

Video Security Migration Line-up 2013

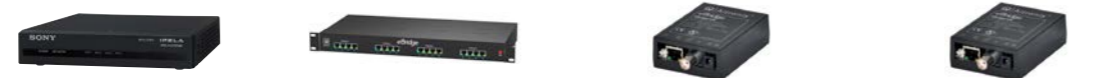


Video Encoders



		Video Encoders					
		1 Channel Box	1 Channel Box	4 Channel Box	4 Channel Box	4 Channel Blade	4 Channel Blade
Specifications		SNT-EX101	SNT-EX101E	SNT-EX104	SNT-EP104	SNT-EX154	SNT-EP154
Features	Noise Reduction	XDNR	XDNR	XDNR	XDNR	XDNR	XDNR
	PTZ Control	Yes	Yes	Yes	-	Yes	-
	Supported Protocols	Pelco-D, AD, Pelco-P, Bosch, Vicon, Panasonic, GE	Pelco-D, AD, Pelco-P, Bosch, Vicon, Panasonic, GE	Pelco-D, AD, Pelco-P, Bosch, Vicon, Panasonic, GE	-	Pelco-D, AD, Pelco-P, Bosch, Vicon, Panasonic, GE	-
	Coaxifron Control	Yes	Yes	Yes	-	Yes	-
	Echo Cancellation	Yes	Yes	Yes	-	Yes	-
	Edge Storage	Yes	Yes	Yes	-	Yes	-
	Image Enhancement	Visibility Enhancer	Visibility Enhancer	Visibility Enhancer	Visibility Enhancer	Visibility Enhancer	Visibility Enhancer
	DFI (Dynamic Frame Integration)	Yes	Yes	Yes	Yes	Yes	Yes
	Super Impose	Yes	Yes	Yes	Yes	Yes	Yes
	ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S	Profile S
Codec	Resolution	SD	SD	SD	SD	SD	SD
	Codec Image Size (H x V)	720 x 576, 720 x 470, 640 x 480, 384 x 288, 320 x 240					
	Video Compression Format	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG
	Codec Streaming Capability	Dual streaming	Dual streaming	Dual streaming	Dual streaming	Dual streaming	Dual streaming
	Maximum Frame Rate	H.264: 30 fps (720 x 576) MPEG4: 30 fps (720 x 576) JPEG: 30 fps (720 x 576)	H.264: 30 fps (720 x 576) MPEG4: 30 fps (720 x 576) JPEG: 30 fps (720 x 576)	H.264: 30 fps (720 x 576) MPEG4: 30 fps (720 x 576) JPEG: 30 fps (720 x 576)	H.264: 30 fps (720 x 576) MPEG4: 30 fps (720 x 576) JPEG: 30 fps (720 x 576)	H.264: 30 fps (720 x 576) MPEG4: 30 fps (720 x 576) JPEG: 30 fps (720 x 576)	H.264: 30 fps (720 x 576) MPEG4: 30 fps (720 x 576) JPEG: 30 fps (720 x 576)
	Audio Compression Format	G.711/G.726	G.711/G.726	G.711/G.726	-	G.711/G.726	-
	DEPA / DEPA Advanced	DEPA Advanced	DEPA Advanced	DEPA Advanced	-	DEPA Advanced	-
	Intelligent Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
	Filtering	Yes	Yes	Yes	Yes	Yes	Yes
	Tamper Alarm	Yes	Yes	Yes	Yes	Yes	Yes
Scene Analytics	Privacy Masking	8 Areas	8 Areas	8 Areas	8 Areas	8 Areas	8 Areas
	Advanced Audio Detection	Yes	Yes	Yes	-	Yes	-
	Ethernet Interface	10BASE-T / 100BASE-TX (RJ-45)	10BASE-T / 100BASE-TX (RJ-45)	10BASE-T / 100BASE-TX (RJ-45)	10BASE-T / 100BASE-TX (RJ-45)	10BASE-T / 100BASE-TX (RJ-45)	10BASE-T / 100BASE-TX (RJ-45)
	IPv4 / IPv6	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
	Protocols	IPv4, IPv6, TCP, UDP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)					
	IEEE 802.1x Authentication	1 x	1 x	1 x	1 x	1 x	1 x
	Number of Clients	10	10	10	10	10	10
	Number of IP/MAC-Address	1	1	4	4	4	4
