switches, media converters and encoders.

The modern physical security landscape is converging and has become network centric and IP focused to take full advantage of efficiencies that can be used to drive business excellence and safeguard information and assets. This shift in approach has shaped Inaxsys' priority of offering open architecture solutions that take full advantage of investments in information transport systems (ITS) for vertical markets such as education, healthcare, government, financial, commercial and industrial.

Inaxsys is headquartered in Montreal, Canada with distribution in the Americas and Europe. For more information about Inaxsys please visit our website at www.inaxsys.com.



8272 Pascal-Gagnon
Montreal, Quebec
H1P 1Y4

www.inaxsys.com | 888-648-6648

For general inquiries:

sales@inaxsys.com | orders@inaxsys.com | support@inaxsys.com

STORM VMS

Storm VMS is used to manage and program multiple Storm IP and HDCVI video recorders and acts as a central management system.

- Visualize real-time video from multiple camera channels.
- Allows playback of video files from multiple cameras.
- Supports Mapping for device location and ease of operation.
- Allows creation of a video wall for custom operator views.

STORM CLOUD APP

Allows you to view your security cameras anywhere in the world. This app uses STORM CLOUD Service from the NVR and DVR, which allows you to connect your system instantly with 3 easy steps. Simply download the app, scan the QR code on the NVR or DVR system and enter your password to start viewing live video from all your installed cameras.

The app allows you to:

- View Live video from multiple cameras on multiple servers
- Playback video saved to the device's local storage
- Record video or snapshots directly to your mobile device
- Remotely control compatible PTZ cameras
- Configure motion triggered push notifications



STORM PRODUCT LINE

4K

CLEARVIEW IP CAMERAS AND NVR'S



IP

TRUEVALUE & PROFESSIONAL SERIES IP CAMERAS AND NVR'S



HDCVI

HIGH-DEFINITION ANALOG HDCVI CAMERAS AND DVR'S



Model		INSBO4KIRF	INSDO4KIRF
Image Sensor		1/2.3" 4K progressive scan CMOS	1/2.3" 4K progressive scan CMOS
Effective Pixels		3840 (H) x 2160(V)	3840 (H) x 2160(V)
Minimum Illumination		0.1 Lux/F1.6(Color); 0 Lux/F1.6 (IR on)	0.1 Lux/F1.6 (Color), 0 Lux/F1.8 (IR on)
Maximum Length of IR LEDs		30m	20m
Day/Night		Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W
Backlight Compensation		BLC / HLC / DWDR	BLC / HLC / DWDR
Privacy Masking		Up to 4 areas	Up to 4 areas
Focal Length / Max. Aperture		4mm / F1.6	4mm / F1.6
Focus Control		Manual	Manual
Compression		H.264 / MJPEG	H.264 / MJPEG
Frame Rate	Main Stream	4K (1 ~ 15fps) / 3MP / 1080P / 720 P (1 ~ 25/30fps)	4K (1~15fps) / 3MP / 1080P / (1 ~ 25/30fps)
	Sub Stream	D1/CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)
Bit Rate		H.264: 20K ~ 16 Mbps	H.264: 20K ~ 16Mbps
Power Supply		DC12V, PoE (80 2.3af)	DC12V, PoE (802.3af)
Power Consumption		Less than 7.5W	Less than 7W
Working Environment		-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH
Vandal Resistance		-	1K10
Dimensions		178.4mm x 70mm x 6 9.9mm	110mm x 81mm

* STORM 4K series IP cameras are supported by STORM 4K recording servers.



Model		INSDO5HEM	INSDO6IRHEM	INSDO12IRHEM
Image Sensor		1/3" 5 MP progressive scan CMOS	1/1.8" 6 MP progressive scan CMOS	1/2.3" 12 MP progressive scan CMOS
Effective Pixels		2592(H) x 1944(V)	3072 (H) x 2048 (V)	4000 (H) x 3000 (V)
Minimum Illumination		0.01 Lux/F2.6 (color); 0.001Lux/F2.6 (B/W)	0.01 Lux/F2.0 (Color) ; 0 Lux/F2.0 (IR on)	0.01 Lux/F2.2 (Color) ; 0 Lux/F2.2 (IR on)
Maximum Length of IR LEDs		N/A	10m	10m
Day/Night		Auto(Electronic)/Color/B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W
Backlight Compensation		BLC / HLC / DWDR	BLC / HLC / DWDR	BLC / HLC / DWDR
Privacy Masking		Up to 4 areas	Up to 4 areas	Up to 4 areas
Focal Length / Max. Aperture		1.42mm / F2.6	1.55mm / F2.0	1.57mm / F2.2
Focus Control		Manual	Manual	Manual
Lens Type / Mount Type		Fixed Lens / Board-in Type	Manual	Manual
Frame Rate	Main Stream	5M(1~12fps)/ UXGA (1 ~ 25/30fps)	6MP / (1 ~ 25/30fps)	12MP (1 ~ 15fps) / 3MP (1 ~ 25/30 fps)
	Sub Stream	D1/CIF(1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)
De-warp Mode			Original, Panoramic, Double panoramic, 1+3, Eptz, 4 pictures	Original, Panoramic, Double panoramic, 1+3, Eptz, 4 pictures
Smart detection		Heatmap	Tripwire, Intrusion, Heatmap	Tripwire, Intrusion, Heatmap
Audio in/out		1/1 channel in/out (Built in Mic)	1/1 channel in/out (Built in Mic)	1/1 channel in/out (Built in Mic)
Memory Slot		Micro SD, Maximum 64GB	Micro SD maximum 64GB	Micro SD maximum 64GB
Alarm		1/1 channel in/out	2/1 channel in/out	2/1 channel in/out
Power Supply / Consumption		DC12V, PoE; Max 6W	DC12V, PoE (80 2.3at); Less than 11W	DC12V, PoE (80 2.3af); Less than 13W
Working Environment		-30°C to + 60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH
Ingress Protection		IK10 Vandal Resistance	IP67; IK10 Vandal Resistance	IP67; IK10 Vandal Resistance
Dimensions		110mm x 54mm	150mm x 50.7mm	150mm x 50.7mm

* STORM Hemispheric IP cameras are supported by STORM 4K recording servers. Verify with Inaxsys for maximum number of Hemispheric cameras supported per server.



Model	INS84K (2T to 12T)	INS164K (2T to 12T)	INS324K (4T to 48T)	INS644K (12T to 48T)
IP Camera Inputs	8 channels	16 channels	32 channels	64 channels
Two-way Voice	1 channel Input, 1 channel Output, RCA	1 channel Input, 1 channel Output, RCA	1 channel Input, 1 channel Output, RCA	1 channel Input, 1 channel Output, RCA
Interface	1 HDMI, 1 VGA	2 HDMI, 1 VGA	2 HDMI (up to 3840 × 2160), 1 VGA	2 HDMI (up to 3840 × 2160), 1 VGA
Resolution	3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768	3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768	3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768	3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768
Display	1 / 4 / 8 / 9	1 / 4 / 8 / 9	The 1st screen: 1 / 4 / 8 / 9 / 16 / 25 / 36; the 2nd screen: 1 / 4 / 8 / 9 / 16	The 1st screen: 1 / 4 / 8 / 9 / 16 / 25 / 36; the 2nd screen: 1 / 4 / 8 / 9 / 16
Recording Mode	Manual, Schedule (Regular (Continuous), MD, Alarm), Stop	Manual, Schedule (Regular (Continuous), MD, Alarm), Stop	Manual, Schedule (Regular (Continuous), MD (Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop	Manual, Schedule (Regular (Continuous), MD (Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Ob- scurred	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Ob- scurred	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Ob- scurred	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Ob- scurred
Alarm Inputs	8 channels	16 channels	16 channels	16 channels
Audio in/out	1 / 1, 2-way	1 / 1, 2-way	1 / 1, 2-way	1 / 1, 2-way
Relay Outputs	3 channels	6 channels	8ch, Relay contact (1A at 24VDC), NO/ NC programmable, green terminal interface	8ch, Relay contact (1A at 24VDC), NO/ NC programmable, green terminal interface
Ethernet Ports	8 ports (IEEE802.3at/af) POE. 1 Ethernet 1000 Mbps port	16 ports (IEEE802.3at/af) POE. 1 Ethernet 1000 Mbps port	2 Ethernet ports jointly working or 2 independent 1000 Mbps Ethernet ports	2 Ethernet ports jointly working or 2 independent 1000 Mbps Ethernet ports
Internal HDD	2 SATA 3 ports, up to 12TB	2 SATA 3 ports, up to 12TB	8 SATA 3 ports, up to 48TB	8 SATA 3 ports, up to 48TB
eSATA			1 eSATA port	1 eSATA port
Power Supply	Single AC100V~240V, 50~60Hz, NVR: 15.2W (without HDD), PoE: Maximum 25.5W for single	NVR: Maximum 26.5W (without HDD); PoE: maximum 25.5W for single port, 150W in total	AC110V~240V, 50~60Hz, Less than 40W (without HDD)	AC110V~240V, 50~60Hz, Less than 40W (without HDD)
Working Environment	-10°C to +55°C / 10% to 90% RH / 86 to 106 kpa	-10°C to +55°C / 10% to 90% RH / 86 to 106 kpa	-10°C to +55°C / 10% to 90% RH / 86 to 106 kpa	-10°C to +55°C / 10% to 90% RH / 86 to 106 kpa
Dimension / Weight	1U 375mm × 275mm × 56mm / 2.65 kg (without HDD)	1.5U 440mm × 405mm × 76mm / 4.65 kg (without HDD)	482mm × 450mm × 91mm / 9 kg (without HDD)	486mm × 454.9mm × 91mm / 9 kg (without HDD)



