














Product Matrix

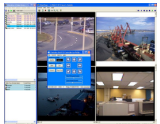
i5000 Series – Standalone Multi-Protocol Encoder and Decoder												
Model	Extended Temp (-34 to 74°C)	H.264	MPEG-4	MPEG-2	MJPEG	No. Video Ports	No. Data Ports	Video Analytics	Ethernet Network Interfaces	Audio	I/O (Contact & Sense)	
	i5110-E ^{1,3}		Y	Y	Y	Y	1	2	Opt.	1	1	2/1
	i5110-ET ^{1,3}	Y	Y	Y	Y	Y	1	2	Opt.	1	1	2/1
	i5110-ET-L ⁴	Y	Y		Y	Y	1	2		1	1	2/1
	i5110-D		Y	Y	Y	Y	1	2		1	1	2/1
i540x Series – Multi-Protocol Standalone Encoders												
	i5401-E	Y ²	Y	Y		Y	1	2	Opt	1	1	2/2
	i5401-D	Y ²	Y	Y		Y	1	2	Opt	1	8	2/2
	i5404-E	Y ²	Y	Y		Y	4	2	Opt	1	8	4/4
VSG5000 Series - High Density Standalone and Chassis System												
	VSG5820-E/D	Y ²	Y	Y		Y	8	8	Opt	1	8	
	VSG 5000-E	Y ²	Y	Y		Y	8	8	Opt	1	8	
	VSG 5000-D	Y ²	Y	Y		Y	8	8		1	8	
	VSG 5000	13 Slots x 6U (7U with Fan Tray) Supports up to 104 video and data channels via VSG 5000-E and -D Cards										
Notes: 1. -D and -E denotes Decoder and Encoder respectively 2. This model -20°C to 60°C 3. Flash memory storage available on i5110-E and i5110-ET variants as a factory installed option. Complies with NEMA 4 temperature range 4. i5110-ET-L ("Light") is available less on-board memory and analytics options.												





i5210/5410/5810/5910 Series – Multi-Channel Encoders												
Model		Extended Temp (-34 to 74°C)	H.264	MPEG-4	MPEG-2	MJPEG	No. Video Ports	No. Data Ports	Video Analytics	Ethernet Network Interfaces	Audio	I/O (Contact & Sense)
	i5210-E		Y	Y		Y	2	2	Opt.	1	2	4/4
	i5210-ET	(-40°C to 85°C)	Y	Y		Y	2	2	Opt.	1	2	4/4
	i5410-E		Y	Y		Y	4	4	Opt.	2	4	8/8
	5410X104 (PC104)	(-40°C to 85°C)	Y	Y		Y	4	4	Opt.	1	4	4/8
	i5810-E		Y	Y		Y	8	2	Opt.	1	8	8/16
	i5910-E			Y		Y	16	2	Opt.	1	8	8/16
i5200 Series – Chassis System												
	i5210-E-C		Y	Y		Y	2	2	Opt.	1	2	4/4
	i5210-ET-C	(-40°C to 85°C)	Y	Y		Y	2	2	Opt.	1	2	4/4
	5000-RM		18 Slots x 4U, Supports up to 36 channels via i5210-E or ET Cards									




i5110/5210/5410/5810 Series – Optional Video Analytics Packages					
Feature	OnBoard 30	OnBoard 60	OnBoard 90	OnBoard 200	OnBoard 1000
Object Classification	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Tripwire Event Detection		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Multi-line Tripwire Event Detection					<input checked="" type="checkbox"/>
“Enters” Event Detection		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
“Exits” Event Detection		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
“Appears” Event Detection				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
“Disappears” Event Detection				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
“Inside of” Event Detection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Loitering Event Detection			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Leave Behind Event Detection					<input checked="" type="checkbox"/>
Take Away Event Detection					<input checked="" type="checkbox"/>
Gross Change Event Detection		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Object Size Filters				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Object Size Change Filters				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Saliency/Tide Filters					<input checked="" type="checkbox"/>
Multiview				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>