	Analog Video Input	1 x	1 x	4 x	4 x	4 x	4 x
	Audio Line Output	Mini-jack (Monaural), Max output level: 1.5 Vp-p	Mini-jack (Monaural), Max output level: 1.5 Vp-p	Mini-jack (Monaural), Max output level: 1.5 Vp-p	-	Mini-jack (Monaural), Max output level: 1.5 Vp-p	-
Interfaces	Audio In / Out	1 x / 1 x	1 x / 1 x	4 x / 4 x	-	1 x / 1 x	-
	Ext. Microphone Input	Mini-jack (Monaural), MIC IN/LINE IN: over 2.2 kohm, 2.45 V DC plug-in power	Mini-jack (Monaural), MIC IN/LINE IN: over 2.2 kohm, 2.45 V DC plug-in power	Mini-jack (Monaural), MIC IN/LINE IN: over 2.2 kohm, 2.45 V DC plug-in power	-	Mini-jack (Monaural), MIC IN/LINE IN: over 2.2 kohm, 2.45 V DC plug-in power	-
	Sensor In	2 x	2 x	4 x	-	4 x	-
	Alarm Out	2 x	2 x	4 x	-	4 x	-
	Serial Interface	RS-422, RS-485	RS-422, RS-485	RS-485	-	RS-485	-
	USB Slots	1 x Inside	1 x Inside	4 x Inside	-	-	-
	Composite Buffered Through Out	1 x	1 x	-	-	-	-
	Power Requirement	AC 24 V with loop through output	PoE	DC 12 V	DC 12 V	Supplied from Rack	Supplied from Rack
	PoE Standard	-	IEEE802.3af	-	-	-	-
	Power Consumption	9.6 W max.	9.6 W max.	14.4 W max.	12 W max.	12 W max.	12 W max.
Operating Temperature	0 to 50 °C	0 to 50 °C	0 to 45 °C	0 to 45 °C	0 to 45 °C	0 to 45 °C	
Storage Temperature	-20 to 60 °C	-20 to 60 °C	-20 to 60 °C	-20 to 60 °C	-20 to 60 °C	-20 to 60 °C	
General	Operating Humidity	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)
	Storage Humidity	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)	20 to 80 % (non-condensing)
	Dimensions (W x H x D) (approx.)	73 x 34 x 155 mm	73 x 34 x 155 mm	210 x 44 x 255 mm	210 x 44 x 255 mm	78 x 34 x 382 mm	78 x 34 x 382 mm
	Mass (approx.)	Approx. 400 g	Approx. 400 g	Approx. 1.4 kg	Approx. 1.3 kg	Approx. 400 g	Approx. 400 g
	Supplied Accessories	CD-ROM (User's Guide and supplied programs) (1), Installation Manual (1), B&P Warranty Booklet (1), I/O port connector (1), 24 V AC connector (SNT-EX101 only) (1), Attachment brackets (4), Attachment screws (8)	-	CD-ROM (User's Guide and supplied programs) (1), Installation Manual (1), B&P Warranty Booklet (1), AC adaptor (AC-NB12A) (1), Power cord (1), I/O port connector (SNT-EX104 only) (1)	-	Installation Manual (1), B&P Warranty Booklet (1), I/O port connector (only SNT-EX154) (1), Attachment screws (2)	-
	Optional Accessories	-	-	-	-	SNT-RS1U (1U 16CH/4B Rack Station) SNT-RS3U (3U Size 48CH/12B Rack Station)	SNT-RS1U (1U 16CH/4B Rack Station) SNT-RS3U (3U Size 48CH/12B Rack Station)
	-	-	-	-	SNTA-RP1 (Redundant Power Supply f. SNT-RS3U)	SNTA-RP1 (Redundant Power Supply f. SNT-RS3U)	
	PrimeSupport	3 Year	3 Year	3 Year	3 Year	3 Year	3 Year
	PrimeSupport Extension	plus 2 Year Option	plus 2 Year Option	plus 2 Year Option	plus 2 Year Option	plus 2 Year Option	plus 2 Year Option