Model	INS324KRAID (4T to 48T)	INS644KRAID (4T to 48T)
IP Camera Inputs	32 channels	64 channels
Two-way Voice	1 channel Input, 1 channel Output, RCA	1 channel Input, 1 channel Output, RCA
Interface	2 HDMI (up to 3840 × 2160), 1 VGA	2 HDMI (up to 3840 × 2160), 1 VGA
Resolution	3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768	3840 × 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768
Display	The 1st screen: 1 / 4 / 8 / 9 / 16 / 25 / 36; the 2nd screen: 1 / 4 / 8 / 9 / 16	The 1st screen: 1 / 4 / 8 / 9 / 16 / 25 / 36; the 2nd screen: 1 / 4 / 8 / 9 / 16
Recording Mode	Manual, Schedule (Regular (Continuous), MD (Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop	Manual, Schedule (Regular (Continuous), MD (Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Obscured	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Obscured
Alarm Inputs	16 channels	16 channels
Audio in/out	1 / 1, 2-way	1 / 1, 2-way
Relay Outputs	8ch, Relay contact (1A at 24VDC), NO/NC programmable, green terminal interface	8ch, Relay contact (1A at 24VDC), NO/NC programmable, green terminal interface
Ethernet Ports	2 Ethernet ports jointly working or 2 independent 1000 Mbps Ethernet ports	2 Ethernet ports jointly working or 2 independent 1000 Mbps Ethernet ports
Internal HDD	8 SATA 3 ports, up to 48TB	8 SATA 3 ports, up to 48TB
HDD Mode	Single, Raid 0 / 1 / 5 / 6 / 10 / 50 / 60 (Support global HDD hot-spare)	Single, Raid 0 / 1 / 5 / 6 / 10 / 50 / 60 (Support global HDD hot-spare)
eSATA	1 eSATA port	1 eSATA port
Power Supply	AC110V~240V, 50~60Hz, Less than 40W (without HDD)	AC110V~240V, 50~60Hz, Less than 40W (without HDD)
Working Environment	-10°C to +55°C / 10% to 90% RH / 86 to 106 kpa	-10°C to +55°C / 10% to 90% RH / 86 to 106 kpa
Dimension / Weight	482mm × 450mm × 91mm / 9 kg (without HDD)	486mm × 454.9mm × 91mm / 9 kg (without HDD)



Model		INSMDI2F	INSBO2IRF	INSEBO2IRF	INSDO2IRF	INSBO3IRF	INSDO3IRF
Image Sensor		1/3" 2 MP progressive scan CMOS	1/3" 2 MP progressive scan CMOS	1/3" 2 MP progressive scan CMOS	1/3" 2 MP CMOS	1/3" 3 MP progressive scan CMOS	1/3" 3 MP progressive scan Aptina CMOS
Effective Pixels		1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)	2048 (H) x 1536 (V)
Minimum Illumination		0.1 Lux/F1.2 (color)	Color : 0.1 Lux/F1.6; 0 Lux/F1.6 (IR on)	0.1 Lux/F1.6 (Color), 0 Lux/F1.6 (IR on)	0.1 Lux/F1.8 (Color); 0 Lux/F1.8 (IR on)	Color : 0.1Lux / F1.6; 0 Lux/F1.6(IR on)	0.1 Lux/F1.8(Color); 0 Lux/F1.8 (IR on)
Maximum Length of IR LEDs		N/A	30m	30m	30m	30m	30m
Day/Night		Auto (Electronic) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W
Backlight Compensation		BLC / HLC / DWDR	BLC / HLC / DWDR	BLC /HLC / DWDR	BLC /HLC / DWDR	BLC /HLC / DWDR	BLC /HLC / DWDR
Privacy Masking		Up to 4 areas	Up to 4 areas	Up to 4 areas	Up to 4 areas	Up to 4 areas	Up to 4 areas
Focal Length / Max. Aperture		2.8mm / F1.8	2.8mm / F1.6	2.8mm / F1.6	2.8mm / F1.8	2.8mm / F1.6	2.8mm / F1.8
Focus Control		Manual	Manual	Manual	Manual	Manual	Manual
Lens Type / Mount Type		Fixed / Board-in Type	Fixed / Board-in Type	Fixed / Board-in Type	Fixed	Fixed / Board-in Type	Fixed
Compression		H.264 / MJPEG	H.264H / H.264B / H.264 / MJPEG	H.264H / H.264B / H.264/ MJPEG	H.264 / H.264B / H.264H / MJPEG	H.264 / MJPEG	H.264 /H.264H / H.264B / MJPEG
Frame Rate	Main Stream	1080P (1 ~ 25/30fps)	1080P (1 ~ 25/30fps)	1080P (1 ~ 25/30fps)	1080P / 720P (1 ~ 25/30fps)	3MP (1 ~ 20fps) 1080P/ 720P (1 ~ 30fps)	3MP (1 ~ 20fps), 1080P / 720P (1 ~ 30fps)
	Sub Stream	D1/CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)	D1/ CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 30fps)	D1/CIF (1 ~ 30fps)
Bit Rate		H.264: 56K ~ 8192 Kbps	H.264H: 16K ~ 8192 Kbps	H.264H: 16K ~ 8192 Kbps	H.264: 16K ~ 8192 Kbps	H.264: 16K ~ 8192 Kbps	H.264: H: 16K ~ 8192 Kbps
Ethernet		RJ-45 (10/100Base -T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base -T)	RJ-45 (10/100Base -T)	RJ-45 (10/100Base -T)	RJ-45 (10/100Base -T)
Memory Slot							Micro SD, Maximum 6 4GB
Power Supply		DC12V, PoE (802.3af)	DC12V, PoE (802.3af)	DC12V, PoE (802.3af)	DC12V, PoE (80 2.3af)	DC12V, PoE (802.3af)	DC12V, PoE (80 2.3af)
Power Consumption		Less than 2W	Maximum 4W	Less than 5W	Less than 4.5W	Maximum 4W	Less than 4.5W
Working Environment		-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH
Ingress Protection			IP66	IP66	IP66, IK10 Vandal Resistance	IP66	IP66, IK10 Vandal Resistance
Dimensions		110 × 54mm	70mm× 66mm× 155mm	113.6mm x 85.8mm	110mm × 81mm	70mm × 66mm × 160mm	110mm × 81mm



