

SONY

Video  
Security  
IP Line-up  
2014



**IPELA**  
**ENGINE**

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		Indoor											
		Fixed Cameras											
		C-Series	C-Series	X-Series	X-Series	E-Series	E-Series	E-Series	E-Series	V-Series	V-Series	V-Series	
Specifications		SNC-CX600	SNC-CX600W	SNC-CH110	SNC-CH210	SNC-EB600B	SNC-EB600	SNC-EB630B	SNC-EB630	SNC-VB600	SNC-VB630	SNC-VB635	
Features	IR Illuminators (Typ. Range)	-		-	-	-	-	-	-	-	-	-	
	White Illuminators (Typ. Range)	Yes (up to 3m)		-	-	-	-	-	-	-	-	-	
	Vandal Resist. / Ingrss Prot.	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
	Day/Night	Electrical Day/Night			Electrical Day/Night		Electrical Day/Night	Optical Day/Night	Electrical Day/Night	Optical Day/Night	Optical Day/Night		
	Maximum Frame Rate	30fps			30fps		30fps			60fps			
	Image Stabilizer	Yes		-	-	Yes			Yes				
	Dynamic Range	> 60dB		-	-	View-DR (90dB WDR)	View-DR (130dB WDR)	View-DR (90dB WDR)		View-DR (130dB WDR)	View-DR (90dB WDR)		
	Image Enhancement	Visibility Enhancer			-	-	Visibility Enhancer				Visibility Enhancer		
Edge Storage / Card slot	Yes / micro SD		- / -	- / -	- / -	- / -	- / -	- / -	- / -	Yes / SD/SDHC			
Camera	Image Device	1/4" Exmor CMOS Sensor		1/3.8" CMOS Sensor	1/2.8" Exmor CMOS Sensor	1/3" Exmor CMOS Sensor		1/2.9" Exmor CMOS Sensor		1/3" Exmor CMOS Sensor	1/2.9" Exmor CMOS Sensor	1/1.9" Exmor CMOS Sensor	
	Maximum Resolution	1280 x 720		1280 x 960	2048 x 1536	1280 x 1024		1920 x 1080		1280 x 1024	1920 x 1080		
	Min. Illumination Color *1)	50IRE	1.0 lx		5.0 lx	2.0	0.05 lx		0.1 lx		0.05 lx	0.1 lx	
		30IRE	0.5 lx		2.7 lx	1.5 lx	0.03 lx		0.06 lx		0.03 lx	0.06 lx	
	Min. Illumination B/W *1)	50IRE	-	-	-	-	0.04 lx		0.07 lx		0.04 lx	0.07 lx	
		30IRE	-	-	-	-	0.02 lx		0.05 lx		0.02 lx	0.05 lx	
Noise Reduction	XDNR		Yes		XDNR			XDNR					
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					
Lens	Lens Type	Built-In Fix Lens		Built-In Fix Lens		CS Mount Vari-Focal Lens				CS Mount Vari-Focal Lens		CS / C Mount (lens not supplied)	
	Zoom Ratio	-	-	-	-	Optical Zoom 2.7x, Digital Zoom 4x		Optical Zoom 2.9x, Digital Zoom 4x		Optical Zoom 2.9x, Digital Zoom 4x		Digital Zoom 4x	
	Angle of View (H)	120°		80.7°	88°	92.5° to 35.7°		114.2° to 40.0°		100° to 35.7°	114.2° to 40.0°	-	
	Focal Length	f = 1.83 mm		f = 2.34 mm	f = 3.3 mm	f = 3.0 to 8.0 mm		f = 2.8 to 8.0 mm		f = 2.8 to 8.0 mm		-	
	F-Number (Wide to Tele)	F2.0		F2.8	F2.8	F1.0 to F1.56		F1.2 to F1.95		F1.2 to F1.95		-	
	Pan / Tilt Range	- / -		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Codec	Video Compression Format	H.264, JPEG		H.264, MPEG-4, JPEG		H.264, JPEG				H.264, JPEG			
	Streaming Capability *2)	Triple Streaming		Dual Streaming		Triple Streaming				Triple Streaming			
	Max. Frame Rate / Resolution	30fps (1280 x 720)		30fps (1280 x 720)	15fps (1920 x 1080)	30fps (1280 x 1024)		30fps (1920 x 1080)		30fps (1280 x 1024)	60fps (1920 x 1080)		
	Audio Compression	G.711 / G.726 / AAC (16kHz,48kHz)		-	-	-	-	-	-	G.711 / G.726 / AAC (16kHz,48kHz)			
Analytics	Intelligent Motion Detection	Yes		Yes		Yes				Yes			
	Intelligent Motion Filtering	Yes		-	-	Yes				Yes			
	Face Detec. / Tamper Alarm	Yes / Yes		- / -	- / -	Yes / Yes				Yes / Yes			
Interface	Netw. IEEE 802.1x Authentication	Yes	Yes (wired only)	Yes		Yes				Yes			
	Ethernet	10/100 (RJ-45)	10/100 (RJ-45)	10/100 (RJ-45)		10/100 (RJ-45)				10/100 (RJ-45)			
	WLAN imbedded	-	IEEE802.11b/g/n	-	-	-	-	-	-	-	-	-	
	Audio In	Built-in Mic		-	-	-	-	-	-	Microphone / Line			
	Audio Line Out	Built-in Speaker		-	-	-	-	-	-	1x			
	Analog Video Out	-	-	Monitor out *3)		Monitor out *3)				Video Out			
Alarm Out / Sensor In	- / -	- / -	- / 1x		- / -	- / -	- / -	- / -	2x / 2x				
PIR Sensor	Yes		-	-	-	-	-	-	-	-	-		
General	Power Requirement	PoE IEEE802.3af	DC 5V	PoE IEEE802.3af		PoE IEEE802.3af				PoE IEEE802.3af, AC 24V, DC 12V			
	Power Consumption	5.0 W max.		2.4 W max.		5.0 W max.				6.0 W max.			
	Operating Temperature	0 °C to +50 °C	0 °C to +40 °C (wired only)	0 °C to +50 °C		-10 °C to +50 °C		-10 °C to +50 °C		-10 °C to +50 °C		-10 °C to +60 °C	
	Dimensions (approx.)	61 x 95 x 41 mm		ø 44 x 93 mm		72 x 63 x 188 mm (with lens)		72 x 63 x 199 mm (with lens)		72 x 63 x 199 mm (with lens)		79 x 74 x 145 mm (without lens)	