Z-Series Receivers



		Z-Series Receivers (iPELA Hybrid)			
		4 CH Receiver	16 CH Receiver	1 CH Receiver	1 CH Transceiver
Specifications		SNTA-ZX104	eBridge16CR	eBridge1CR	eBridge1CT
Features	Type	Receiver	Receiver	Receiver	Transceiver
	Supported Cameras	4	16	1	1
	Tested Coax Cable Length *	300 m	450 m	450 m	450 m
	Web Interface	Yes	-	-	-
	Serial PTZ Control Protocol	Pelco-D	-	-	-
	LED Indicators	Yes	Yes	Yes	Yes
	SLOC (Coax)	BNC 75 Ohm (x 4)	BNC 75 Ohm (x 16)	BNC 75 Ohm (x 1)	BNC 75 Ohm (x 1)
	Ethernet	10/100BaseT (x 1)	10/100BaseT (x 16)	10/100BaseT (x 1)	10/100BaseT (x 1)
	Analogue Video	BNC out (1.0 Vp-p, 75 Ω) (x 4)	BNC out (1.0 Vp-p, 75 Ω) (x 16)	BNC out (1.0 Vp-p, 75 Ω) (x 1)	BNC in (1.0 Vp-p, 75 Ω) (x 1)
	Serial (PTZ Control)	RS-485	-	-	-
Interface	Power Requirement	DC 12 V	DC 24 V to 56 V; AC 24 V	DC 12 V / 24 V; AC 12 V / 24 V	DC 12V / 24V; AC 12V / 24V
	Power Consumption (typ.)	approx. 12 W	24 VDC/1500 mA, 56VDC/700 mA, 24 VAC/2200 mA	12 VDC/275 mA, 24 VDC/110 mA, 16 VAC/375 mA, 24 VAC/200 mA	12 VDC/275 mA, 24 VDC/110 mA, 16 VAC/375 mA, 24 VAC/200 mA
	Operating Temperature	0° C to 45° C	-10° C to +50° C	-10° C to +50° C	-10° C to +50° C
	Storage Temperature	-20° C to +60° C	-30° C to +70° C	-30° C to +70° C	-30° C to +70° C
	Operating Humidity	20 to 80 % (non-condensing)	20 to 85 % (non-condensing)	20 to 85 % (non-condensing)	20 to 85 % (non-condensing)
	Storage Humidity	20 to 80 % (non-condensing)	20 to 85 % (non-condensing)	20 to 85 % (non-condensing)	20 to 85 % (non-condensing)
	Dimensions (W x H x D) (approx.)	210 mm x 44 mm x 250 mm (without projecting parts)	486 mm x 41.3 mm 216 mm	64 mm x 97 mm 25 mm	64 mm x 97 mm 25 mm
	Mass (approx.)	1.10 kg	2.8 kg	0.11 kg	0.11 kg
	Supplied Accessories	AC adaptor (x1), Installation manual (x1), I/O port connector (x1), CD-ROM (User's Guide and supplied programs) (x1), B&P Warranty booklet (x1), power code (*J/CN only) (x1)	Power adapter	Composite video cable adapter, Power cable adapter (no power adapter supplied)	Composite video cable adapter, Power cable adapter (no power adapter supplied)
	PrimeSupport	3 Year	Supplier warranty	Supplier warranty	Supplier warranty

Indication:
 *) Depends on environmental condition and kind and quality of the used cable.