Model		INSMD02F	INSWD02IRWF	INSDO2IRWF	INSWD04IRWF	INSDO4IRWF	INSDO2IRV
Image Sensor		1/2.8" 2 MP progressive scan Exmor CMOS	1/2.7" 2 MP progressive scan CMOS	1/2.7" 2 MP progressive scan CMOS	1/3" 4 MP progressive scan CMOS	1/3" 4 MP progressive scan CMOS	1/3" 2 MP progressive scan Aptina CMOS
Effective Pixels		1920(H) x 1080(V)	1920(H) x 1080(V)	1920(H) x 1080(V)	2688 (H) x 1520 (V)	2688 (H) x 1520 (V)	1920(H) x 1080(V)
Minimum Illumination		0.1 Lux/F1.2 (color)	0.01 Lux/F2.0 (Color); 0 Lux/F2.0 (IR on)	0.01 Lux/F2.0 (Color), 0 Lux/F2.0 (IR on)	0.01 Lux/F2.0 (Color); 0 Lux/F2.0 (IR on)	0.01 Lux/F2.0 (Color); 0 Lux/F2.0 (IR on)	0.01 Lux/F1.4 (Color); 0 Lux/F1.4 (IR on)
Maximum Length of IR LEDs		N/A	20m	30m	30m	30m	20m
Day/Night		Auto (Electronic) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W
Backlight Compensation		Off / BLC / HLC / DWDR	BLC / HLC / WDR (120dB)	BLC / HLC / WDR (120dB)	BLC / HLC / WDR (120dB)	BLC / HLC / WDR (120dB)	BLC / HLC / DWDR
Focal Length / Max. Aperture		2.8mm / F1.6	2.8mm / F2.0	2.8mm / F2.0	2.8mm / F1.8	2.8mm / F2.0	2.7mm~12mm varifocal / F1.4
Lens Type / Mount Type		Manual / Auto Iris (DC) / Board-in Type	Fixed lens	Fixed lens	Fixed lens	Fixed lens	Manual varifocal / Fixed Iris
Audio in/out		1/1 channel In/Out	1/1 channel in/out		1/1 channel in/out		
Compression		H.264 / MJPEG	H.264 / H.264H / H.264B / MJPEG	H.264 / H.264B / H.264H / MJPEG	H.264 / H.264H / H.264B / MJPEG	H.264 / H.264H / H.264B / MJPEG	H.264 / H.264H / H.264B / MJPEG
Frame Rate	Main Stream	1080P / 720P (1 ~ 25/30fps)	1080P / 720P (1 ~ 25/30fps)	1080P / 720P (1 ~ 25/30fps)	4MP (1 ~ 20fps) / 3MP (1 ~ 25/30fps)	4MP (1 ~ 20fps) / 3MP (1 ~ 25/30fps)	1080P / 720P (1 ~ 25/30fps)
	Sub Stream	D1 / CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)	D1 / CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)	D1/CIF (1 ~ 25/30fps)
	Third Stream		720P (1 ~ 13/4fps)	720P (1-13/4fps)	720P (1 ~ 20fps)	720P(1 ~ 20fps)	
Bit Rate		H.264: 32K ~ 8192Kbps	H.264: 32K ~ 10Mbps	H.264: 32Kbps ~ 10Mbps	H.264: 32K ~ 10 Mbps	H.264: 32 Kbps ~ 10 Mbps	H.264: 40K ~ 8192 Kbps
Smart Detection			Tripwire, intrusion, abandoned/missing, scene change, audio detection, face detection	Tripwire, Intrusion, abandoned / Missing, Scene Change, Audio Detect Face Detection	Tripwire, intrusion, abandoned/missing, scene change, audio detection, face detection	Tripwire, Intrusion, Abandoned/Missing, Scene Change, Audio Detection, Face Detection	
Ethernet		RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base -T)
Memory Slot		Micro SD, Maximum 64GB	Micro SD maximum 128GB		Micro SD maximum 128GB		Micro SD, Maximum 64GB
Alarm			1/1 channel in/out		1/1 channel in/out		
Power Supply / Consumption		DC12 V, PoE (802.3af); Maximum 3W	DC12V, PoE (802.3af); Less than 5W	DC12V, PoE (802.3af); Less than 4W	DC12V, PoE (802.3af); Less than 5W	DC12V, PoE (802.3af); Maximum 4W	DC12V, PoE (802.3af); Less than 4W
Ingress Protection		IP66; IK10 Vandal Resistance	IP67; IK10 Vandal Resistance	IP67; IK10 Vandal Resistance	IP67; IK10 Vandal Resistance	IP67; IK10 Vandal Resistance	IP66; IK10 Vandal Resistance
Dimensions		110 mm x 54 mm	106mm x 50.3mm	110mm x 81mm	106mm x 50.3mm	110mm x 81mm	122mm x 89mm



Model	INSD03IRV	INSD02IRWA	INSBO2IRWA	INSD03IRA	INSD02PTZ4X	INSD02IRSDA
Image Sensor	1/3" 3 MP progressive scan CMOS	1/3" 2 MP progressive scan Aptina CMOS	1/3" 2 MP progressive scan Aptina CMOS	1/3" 3 MP progressive scan CMOS	1/2.7" 2 MP progressive scan CMOS	1/2.7" 2 MP progressive scan CMOS
Effective Pixels	2048(H) x 1536(V)	1920(H) x 1080(V)	1920(H) x 1080(V)	2048(H) x 1536 (V)	1920(H) x 1080(V)	1920(H) x 1080(V)
Minimum Illumination	0.01 Lux/F1.4 (Color); 0 Lux/F1.4 (IR on)	0.01 Lux/F1.4 (Color); 0 Lux/F1.4 (IR on)	0.01 Lux/F1.4 (Color); 0 Lux/F1.4 (IR on)	0.01 Lux/F1.4 (Color); 0 Lux/F1.4 (IR on)	0.05 Lux/F1.6 (Color); 0.005 Lux/F1.6 (B/W)	0.01 Lux/F1.4 (Color); 0 Lux/F1.4 (IR on)
Maximum Length of IR LEDs	30m	20m	30m	30m	N/A	N/A
Day/Night	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR	BLC / HLC / DWDR	BLC / HLC / DWDR	BLC / HLC / DWDR	BLC / HLC / DWDR	BLC / HLC / WDR (120dB)
Privacy Masking	Up to 4 areas	Up to 4 areas	Up to 4 areas	Up to 4 areas	Up to 24 areas	Up to 4 areas
Focal Length / Max. Aperture	2.7mm~12mm varifocal / F1.4	2.7mm~12mm autofocus / F1.4	2.7mm~12mm autofocus / F1.4	2.7mm~12mm autofocus / F1.4	2.7mm ~ 11mm (4x optical zoom) / F1.6 ~ F2.8	2.7mm ~ 12mm / F1.4
Focus Control	Manual	Auto	Auto	Auto	Auto / Manual	Motorized
Lens Type / Mount Type	Manual varifocal / Fixed Iris	Motorized / Fixed Iris	Motorized / Fixed Iris / Board-in Type	Motorized / Fixed Iris / Board-in Type	Motorized PTZ	Motorized/ Auto Iris (DC)
Pan / Tilt Range					Pan: 0° ~ 355°; Tilt: 0° ~ 90°, auto flip 180°	
Audio in/out						1 / 1
Manual Control Speed					Pan: 0.1° ~ 100°/s; Tilt: 0.1° ~ 60°/s	
Preset Speed					Pan: 100°/s; Tilt: 60°/s	
Ethernet	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)
Memory Slot		Micro SD, Maximum 128GB	Micro SD, Maximum 64GB		Micro SD, Maximum 64GB	Micro SD, Maximum 128GB
Smart Detection						Tripwire, intrusion, abandoned, missing, face detection
Power Supply / Consumption	DC12V, PoE (80 2.3af); Less than 4.5W	DC12V, PoE (80 2.3af); Less than 7.5W	DC12V, PoE (802.3af); Maximum 7.5W	DC12V, PoE (802.3af); <8.5W	DC12V, PoE; 10 W	DC12V(AC24V optional), PoE (802.3af); Max 10W (with IR on, motorized lens working)
Working Environment	-30°C to +60°C, Less than 95% RH	-30°C to + 60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 95% RH	-30°C to +60°C, Less than 90% RH	-30°C to +60°C, Less than 95% RH
Ingress Protection	IP66; IK10 Vandal Resistance	IP66; IK10 Vandal Resistance	IP66	IP66; IK10 Vandal Resistance	IP66; IK10 Vandal Resistance	IP67, IK10 Vandal Resistance
Dimensions	122mm x 89mm	122mm x 89mm	72mm x 80mm x 212.8mm	122mm x 89mm	132.7mm x 116.5mm	159mm x 117.9mm