Indication: \*1) Open Aperture, View-DR OFF, VE OFF, AGC ON/Max, 1/30s, 30fps (if applicable).  
 \*2) Refer to the operation manual & release notes for details of how this interacts with other features.  
 \*3) The monitor output is intended for installation purpose only. Display ratio 4:3.

\*4) Power supply is generated from PowerDesine® 9501G by using 4 wires.  
 \*5) Mentioned temperature range is supported with heater enabled and with maximum power. See the relevant data sheet or installation manual for other options.

WARRANTY - All Sony Video Security Cameras come with a three year Prime Support Warranty with the option of registering this warranty for an additional two years.



	Indoor								Outdoor			Indoor	Outdoor							Indoor							Outdoor																						
	Fixed Dome Cameras								Fixed IR Bullet Cameras			Mini Dome Cameras				Fixed IR Dome Cameras			PTZ Domes			PTZ Rapid Domes				PTZ Rapid Domes																							
	E-Series	E-Series	E-Series	E-Series	V-Series	V-Series	V-Series	V-Series	E-Series	E-Series	V-Series	X-Series	X-Series	X-Series	X-Series	H-Series	E-Series	E-Series	V-Series	V-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	W-Series	W-Series	E-Series	W-Series	W-Series																		
	SNC-EM600	SNC-EM601	SNC-EM630	SNC-EM631	SNC-VM600	SNC-VM601	SNC-VM630	SNC-VM631	SNC-EB602R	SNC-EB632R	SNC-VB632D	SNC-XM631	SNC-XM632	SNC-XM636	SNC-XM637	SNC-HM662	SNC-EM602RC	SNC-EM632RC	SNC-VM602R	SNC-VM632R	SNC-EP521	SNC-EP550	SNC-EP580	SNC-ER521	SNC-ER550	SNC-ER580	SNC-WR600	SNC-WR630	SNC-ER585	SNC-WR602C	SNC-WR632C																		
Specifications																																																	
IR Illuminators (Typ. Range)									Yes (up to 25m)			Yes (up to 30m)				Yes (up to 30m)			-			-							-																				
White Illuminators (Typ. Range)									Yes (up to 5m)			-				-			-			-							-																				
Vandal Resist. / Ingress Prot.	- / -								IK10 / -			-				-			-			-							-																				
Day/Night	Optical Day/Night								Optical Day/Night			Optical Day/Night				Electrical Day/Night			30fps			Optical Day/Night							Optical Day/Night																				
Maximum Frame Rate	30fps								60fps			30fps				60fps			-			30fps							60fps																				
Image Stabilizer	Yes								Yes			Yes				Yes			-			Yes							Yes																				
Dynamic Range	View-DR (130dB WDR)								View-DR (90dB WDR)			View-DR (130dB WDR)				View-DR (90dB WDR)			-			DynaView (92dB WDR)							DynaView (86dB WDR)																				
Image Enhancement	Visibility Enhancer								Visibility Enhancer			Visibility Enhancer				-			-			-							-																				
Edge Storage / Card slot	- / -								Yes / SD/SDHC			-				-			-			-							-																				