Z-Series Cameras



		Z-Series (iPELA Hybrid)					
		Fixed Camera	Fixed Dome	Fixed Dome	PTZ Dome	Rapid Dome	
Specifications		SNC-ZB550	SNC-ZM550	SNC-ZM551	SNC-ZP550	SNC-ZR550	
Features	Indoor/Outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	
	Build In Heater	-	-	-	-	-	
	IR Illuminators (Typ. Range)	-	-	-	-	-	
	Vandal Resistant	-	-	IK10	-	-	
	Ingress Protection	-	-	-	-	-	
	Day/Night	Optical Day/Night	Optical Day/Night	Optical Day/Night	Optical Day/Night	Optical Day/Night	
	Maximum Frame Rate	30 fps	30 fps	30 fps	30 fps	30 fps	
	Image Stabilizer	-	-	-	-	-	
	Dynamic Range *1)	> 60 dB	> 60 dB	> 60 dB	DynaView (86 dB WDR)	DynaView (86 dB WDR)	
	Image Enhancement	-	-	-	-	-	
Camera	Backlight Compensation	Yes	Yes	Yes	via DynaView	via DynaView	
	Edge Storage	SD	-	-	Yes	Yes	
	WLAN Ready	-	-	-	-	-	
	ONVIF	Profile S	Profile S	Profile S	Profile S	Profile S	
	Image Device	1/3" Exmor CMOS Sensor	1/3" Exmor CMOS Sensor	1/3" Exmor CMOS Sensor	1/4" Exmor CMOS Sensor	1/4" Exmor CMOS Sensor	
	Maximum Resolution	HD/1,3 MP	HD/1,3 MP	HD/1,3 MP	HD/1 MP	HD/1 MP	
	Color Signal System	NTSC/PAL (switchable)	NTSC/PAL (switchable)	NTSC/PAL (switchable)	NTSC/PAL (switchable)	NTSC/PAL (switchable)	
	Minimum Illumination Color	50 IRE	0.5 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.5 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.5 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	1.0 lx (F1.35, shutter 1/30 sec., AGC 42 dB)	1.0 lx (F1.35, shutter 1/30 sec., AGC 42 dB)
		30 IRE	0.3 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.3 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.3 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.7 lx (F1.35, shutter 1/30 sec., AGC 42 dB)	0.7 lx (F1.35, shutter 1/30 sec., AGC 42 dB)
	Minimum Illumination B/W	50 IRE	0.3 lx (F1.2, shutter 1/30 sec., AGC 42 dB, Night Mode)	0.3 lx (F1.2, shutter 1/30 sec., AGC 42 dB, Night Mode)	0.3 lx (F1.2, shutter 1/30 sec., AGC 42 dB, Night Mode)	0.1 lx (F1.2, shutter 1/30 sec., AGC 42 dB, Night Mode)	0.1 lx (F1.2, shutter 1/30 sec., AGC 42 dB, Night Mode)
30 IRE		0.2 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.2 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.2 lx (F1.2, shutter 1/30 sec., AGC 42 dB)	0.07 lx (F1.2, shutter 1/30 sec., AGC 42 dB, Night Mode)	0.07 lx (F1.2, shutter 1/30 sec., AGC 42 dB, Night Mode)	
Lens	Noise Reduction	Yes	Yes	Yes	Yes	Yes	
	Shutter Speed	1 to 1/10,000 s	1 to 1/10,000 s	1 to 1/10,000 s	1 to 1/10,000 s	1 to 1/10,000 s	
	E-Flip	-	-	-	Yes	Yes (Autoflip)	
	Lens Type	CS Mount Vari-Focal Lens	Built-In Vari-Focal Lens	Built-In Vari-Focal Lens	Auto-Focus Zoom Lens	Auto-Focus Zoom Lens	
	Powered Focus/Zoom	Easy Focus / -	Easy Focus/Easy Zoom	Easy Focus/Easy Zoom	Yes/Yes	Yes/Yes	