Model	INSDO4IRWA	INSBO2IR30X
Image Sensor	1/3" 4 MP progressive scan CMOS	1/2.8" 2 MP progressive scan CMOS
Effective Pixels	2688(H) x 1520(V)	1944(H) x 1092(V)
Minimum Illumination	0.01 Lux/F1.4 (Color); 0 Lux/F1.4 (IR on)	B/W: 0.005 Lux/F1.6
Maximum Length of IR LEDs	50m	N/A
Day/Night	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR (120dB)	BLC / HLC / DWDR
Privacy Masking	Up to 4 areas	Up to 24 areas
Focal Length / Max. Aperture	2.7mm~12mm auto focus / F1.4	4.3mm~129mm (30x Optical zoom) / F1.6 ~ F5
Focus Control	Auto	Auto / Manual
Audio in/out	1 / 1	1 / 1
Lens Type / Mount Type	Motorized / Auto Iris (DC)	
Pan / Tilt Range		
Manual Control Speed		
Ethernet	RJ-45 (10/100Base-T)	RJ-45 (10/100Base-T)
Memory Slot	Micro SD, Maximum 128GB	Micro SD, Maximum 64GB
Alarm	1/1 channel In/Out	2/1 channel In/Out
Power Supply / Consumption	DC12V (AC24V optional), PoE (802.3af)	AC24V/ DC12V optional; <50W
Working Environment	-40°C to +60°C, Less than 95% RH	-40°C ~ +70°C / Less than 90% RH
Ingress Protection	IP67; IK10 Vandal Resistance	IP66
Dimensions	159mm x 117.9mm	404mm x 164mm x 132mm



Model	INSD02PTZ30X
Image Sensor	1/2.8" 2 MP Exmor CMOS
Effective Pixels	1944 (H) x 1092 (V)
Minimum Illumination	0.05 Lux/F1.6 (Color); 0.005 Lux/F1.6 (B/W)
Maximum Length of IR LEDs	N/A
Day/Night	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR
Privacy Masking	Up to 24 areas
Digital Zoom	16x
Focal Length / Max. Aperture	4.3mm ~ 129mm (30x optical zoom) / F1.6 ~ F4.7
Focus Control	Auto / Manual
Lens Type / Mount Type	N/A
Pan / Tilt Range	Pan: 0° ~ 360°; Tilt: 0.1° ~ 250°
Manual Control Speed	Pan: 0.1° ~ 300°/s; Tilt: 0.1° ~ 250°/s
Preset Speed	Pan: 400°/s; Tilt: 300°/s
Presets	80 or 255 (Pelco-P/D)
PTZ Mode	5 patterns, 8 tours, auto panoramic, auto scan
Speed Setup	User defined speed adjustment
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Active Preset / Pan / Scan / Tour / Pattern (if there is no command in the specified period)

Time Task		Auto activation of Preset / Pan / Scan / Tour / Pattern by preset-time
Frame Rate	Main Stream	1080P (1 ~ 25/30fps) / 720P (1 ~ 50/60fps)
	Sub Stream	D1 / CIF (1 ~ 25/30fps)
Smart Detection		Tripwire, intrusion, cross-warning zone, perimeter protection, loitering, abandoned object, missing object, illegal parking, fast moving
Audio in/out		1/1 channel in/out
Auto Tracking		Single-scene, multiple-scene, panorama-scene
Tracking Trigger Mode		Manual / Auto (alarm triggered)
Tracking Trigger Event		Targeting, Zoom, Tracking, Recording, Snapshot, Alarm, etc.
Memory Slot		Micro SD maximum 64GB
Alarm		7/2 channel in/out
Power Supply / Consumption		AC 24V/3A (±10 %) (included), 20W, 45W (Heater on)
Working Environment		-40°C to +60°C, Less than 90% RH
Ingress Protection		IP67; IK10 Vandal Resistance
Dimensions		222mm × 322mm

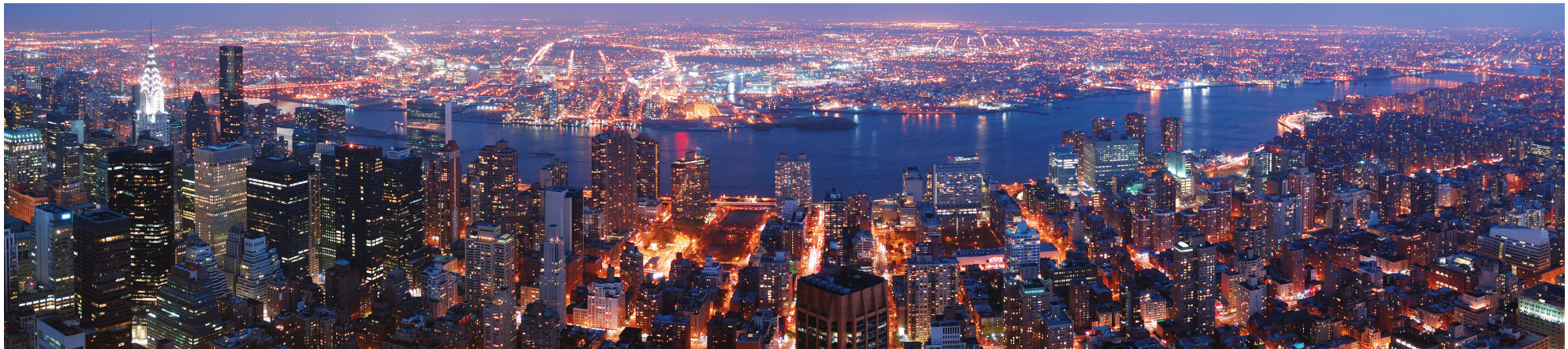


Model	INSD02PTZIR30X
Image Sensor	1/1.9" 2 MP Exmor CMOS
Effective Pixels	1944 (H) x 1092 (V)
Minimum Illumination	0.05 Lux/F1.6 (Color); 0.005 Lux/F1.6 (B/W); 0 Lux (IR on)
Maximum Length of IR LEDs	200 mm
Day/Night	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR (120db)
Privacy Masking	Up to 24 areas
Digital Zoom	16x
Focal Length / Max. Aperture	6mm~180mm (30x Optical zoom) / F1.6 ~ F4.8
Focus Control	Auto / Manual
Lens Type / Mount Type	N/A
Pan / Tilt Range	Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~ 240° /s; Tilt: 0.1° ~ 120° /s
Preset Speed	Pan: 240° /s; Tilt: 200° /s
Presets	300
PTZ Mode	5 patterns, 8 tours, auto panoramic, auto scan
Speed Setup	Human-oriented focal length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Active Preset / Pan / Scan / Tour / Pattern (if there is no command in the specified period)

Time Task		Auto activation or Preset / Pan / Scan / Tour / Pattern by preset-time
Frame Rate	Main Stream	1080P/ D1 (1 ~ 25/30fps), 720P (1~50/60fps)
	Sub Stream	D1 / CIF (1 ~ 25/30fps)
Smart Detection		Tripwire, intrusion, cross-warning zone, perimeter protection, loitering, abandoned object, missing object, illegal parking, fast moving
Audio in/out		1/1 channel in/out
Auto Tracking		Single-scene, multiple-scene, panoramic-scene
Tracking Trigger Mode		Manual / Auto (alarm triggered)
Tracking Trigger Event		Targeting, Zoom, Tracking, Recording, Snapshot, Alarm, etc.
Memory Slot		Micro SD maximum 64GB
Alarm		7/2 channel in/out
Power Supply / Consumption		AC24V/3A (±25%) (included); Hi - POE (60W)
Working Environment		-40°C to +70°C, Less than 90% RH
Ingress Protection		IP67; IK10
Dimensions		240mm x 382mm