i4000 Series - MPEG-2 Standalone Encoders							
Model		Extended Temp (-34 to 74C)	No. Video Ports	No. Data Ports	Network Interfaces		I/O (Contact/Sense)
					10/100Base-T	Optical	
	i4020	Y	1	2	2		1/1
	i4021	Y	1	2	2	1	1/1
	i4022	Y	1	2	2	2	1/1
	i4110	Y	1	2	1		1/1
i4000 Series Electrical – Optical Converters							
	i4222 Dual EOC	Y	NA	NA	2	2	NA











i1000 Series - MPEG-2 Standalone Encoder and Decoder							
Model		Extended Temp (-34 to 74C)	No. Video Ports	No. Data Ports	Ethernet Network Interfaces	Audio	I/O (Contact/Sense)
	i1000-E ¹	Y	2	2	1		
	i1000-D ¹	Y	2	2	1		
VSG1000 Series Chassis System							
Model		Extended Temp (-34 to 74C)	No. Video Ports	No. Data Ports	Ethernet Network Interfaces	Audio	I/O (Contact/Sense)
	VSG1000-E ¹	Y	2	2	1		
	VSG1000-D ¹	Y	2	2	1		
	VSG Chassis	12 Slots, Supports any combination of VSG 1000-E and -D Cards					
Notes: 1. -D and -E denotes Decoder and Encoder respectively							


Viewing Solutions		
Program	Description	
	ClientVue-2 SV	Desktop video, supports viewing any MPEG-2 single video at a time
	ClientVue-2 MVT	Desktop video, supports viewing up to 16 x MPEG-2 video simultaneously, Touring, and PTZ


Indoor Analog Camera		
Model	Description	
Fixed Dome Camera		
	CM-DFL20S	CNB Mini Dome - High Resolution 600TVL - 1/3" Sony 3.8mm lens. (Replaces the CM-D1760N)
	CM-DBM24VF	CNB Mini Dome - 600TVL - 2.8~10.5mm lens, 3 axis, OSD, 12V DC/24V AC
	CM-LBM24VF	IR Dome Camera VF Ultra High Resolution 600TVL, IT CCD, Fixed Lens(f=3.8mm), Intelligent IR Technology, Built-in IR LEDs, DNR / OSD / Privacy Zone, Motion Detection
	CM-BBM24	Ultra High Resolution 600TVL, High Sensitivity CCD, Day & Nigh(ICR), Enhanced low-light sensitivity(Min. 0.005Lux), DNR, OSD, Privacy Zone, Motion Detection 12V DC - CS Mount lens not included

Outdoor Analog Camera		
Model	Description	
Fixed Dome Vandal Resistant Dome		
	CM-VCB34VF	CNB Vandal Proof WDR Dome - 1/3"CCD, 580 TVL, 2.8-10.5mm Lens, 100mm Digital Zoom no heater
	CM-VCB34VFH	CNB Vandal Proof WDR Dome - 1/3"CCD, 580 TVL, 2.8-10.5mm Lens, 100mm Digital Zoom w/Heater
	CM-LDM24VF	CNB IR VP Dome - 1/3" Sony 600TVL (VFL 3.8 - 9.5mm) without heater (Replaces the CM-V2815NVR)
	CM-LDM24VFH	CNB IR VP Dome - 1/3" Sony 600TVL (VFL 3.8 - 9.5mm) 30IR LED's, with heater (Replaces the CM-V2815NVRH)
	CM-VCM24VF(H)	CNB VP Dome - 1/3" Sony 600TVL (VFL 2.8 - 10mm) day/night camera with heater
	CM-VCM24VF	CNB VP Dome - 1/3" Sony 600TVL (VFL 2.8 - 10.5mm) SDNR, D/N, 12V DC/24V AC
Bullet Camera		
	CM-WCM20VF	CNB Bullet IR 20 meters - Weatherproof - 1/3" Sony 600TVL, 3.8-9.5mm lens, 12 V DC
	CM-WFM24VF	CNB Bullet IR - 50 meters - 600TVL, DC Iris Vari-focal Lens(3.8~9.5mm), TDN(ICR), OSDIntelligent IR Technology, Built-in IR LED 66EA, IR Visible Range : 50m, DNR / OSD / Privacy Zone, Motion Detection
	CM-BE5810NCR	550TVL, DC iris varifocal lens (f=7.5~50mm F1.3), Day & Night(ICR, DSS), Built-in IR LED 206EA and Sensor 1EA, IR Visible Range : Over 80m
PTZ Dome Camera		
	CM-PTZ2965NXW	CNB 1/4" SONY Exview CCD, 530TVL 36X Optical Zoom, 12X Digital - Heater and Blower, Sunshield. C/W power supply
	CM-CPTZ2465NXW	CNB 1/4" SONY Exview CCD, 480 TV Line 26X Optical Zoom, 12X Digital - Heater and Blower, Sunshield and Power Supply
	CM-PTZ2565NW	CNB 1/4" SONY Exview CCD, 480 TV Line 26X Optical Zoom, 12X Digital - Heater and Blower, Sunshield and Power Supply