	Zoom Ratio	Optical Zoom 2.9 x	Optical Zoom 2.9 x	Optical Zoom 2.9 x	Optical Zoom 28 x, Digital Zoom 12 x	Optical Zoom 28 x, Digital Zoom 12 x	
	Angle of View (H)	96.5° to 33.9°	85.4° to 31.2°	85.4° to 31.2°	55.9° to 2.1°	55.9° to 2.1°	
	Focal Length	f = 2.8 mm to 8.0 mm	f = 3.1 mm to 8.9 mm	f = 3.1 mm to 8.9 mm	f = 3.5 mm to 98.0 mm	f = 3.5 mm to 98.0 mm	
	F-Number	F1.2 to F1.9	F1.2 to F2.1	F1.2 to F2.1	F1.35 to F3.7	F1.35 to F3.7	
	Minimum Object Distance	300 mm	300 mm	300 mm	10 mm (wide) to 1500 mm (tele)	10 mm (wide) to 1500 mm (tele)	
Codec	Pan/Tilt Range	- / -	±180°/0°-70°	±180°/0°-70°	340°/105°	360° endless/21° with e-flip	
	Pan/Tilt Speed	-	-	-	300°/s max.	300°/s max.	
	Preset/Tour	-	-	-	256 / 5	256 / 5	
	Video Compression Format	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	
	Streaming Capability *2)	Dual Streaming	Dual Streaming	Dual Streaming	Dual Streaming	Dual Streaming	
	CBR/VBR	Yes / -	Yes / -	Yes / -	Yes / -	Yes / -	
	Codec Image Size (H x V)	1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192	1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192	1280 x 1024, 1280 x 960, 1280 x 800, 1280 x 720, 1024 x 768, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192	1280 x 720, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192	1280 x 720, 1024 x 576, 800 x 600, 800 x 480, 768 x 576, 720 x 576, 704 x 576, 720 x 480, 640 x 480, 640 x 368, 384 x 288, 320 x 240, 320 x 192	
	Frame Rates/Resolution	H.264: 30 fps (1280 x 720), MPEG4: 30 fps (1280 x 720), JPEG: 30 fps (1280 x 720)	H.264: 30 fps (1280 x 720), MPEG4: 30 fps (1280 x 720), JPEG: 30 fps (1280 x 720)	H.264: 30 fps (1280 x 720), MPEG4: 30 fps (1280 x 720), JPEG: 30 fps (1280 x 720)	H.264: 30 fps (1280 x 720), MPEG4: 30 fps (1280 x 720), JPEG: 30 fps (1280 x 720)	H.264: 30 fps (1280 x 720), MPEG4: 30 fps (1280 x 720), JPEG: 30 fps (1280 x 720)	
	Audio Compression	-	-	-	-	-	
	DEPA/DEPA Advanced	DEPA	DEPA	DEPA	DEPA	DEPA	
Scene Analytics	Intelligent Motion Detection	Yes	Yes	Yes	Yes	Yes	
	Face Detection	-	-	-	-	-	
	Filtering	-	-	-	-	-	
	Tamper Alarm	Yes	Yes	Yes	Yes	Yes	
	Privacy Masking	4 Areas	4 Areas	4 Areas	8 Areas	8 Areas	
	Advanced Audio Detection	-	-	-	-	-	
	Network	Protocols	IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)	IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)	IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client only), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)	IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)	IPv4, IPv6, UDP, TCP, ARP, ICMP, IGMP, HTTP, HTTPS, FTP (client/server), SMTP, DHCP, DNS, NTP, RTP/RTCP, RTSP, SNMP (MIB-2)
		IEEE 802.1x Authentication	1 x	1 x	1 x	1 x	1 x
		Number of Clients	5	5	5	5	

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V1/2013

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