Model	INS44NVR (1T to 6T)	INS88NVR (1T to 6T)	INS1616NVR (4T to 24T)	INS3216NVR (4T to 24T)
IP Camera Inputs	4 channels	8 channels	16 channels	32 channels
Interface	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA, 1 TV	1 HDMI, 1 VGA, 1 TV
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	1920×1080, 1280×1024, 1280×720, 1024×768	1920×1080, 1280×1024, 1280×720, 1024×768	1920×1080, 1280×1024, 1280×720, 1024×768
Display	1 / 4	1 / 4 / 8 / 9	1 / 4 / 8 / 9 / 16	1 / 4 / 8 / 9 / 16
Alarm Inputs			16 channels	16 channels
Relay Outputs			4 channels	4 channels
Audio in/out	1 / 1, 2-way	1 / 1, 2-way	1 / 1, 2-way	1 / 1, 2-way
PoE	4 ports (IEEE802.3at) - maximum 25.5W per port	8 ports (IEEE802.3af /at) - maximum 120W, maximum 15.4W per port	16 ports (IEEE802.3a t/af) - maximum 150W, maximum 15.4W per port	16 ports (IEEE802.3at/af) - maximum 150W; maximum 15.4W per port
Internal HDD	1 SATA port, up to 6TB	1 SATA port, up to 6TB	4 SATA ports, up to 24TB	4 SATA ports, up to 24TB
Power Supply	Single, DC 48V/1.5A	Single, DC 48V/2A	AC 100V~240V, 50/60HZ	AC 100V~240V, 50/60HZ
Power Consumption	NVR: 10W (without HDD) PoE: Maximum 25.5W for a single port	NVR: 10W (without HDD) PoE: Maximum 15.4W (for one port)	NVR: 40W (without HDD) PoE: Maximum 15.4W (for one port)	NVR: 40W (without HDD) PoE: Maximum 15.4W (for one port)
Working Environment	-10°C to +55°C / 10%~90%RH / 86~106kpa	-10°C to +55°C / 10%~90%RH / 86~106kpa	-10°C to +55°C / 10%~90%RH / 86~106kpa	-10°C to +55°C / 10%~90%RH / 86~106kpa
Dimension (W×D×H)	Mini 1 U, 325mm × 240 mm × 45 mm	Mini 1 U, 325mm × 240 mm × 45 mm	1.5U, 440mm × 410 mm × 70 mm	1.5U, 440mm × 410 mm × 70 mm



ALL IN ONE PLUG AND PLAY NVR'S



Model	INS2U7816S (4T to 48T)
IP Video Inputs	16 channels or more if analog are unused
Analog Inputs	16 channels, BNC
Analog Video Standard	NTSC (525 Line, 60f/s), PAL (625 Line, 50f/s)
Loop Outputs	16 channels, BNC
Audio Inputs	16 channels, BNC
Audio Outputs	1 channels, BNC
Interface	2 HDMI, 1 VGA, 1 TV, 1 Spot, BNC
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Recording Rate Analog	All channel@960H (25/30fps)
Bit Rate	IP: 48~8192 Kb/s, Analog: 48~3072Kb/s
Recording Mode	Manual, Scheduled (Regular (Continuous), MD, Alarm), Stop
Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.
Alarm Inputs	16 channels
Relay Outputs	6 channels
Audio in/out	16 / 1, 2-way
Ethernet	2 RJ-45 ports (10/100M/1000M)
Internal HDD	8 SATA ports (8HDDs or 6HDDs+1CD/DVD-RW), up to 48TB
Power Supply	AC 100~240 V, 50/60 Hz
Power Consumption	40W
Operating Environment	-10°C to +55°C / 10%~90%RH / 86~106kpa
Dimension (W×D×H)	2U, 440mm × 460mm × 89mm

STORM PLUG & PLAY IP KITS

INS44NVR1TBE



Kit Includes:
1 x 4-Channel 1TB NVR
4 x 2.1 MP Eyeball Cameras

INS88NVR2TBE



Kit Includes:
1 x 8-Channel 2TB NVR
4 x 2.1 MP Eyeball Cameras

INS168NVR2TBE



Kit Includes:
1 x 16-Channel 2TB NVR
4 x 2.1 MP Eyeball Cameras

INS1688N2TE



Kit Includes:
1 x 16-Channel 2TB NVR
8 x 2.1 MP Eyeball Cameras

INS44NVR1TBB



Kit Includes:
1 x 4-Channel 1TB NVR
4 x 3.1 MP Bullet Cameras

INS88NVR2TBB



Kit Includes:
1 x 8-Channel 2TB NVR
4 x 3.1 MP Bullet Cameras

INS168NVR2TBB



Kit Includes:
1 x 16-Channel 2TB NVR
4 x 3.1 MP Bullet Cameras

INS1688N2TB



Kit Includes:
1 x 16-Channel 2TB NVR
8 x 2.1 MP Bullet Cameras

INS44NVR1TBEB



Kit Includes:
1 x 4-Channel 1TB NVR
2 x 2.1 MP Eyeball Cameras
2 x 3.1 MP Bullet Cameras

INS88NVR2TBEB



Kit Includes:
1 x 8-Channel 2TB NVR
2 x 2.1 MP Eyeball Cameras
2 x 3.1 MP Bullet Cameras

INS168NVR2TBEB



Kit Includes:
1 x 16-Channel 2TB NVR
2 x 2.1 MP Eyeball Cameras
2 x 3.1 MP Bullet Cameras

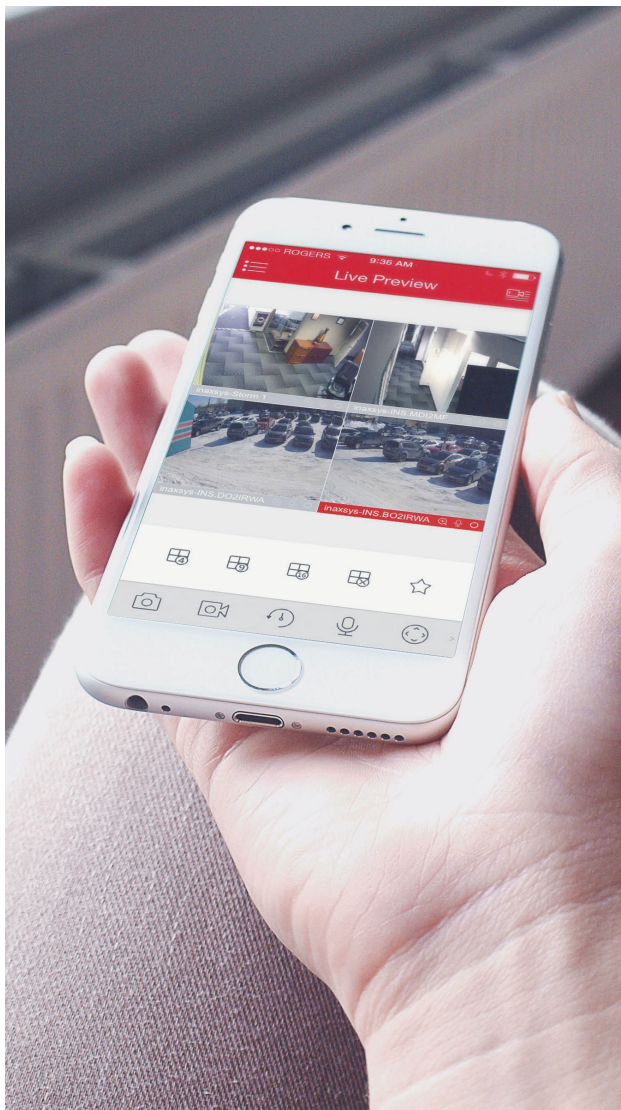
INS1688N2TEB



Kit Includes:
1 x 16-Channel 2TB NVR
4 x 2.1 MP Eyeball Cameras
4 x 2.1 MP Bullet Cameras