Covert Cameras		
Model	Description	
	CM-SDR35	Covert functional smoke detector color camera
	CM-CH21CE	Covert PIR Motion Detector Camera
	CM-CFS35	Fire Sprinkler Color Camera with 3.7 Pinhole Len


IP Cameras (Indoor, Outdoor, SD and Mega Pixel)		
Model	Description	
	CM-IVP4000VR	Hybrid IP D&N IR Vandal Resistant Dome Camera, Progressive 1/4" CCD sensor, VGA, DC Iris Vari-focal Lens (f=3.8~9.5mm)
	CM-IDP4000VD	Hybrid IP Dome Camera, Progressive 1/4" CCD sensor, VGA, DC Iris Vari-focal Lens (f=2.8~10.5 mm)
	CM-IDC4050VR	Indoor 2MegaPixel IR Dome Camera
	CM-2752MF-E	HIK Vision IP 2.0 Megapixel interior dome camera 1600x1200 H.264 3.8-9mm lens PoE
	CM-2732F-E	HIK Vision IP interior dome camera, 4CIF, H.264 2.8~11mm lens PoE
	CM-2752MF-FB	HIK Vision IP 2.0 Megapixel Exterior/Interior Dome camera 1600x1200 H.264 2.8~11mm lens, PoE
	CM-IPPTZ614H	HIK Vision IP PTZ camera, H.264, 540TVL, 23X Zoom with a 3.84-88.4mm lens
	CM-DH783MFN/P	H.264, 1/2.8 inch CMOS 3 MP IP Camera, supports 2048 x 1536 (15fps) and 1920 x 1080 (25/30fps) resolution, supports POE, dual stream encoding, with SD card slot, ICR true Day/Night - with high performance IR LEDs(10-20meters)
	CM-IP4500E	Impath IP H.264 HS Dome Camera. Optical Zoom 36X SD - Dual Stream configurable - supports audio and multiple digital BNC Loop output I/O
	CM-2852MF-E	2.0 Megapixel, Linux OS embedded, H.264 dual stream video compression, PoE (Power over Ethernet) lens extra