Model	INSB01IRCF	INSEB01IRCF	INSO01IRCF	INSO1IRCV	INSO2IRCV	INSEB024IRCF	INSB024IRCF	INSO24IRCF	INSB024IRCA	INSO24IRCA
Image Sensor	1/2.9" 1 MP CMOS	1/2.9" 1 MP CMOS	1/2.9" 1 MP CMOS	1/2.9" 1 MP CMOS	1/2.7" 2 MP CMOS	1/2.8" 2.4 MP CMOS	1/2.8" 2.4 MP CMOS	1/2.8" 2.4 MP CMOS	1/2.8" 2.4 MP CMOS	1/2.8" 2.4 MP CMOS
Effective Pixels	1280(H) × 720(V)	1280(H) × 720(V)	1280(H) × 720(V)	1280(H) × 720(V)	1930(H) × 1088(V)	1984(H) × 1225(V)	1984(H) × 1225(V)	1984(H) × 1225(V)	1984(H) × 1225(V)	1984(H) × 1225(V)
Minimum Illumination	0.05 Lux at F1.6 (AGC ON), 0 Lux IR on	0.05 Lux at F1.6 (AGC ON), 0 Lux IR on	0.01 Lux at F1.2 (AGC ON), 0 Lux IR on	0.01 Lux at F1.2 (AGC ON), 0 Lux IR on	0.01 Lux at F1.2 (AGC ON), 0 Lux IR on	0.05 Lux at F1.2 (AGC ON), 0 Lux IR on	0.05 Lux at F1.2 (AGC ON), 0 Lux IR on	0.01 Lux at F1.2 (AGC ON), 0 Lux IR on	0.05 Lux at F1.2 (AGC ON), 0 Lux IR on	0.05 Lux at F1.2 (AGC ON), 0 Lux IR on
Video Output	1-channel BNC HDCVI high definition video output	1-channel BNC HDCVI high definition video output	1-channel BNC HDCVI high definition video output	1-channel BNC HDCVI high definition video output	1-channel BNC HDCVI high definition video output	1-channel BNC HDCVI high definition video output / CVBS standard definition video output (Can switch)	1-channel BNC HDCVI high definition video output / CVBS standard definition video output (Can switch)	1-channel BNC HDCVI high definition video output / CVBS standard definition video output (Can switch)	1-channel BNC HDCVI high definition video output / CVBS standard definition video output (Can switch)	1-channel BNC HDCVI high definition video output / CVBS standard definition video output (Can be switched)
Maximum length of IR LEDs	30m, Smart IR	30m, Smart IR	20m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR	30m, Smart IR
Day/Night	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / BW	Auto (ICR) / Color / BW	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W	Auto (ICR) / Color / B/W
Focal Length	2.8mm	2.8mm	2.8mm	2.7~12mm	2.7~12mm	2.8mm fixed	2.8mm fixed	2.8mm	2.7~12mm	2.7~12mm
Lens Type	Fixed Iris	Fixed Iris	Fixed Iris	Manual / Fixed Iris	Manual / Fixed Iris	Fixed Iris	Fixed Iris	Fixed Iris	Motorized / Autofocus	Motorized / Autofocus
Power Supply	DC12V±25%	DC12V±25%	DC12V±10%	DC12V±10%	DC12V±20%	DC 12V±10%	DC 12V±10%	DC 12V±10%	DC12V±10%	DC12V±10%
Power Consumption	Maximum 3.5W	Maximum 2.5W	Maximum 2.5W	Maximum 3.2W	Maximum 4.1W	Maximum 3.5W	Maximum 4.8W	Maximum 3.5W	Maximum 7.5W	Maximum 8.6W
Working Environment	-30°C~to 60°C / Less than 95%RH (no condensation)	-30°C~to 60°C / Less than 95%RH (no condensation)	-30°C~to 60°C / Less than 95%RH (no condensation)	-30°C~to 60°C / Less than 95%RH (no condensation)	-30°C~to 60°C / Less than 95%RH (no condensation)	-30°C to +60°C / Less than 95% RH (no condensation)	-30°C to +60°C / Less than 95% RH (no condensation)	-30°C to +60°C / Less than 95% RH (no condensation)	-30°C to +60°C / Less than 95% RH (no condensation)	-30°C to +60°C / Less than 95% RH (no condensation)
Transmission Distance	Over 800m via 75-3 coaxial cable	Over 800m via 75-3 coaxial cable	Over 500m via 75-3 coaxial cable	Over 800m via 75-3 coaxial cable	Over 500m via 75-3 coaxial cable	Over 500m via 75-3 coaxial cable	Over 500m via 75-3 coaxial cable	Over 500m via 75-3 coaxial cable	Over 500m via 75-3 coaxial cable	Over 500m via 75-3 coaxial cable
Ingress Protection	IP67	IP67	IP66 & IK10	IP67 & IK10	IP67 & IK10	IP67	IP67	IP67 & IK10	IP67	IP67 & IK10
Dimensions	Φ70mm × 165mm	Φ93.4mm × 79.7mm	110mm × 81.0mm	122mm × 89mm	Φ122mm × 89mm	Φ 94.0mm × 79.5mm	Φ65mm × 154.7mm	109.9mm × 81.0mm	213mm × 80mm × 72mm	122mm×89mm



Model	INSDO2IRCPTZ
Image Sensor	1/2.8" 2 Megapixels E xmor CMOS
Effective Pixels	1920(H) x 1080(V)
Scanning System	Progressive
Electronic Shutter Speed	1/1 ~ 1/ 30,000s
Minimum Illumination	Color: 0.05 Lux at F1.4; B/W: 0.005 Lux at F1.4
S/N Ratio	Color: 0.05 Lux at F1.4; B/W: 0.005 Lux at F1.4
Resolution	25/30fps at 1080P, 25/30/50/60fps at 720P
Video Output	1-channel BNC HDCVI high definition video output
Day/Night	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / DWDR (Digital WDR)
White Balance	Auto, ATW, Indoor, Outdoor, Manual
Gain Control	Auto / Manual
Noise Reduction	2D/3D
Privacy Masking	Up to 24 areas
Digital Zoom	16x
Focal Length	4.7mm~94mm (20x Optical zoom)
Maximum Aperture	F1.4~ F2.6
Focus Control	Auto / Manual
Viewing Angle	54.1° ~ 3.2°
Close Focus Distance	100mm ~ 1000mm
Pan/Tilt Range	Pan: 0° ~ 360° endless ; Tilt: -15° ~ 90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~160° /s ; Tilt: 0.1° ~ 60° /s
Preset Speed	Pan: 240° /s ; Tilt: 200° /s

Preset	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan, Auto Scan
Speed Setup	Human-oriented focal length/speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset / Pan / Scan / Tour / Pattern if there is no command in the specified period
IR Distance	100m
Protocol	DH-SD, Pelco-P/D (Auto recognition)
RS485	1
Audio in	1
Power Supply	AC24V /1.5A included
Power Consumption	15W, 24W (IR on, Heater on)
Working Environment	-40°C to 60°C / Less than 90% RH
Ingress Protection	IP66
Dimensions	202.0mm x 325.0mm
Weight	4.0kg

STORM PLUG & PLAY HDCVI KITS

INSK44CV1TE



Kit Includes:
1 x 4-Channel 1TB DVR
4 x 1 MP Eyeball Cameras

INSK44CV1TB



Kit Includes:
1 x 4-Channel 1TB DVR
4 x 1 MP Bullet Cameras

INSK44CV1TEB



Kit Includes:
1 x 4-Channel 1TB DVR
2 x 1 MP Eyeball Cameras
2 x 1 MP Bullet Cameras

INSK88CV1TE



Kit Includes:
1 x 8-Channel 1TB DVR
4 x 1 MP Eyeball Cameras

INSK88CV1TB



Kit Includes:
1 x 8-Channel 1TB DVR
4 x 1 MP Bullet Cameras

INSK88CV1TEB



Kit Includes:
1 x 8-Channel 1TB DVR
2 x 1 MP Eyeball Cameras
2 x 1 MP Bullet Cameras

INSK168CV2TE



Kit Includes:
1 x 16-Channel 2TB DVR
8 x 1 MP Eyeball Cameras

INSK168CV2TB



Kit Includes:
1 x 16-Channel 2TB DVR
8 x 1 MP Bullet Cameras

INSK168CV2TEB



Kit Includes:
1 x 16-Channel 2TB DVR
4 x 1 MP Eyeball Cameras
4 x 1 MP Bullet Cameras



Model	INS4CCVI (1T to 6T)	INS8CCVI (1T to 6T)
Video Inputs	4 channels, BNC	8 channels, BNC
Analog Inputs	N/A	N/A
HDCVI	1080P/720P HDCVI cameras	1080P/720P HDCVI cameras
IP	Supports 2ch 1080P/720P IP cameras maximum	Supports 2ch 1080P/720P IP cameras maximum
Audio Inputs	N/A	N/A
Audio Outputs	N/A	N/A
Interface	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	1920×1080, 1280×1024, 1280×720, 1024×768
Display	1 / 4	1 / 4 / 8 / 9
Privacy Masking	4 rectangular zones (each camera)	4 rectangular zones (each camera)
Video Detection	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Blank	Motion Detection M D Zones: 396 (22×18), Video Loss & Camera Blank
Alarm Inputs	N/A	N/A
Relay Outputs	N/A	N/A
Audio in/out	1 / 1, 2-way	1 / 1, 2-way
Ethernet	RJ-45 port (10/100M)	RJ-45 port (10/100M/1000M)
Internal HDD	1 SATA port, up to 4TB	1 SATA port, up to 4TB
Power Supply	DC12V/2A	DC12V/3A
Power Consumption	10W (without HDD)	10W (without HDD)
Operating Environment	-10°C to +55°C / 10%~90%RH / 86~106kpa	-10°C to +55°C / 10%~90%RH / 86~106kpa
Dimensions (W x D x H)	205mm × 205mm × 40mm	205mm × 205mm × 40mm



Model	INS8CVI (1T to 6T)	INS16CVI (1T to 6T)
Video Inputs	8 channels, BNC	16 channels, BNC
Analog Inputs	NTCS / PAL	NTCS / PAL
HDCVI	1080P/720P HDCVI cameras	1080P/720P HDCVI cameras
IP	Supports 2ch 1080P/720P IP cameras maximum	Supports 2ch 1080P/720P IP cameras maximum
Audio Inputs	4 channels, RCA	4 channels, RCA
Audio Outputs	1 channel, RCA	1 channel, RCA
Interface	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768	1920×1080, 1280×1024, 1280×720, 1024×768
Display	1 / 4 / 8 / 9	1 / 4 / 8 / 9 / 16
Privacy Masking	4 rectangular zones (each camera)	4 rectangular zones (each camera)
Video Detection	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Blank	Motion Detection M D Zones: 396 (22×18), Video Loss & Camera Blank
Alarm Inputs	8 channels	16 channels
Audio in/out	8 / 1, 2-way	16 / 1, 2-way
Relay Outputs	3 channels	3 channels
Ethernet	RJ-45 port (10/100M)	RJ-45 port (10/100M/1000M)
Internal HDD	1 SATA port, up to 4TB	1 SATA port, up to 4TB
Power Supply	DC12V/2A	DC12V/3A
Power Consumption	10W (without HDD)	10W (without HDD)
Operating Environment	-10°C to +55°C / 10%~90%RH / 86~106kpa	-10°C to +55°C / 10%~90%RH / 86~106kpa
Dimensions (W x D x H)	Mini 1U, 325mm × 255mm × 55mm	Mini 1U, 325mm × 255mm × 55mm

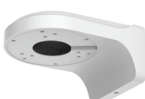


Model	INS168CVI (4T to 48T)	INS324CVI (4T to 24T)	INS328CVI (28T to 48T)
IP Camera Inputs	16 channels	32 channels, BNC	32 channels, BNC
Video Standard	HDCVI: 1080P / 720P HDCVI Cameras; Analog: NTSC / PAL; IP: All channels support 1080P / 720P IP Cameras	HDCVI: 1080P / 720P HDCVI Cameras; Analog: NTSC / PAL; IP: All channels support 1080P / 720P IP Cameras	HDCVI: 720P HDCVI Cameras; IP: All channels support 1080P / 720P IP Cameras
Audio Inputs	16 channels BNC	32 channels BNC	32 channels BNC
Audio Outputs	1 channel BNC	1 channel BNC	1 channel BNC
Interface	2 HDMI, 1 VGA, 1 TV	2 HDMI, 1 VGA, 1 TV	2 HDMI, 1 VGA, 1 TV
Display	1 / 4 / 8 / 9 / 16	1 / 4 / 8 / 9 / 16 / 25 / 36	1 / 4 / 8 / 9 / 16 / 25 / 36
Privacy Masking	4 rectangular zones (each camera)	4 rectangular zones (each camera)	4 rectangular zones (each camera)
Video / Audio Compression	H.264 / G.711	H.264 / G.711	H.264 / G.711
Recording Rate	Main stream : 1080P / 720P / 960H / D1 / HD1 / 2 CIF / CIF (1 ~ 25/30fps); Extra stream: CIF / QCIF (1 ~ 25/30fps)	Main stream : 1080P (1 15fps) / 720P / 960H / D1 / HD1 / 2 CIF / CIF (1 ~ 25/30fps); Extra stream: CIF / QCIF (1 ~ 25/30fps)	Main stream : 720P / 960H / D1 / HD1 / 2 CIF / CIF (1 ~ 25/30fps); Extra stream: CIF / QCIF (1 ~ 25/30fps)
Bit Rate	48 ~ 6144 Kb /s	48 ~ 4096 Kb /s	48 ~ 4096 Kb /s
Recording Mode	Manual, Schedule (Regular (Continuous), MD, Alarm), Stop	Manual, Schedule (Regular (Continuous), MD, Alarm), Stop	Manual, Schedule (Regular (Continuous), MD), Stop
Recording Interval	1 ~ 60 min (default: 60 m in), Pre-record: 1~30 sec, Post-record: 10~300 sec	1 ~ 60 min (default: 60 m in), Pre-record: 1~30 sec, Post-record: 10~300 sec	1 ~ 60 min (default: 60 m in), Pre-record: 1~30 sec, Post-record: 10~300 sec
Trigger Events	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips	Recording, PTZ, Tour, Alarm out, Video Push, Email, FTP, Snapshot, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Obscured	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Obscured	Motion Detection, MD Zones: 396 (22×18), Video Loss & Camera Obscured
Alarm Inputs	16 channels	16 channels	16 channels
Audio in/out	16 / 1, 2-way	4 / 1, 2-way	16 / 1, 2-way
Relay Outputs	6 channels	6 channels	6 channels
Backup Mode	USB Device / eSATA Device / Network	USB Device / eSATA Device / Network	USB Device / eSATA Device / Network
Ethernet	2 RJ-45 ports (10/100M/1000M)	RJ-45 ports (10/100M/1000M)	2RJ-45 ports (10/100M/1000M)
Internal HDD	8 SATA ports (8HDDs or 6HDDs + 1 CD/DVD-RW), up to 48TB	4 SATA ports (4HDDs or 3HDDs + 1 CD/DVD-RW), up to 24TB	8 SATA ports (8HDDs or 6HDDs + 1 CD/DVD-RW), up to 48TB
Power Supply	AC 100 ~ 240V, 50/60Hz, 40W (without HDD)	AC 100 ~ 240V, 50/60Hz, 40W (without HDD)	AC 100 ~ 240V, 50/60Hz, 40W (without HDD)
Operating Environment	-10°C to +55°C / 10% to 90% RH / 86 to 106kpa	-10°C to +55°C / 10% to 90% RH / 86 to 106kpa	-10°C to +55°C / 10% to 90% RH / 86 to 106kpa
Dimensions (W x D x H)	2U 440mm × 460mm × 89mm	1.5U 440mm × 416mm × 68mm	2U 440mm × 460mm × 89mm

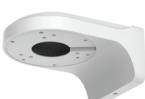
ACCESSORIES

INSD02IRCPTZ	INSX64FB	INSX111	INSX112	INSX113	INSX120	INSX150	INSX151	INSX300
								
	Wall	Adapter	Ceiling	Ceiling	Junction Box	Pole	Corner	Ceiling

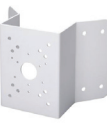
INSD06IRHEM, INSD012IRHEM	INSX100	INSX112	INSX113	INSX132	INSX151	INSX152	INSX300
							