Caveo Series PC Based MJPEG/H.264 DVR/NVR						
Model	Composite Video In	SDI-HD Video (Optional)	Aggregate Recording Rate (fps)	Backup Media ³	Internal Storage ¹ (std)	
	SM-CAVEO16120	16	2,4	120@D1	DVD/USB	500GB/1TB
	SM-CAVEO16240	16	2,4	240@D1	DVD/USB	500GB/1TB
	SM-CAVEO16480	16	2,4	480@D1	DVD/USB	500GB/1TB
	SM-CAVEO32240	32	2,4	240@D1	DVD/USB	500GB/1TB
<p>Notes:</p> <ol style="list-style-type: none"> Each Caveo HD system is built with superior quality components and genuine security storage drives. A 500GB HDD for the OS and a 1TB HDD for recording (available with up to 6TB). All Caveo HD DVR's are built into a 4U rack mount chassis and are accompanied by a keyboard, mouse and DVD-RW. A three year warranty is standard and covers all parts including hard drives. UPS 350 VA 8 Outlets optional. HDD expansion drives are available from 500GB to 2TB. Please contact Impath for details. DVD and USB standard, Blue-ray writer optional. 						
Caveo Sales Feature Options						
HS	All models are available with the HS (Hot Swap) RAID HDD option					
2HD	All models are available with SDI support for two (2HD) or four (4HD) HD-SDI video					
4HD						

iN 7100 Pro Hybrid H.264 DVR/NVR Series						
Model	Analog Video In	IP Channels	Aggregate Recording Rate (fps)	Backup Media ³	Internal Storage ² (Std.)	
	iN7100	0	8,16,32,48,64	Full D1/CIF per Video	DVD/USB	1TB
	iN7116	16	8,16,32,48	Full D1/CIF per Video	DVD/USB	1TB
	iN7132	32	8,16,32	Full D1/CIF per Video	DVD/USB	1TB
Notes: 1. The iN7100Pro Series DVR/NVR is a complete solution boasting analytics, mega-pixel support, Optional RAID 5, network attached storage (up to 12 TB), dozens of compatible IP cameras and much more. Full 4CIF/D1 – (704x480/720x480) resolution per channel, up to 64 channels, built in a rack mountable chassis and comes with a comprehensive three year warranty that covers all parts including hard drives. 2. HDD expansion options are available from 500GB to 2TB. Please contact Impath for details. 3. DVD/USB standard, Blue-ray writer optional						

iN7100 Sales Feature Options	
xIP	All iN7100 are available with IP channels support beginning with 8 IP channel. The sales features include 8, 16, 32, and 48 IP channel support. i.e. iN7100-8IP, iN7132-16IP Note however, the total number of analog and IP video is limited to 64 per model. The iN7100-64IP supports 64 IP video and 0 analog video.
RD	All iN7100 are available with RAID HDD configuration. The standard RAID configuration will consist of 3 x 500GB HDD.
HS	All iN7100 are available with Hot Swappable Rackmount HDD configuration. i.e. iN7100-HS, iN7132-16IP-HS The Hot Swap feature implies that the system will use a RAID HDD configuration.

iN7100 Optional Software and Accessories	
SA	Standard Analytics : Per channel analytic package consisting of object counting, loitering, illegal stop, moving inside region, enter & leave region, congregating and cross line
ADM	Advanced Detectors Module : Per channel analytic package consisting of abandoned object, missing object, scene change and out of focus detection
FSDM	Fire & Smoke Detection Modules : Per channel analytic package consisting of fire and smoke detection
HTAM	Human Tracking Analytics Modules : Per channel analytic package consisting of advanced Human Tracking
ACC16	Analog Capture Card 16 Channel, H.264/30fps at D1
BRW	Blue-ray DVD SATA Writer

iN Series H.264 Embedded DVR								
Model	Video In	Spot Video Out	Aggregate Recording Rate (max. fps)	Backup Media	Audio In/Out	Alarm In/Out	Internal Storage	
	SM-iN0404HE-AS	4	TV VGA	120@D1	USB	4/1	4/1	500GB
	SM-iN0804HF-A	8	TV VGA HDMI	240@D1	USB	8/1	8/3	1TB (Expandable)
	SM-iN1604HF-A	16	TV VGA HDMI	480@D1	USB	4/1	16/3	1TB (Expandable)
Notes: 1. iNxx04 Series - Embedded H.264 GUI w/Mouse, CMS/NVR – all channels D1 real time recording, dual encoding streams, smart phone monitoring (windows mobile), G711 audio, Alarm in/out, Spot Video Out.. 2. 4/8 Channel DVR are supplied in a 1U Case								