	Mount	Ceiling	Ceiling	Junction Box	Corner	Pole	Ceiling

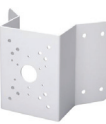
INSD04KIRF	INSX136	INSX150	INSX151	INSX152	INSX200	INSX203
						
	Junction Box	Pole	Corner	Pole	Wall	Wall

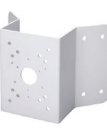
INSB02IRF, INSB03IRF	INSX130	INSX134	INSX150	INSX151	INSX152
					
	Junction Box	Junction Box	Pole	Corner	Pole

INSD02IRF, INSD03IRF	INSX136	INSX150	INSX151	INSX200	INSX152
					
	Junction Box	Pole	Corner	Wall	Pole

ACCESSORIES

INSDO2IRV, INSDO3IRV, INSDO2IRWA, INSDO3IRA	INSX137	INSX150	INSX151	INSX152	INSX203
					
	Junction Box	Pole	Corner	Pole	Wall

INSDO2IRWF, INSDO4IRWF	INSX136	INSX150	INSX151	INSX152	INSX203
					
	Junction Box	Pole	Corner	Pole	Wall

INSDO2PTZ30X	INSX69F	INSX111	INSX112	INSX113	INSX150	INSX151	INSX300
							
	Wall	Adapter	Ceiling	Ceiling	Pole	Corner	Ceiling

INSBO2IRWA	INSX122	INSX135	INSX150	INSX151	INSX152
					
	Junction Box	Junction Box	Pole	Corner	Pole

INSDO1IRCV, INSDO2IRCV, INSDO24IRCA, INSDO24IRCA	INSX137	INSX150	INSX151	INSX152	INSX203
					
	Junction Box	Pole	Corner	Pole	Wall

ACCESSORIES

INSO4IRWA	INSX101	INSX138	INSX150	INSX151	INSX302
					
	Mount	Junction Box	Pole	Corner	Wall

INSBO24IRCA	INSX122	INSX135	INSX150	INSX151	INSX152
					
	Junction Box	Junction Box	Pole	Corner	Pole

INSBO24IRCF	INSX130	INSX134	INSX150	INSX151	INSX152
					
	Junction Box	Junction Box	Pole	Corner	Pole

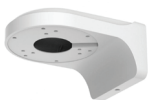
INSO1IRCF	INSX136	INSX150	INSX151	INSX152	INSX200
					
	Junction Box	Pole	Corner	Pole	Wall

INSO2PTZ4X	INSX136	INSX151	INSX152	INSX203
				
	Junction Box	Corner	Pole	Wall

ACCESSORIES

INSWDO2IRWF, INSWDO4IRWF	INSX139	INSX152	INSX204
			
	Junction Box	Pole	Wall

INSO24IRCF	INSX136	INSX150	INSX151	INSX152
				
	Junction Box	Pole	Corner	Pole

INSMD02F	INSX131	INSX152	INSX200
			
	Junction Box	Pole	Wall

INSEB02IRF	INSX122	INSX152	INSX200
			
	Junction Box	Pole	Wall

INSMDI2F	INSX131	INSX200
		
	Junction Box	Wall

INSB04KIRF	INSX121	INSX151	INSX152
			
	Junction Box	Corner	Pole

INSEB024IRCF	INSX121	INSX152
		
	Junction Box	Pole

ACCESSORIES



Model	INSX64FB	INSX69F	INSX100	INSX101	INSX111	INSX112	INSX113	INSX120	INSX121	INSX122
Description	Wall Mount	Wall Mount	Adapter	Mount	Mount Adapter	Ceiling Mount	Ceiling Mount	Junction Box	Junction Box	Junction Box
Compatible With Models	INSDO2IRCPTZ	INSDO2PTZ30X	INSDO6IRHEM, INSDO12IRHEM	INSDO4IRWA	INSDO2PTZ30X, INSDO2IRCPTZ	INSDO6IRHEM, INSDO12IRHEM, INSDO2PTZ30X, INSDO2IRCPTZ	INSDO6IRHEM, INSDO12IRHEM, INSDO2IRCPTZ	INSDO2IRCPTZ	INSDO4KIRF, INSEBO24IRCF	INSDO2IRWA, INSDO24IRCA



Model	INSX130	INSX131	INSX132	INSX134	INSX135	INSX136	INSX137	INSX138	INSX139
Description	Junction Box	Junction Box	Junction Box	Junction Box	Junction Box	Junction Box	Junction Box	Junction Box	Junction Box
Compatible With Models	INSDO2IRF, INSEBO2IRF, INSDO3IRF, INSDO24IRCF	INSMDO2F, INSMDO2F	INSDO6IRHEM, INSDO12IRHEM	INSDO2IRF, INSDO3IRF, INSDO24IRCF	INSDO2IRWA, INSDO24IRCA	INSDO4KIRF, INSDO2IRF, INSDO3IRF, INSDO2IRWF, INSDO4IRWF, INSDO1IRCF, INSDO24IRCF	INSDO2IRV, INSDO3IRV, INSDO2IRWA, INSDO3IRA, INSDO2PTZ4X, INSDO1IRCV, INSDO2IRCV, INSDO24IRCA	INSDO4IRWA	INSDO2IRWF, INSDO4IRWF



Model	INSX150	INSX151	INSX152	INSX200	INSX203	INSX204	INSX300	INSX302
Description	Pole	Corner	Pole	Wall	Wall	Wall	Ceiling Mount	Wall
Compatible With Models	INSDO6IRHEM, INSDO12IRHEM, INSB02IRF, INSDO2IRF, INSB03IRF, INSDO3IRF, INSDO2IRWF, INSDO4IRWF, INSDO2IRV, INSDO3IRV, INSDO2IRW, INSB02IRWA, INSDO3IRA, INSDO4IRWA, INSDO2PTZ30X, INSDO2IRCPTZ, INSDO1IRCF, INSDO1IRCV, INSDO2IRCV, INSB024IRCF, INSDO24IRCF, INSB024IRCA, INSDO24IRCA	INSB04KIRF, INSDO4KIRF, INSDO6IRHEM, INSDO12IRHEM, INSB02IRF, INSDO2IRF, INSB03IRF, INSDO3IRF, INSDO2IRWF, INSDO4IRWF, INSDO2IRV, INSDO3IRV, INSDO2IRWA, INSB02IRWA, INSDO3IRA, INSDO2PTZ4X, INSDO4IRWA, INSDO2PTZ30X, INSDO2IRCPTZ, INSDO1IRCF, INSDO1IRCV, INSB024IRCF, INSDO24IRCF, INSB024IRCA, INSDO24IRCA	INSB04KIRF, INSDO4KIRF, INSDO6IRHEM, INSDO12IRHEM, INSMDO2F, INSB02IRF, INSEB02IRF, INSDO2IRF, INSB03IRF, INSDO3IRF, INSMDO2F, INSWDO2IRWF, INSDO2IRWF, INSWDO4IRWF, INSDO4IRWF, INSDO2IRV, INSDO3IRV, INSDO2IRWA, INSB02IRWA, INSDO3IRA, INSDO2PTZ4X, INSDO1IRCF, INSDO1IRCV, INSDO2IRCV, INSEB024IRCF, INSB024IRCF, INSDO24IRCF, INSB024IRCA, INSDO24IRCA	INSDO4KIRF, INSMDO2F, INSEB02IRF, INSDO2IRF, INSDO3IRF, INSMDO2F, INSDO2IRWF, INSDO2IRWF, INSDO4IRWF, INSDO1IRCF	INSDO2IRV, INSDO3IRV, INSDO2IRWA, INSDO3IRA, INSDO2PTZ4X, INSDO1IRCV, INSDO2IRCV, INSDO24IRCA	INSWDO2IRWF, INSWDO4IRWF	INSDO6IRHEM, INSDO12IRHEM, INSDO2PTZ30X, INSDO2IRCPTZ	INSDO4IRWA