Image Device	1/3" Exmor CMOS Sensor				1/2.9" Exmor CMOS Sensor				1/3" Exmor CMOS Sensor			1/2.9" Exmor CMOS Sensor			1/2.9" Exmor CMOS Sensor				2560 x 1920			1280 x 1024		1920 x 1080		1280 x 1024		1920 x 1080		1/4" EXview HAD CCD Sensor		1/4" Exmor CMOS Sensor		1/2.8 Exmor CMOS sensor		1/4" EXview HAD CCD Sensor		1/4" Exmor CMOS Sensor		1/2.8 Exmor CMOS sensor		1/3" Exmor CMOS Sensor		1/2.8 Exmor CMOS sensor		1/3" Exmor CMOS Sensor		1/2.8 Exmor CMOS sensor	
Maximum Resolution	1280 x 1024				1920 x 1080				1280 x 1024			1920 x 1080			1920 x 1080				0.7 lx			0.05 lx		0.1 lx		0.05 lx		0.1 lx		720 x 576		1280 x 720		1920 x 1080		720 x 576		1280 x 720		1920 x 1080		1280 x 720		1920 x 1080					
Min. Illumination Color *1)	50IRE		0.05 lx		0.1 lx		0.05 lx		0.1 lx		0.05 lx		0.1 lx		0.3 lx		0.05 lx		0.1 lx		0.03 lx		0.1 lx		0.03 lx		0.1 lx		1.4 lx		1.0 lx		1.7 lx		1.4 lx		1.0 lx		1.7 lx		1.0 lx		1.4 lx						
Min. Illumination B/W *1)	30IRE		0.03 lx		0.06 lx		0.03 lx		0.06 lx		0.03 lx		0.06 lx		0.18 lx		0.03 lx		0.1 lx		0.03 lx		0.1 lx		0.03 lx		0.1 lx		0.9 lx		0.7 lx		1.2 lx		0.9 lx		0.7 lx		1.2 lx		0.4 lx		1.0 lx						
Noise Reduction	XDNR								XDNR			XDNR				XDNR			1/5 to 1/32,000 s			1 to 1/10,000 s							1 to 1/10,000 s																				
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			Built-In Fix Lens			Built-In Vari-Focal Lens			Built-In Vari-Focal Lens							Built-In Vari-Focal Lens																	
Lens Type	Built-In Vari-Focal Lens								Built-In Vari-Focal Lens			Built-In Vari-Focal Lens				Built-In Fixed M12 (interchangeable)			Digital Zoom 12x			Optical Zoom 3x, Digital Zoom 4x			Optical Zoom 3x, Digital Zoom 4x							Auto-Focus Zoom Lens																	
Zoom Ratio	Optical Zoom 3x, Digital Zoom 4x								Optical Zoom 3x, Digital Zoom 4x			Optical Zoom 3x, Digital Zoom 4x				Digital Zoom 4x			182° Hemispheric			92.9° to 31.8°			105.3° to 35.6°							Optical Zoom 30x, Digital Zoom 12x																	
Angle of View (H)	92.9° to 31.8°				105.3° to 35.6°				92.9° to 31.8°			105.3° to 35.6°			113°				f = 0.98 to 1.12 mm			f = 3.0 to 9.0 mm			f = 3.0 to 9.0 mm							57.8° to 1.7°																	
Focal Length	f = 3.0 to 9.0 mm								f = 3.0 mm to 9.0 mm			f = 3.0 to 9.0 mm				f = 2.8 mm			f = 2.8 mm			F2.0			F1.2 to F2.1			F1.2 to F2.1							f = 4.3 to 129.0 mm														
F-Number (Wide to Tele)	F1.2 to F2.1								F1.2 to F2.1			F1.2 to F2.1				F2.0			F2.0			F2.2			-			±192° / -7°-75°							±192° / -7°-75°														
Pan / Tilt Range	±192° / -7°-75°								±192° / -7°-75°			-				±175° / 0° to +60°			±30° / 0° to +90°			H.264, JPEG			H.264, JPEG							340° / 105°																	
Video Compression Format	H.264, JPEG								H.264, JPEG			H.264, JPEG				H.264, JPEG			Triple Streaming			Triple Streaming			H.264, MPEG-4, JPEG							H.264, JPEG																	
Streaming Capability *2)	Triple Streaming								Triple Streaming			Triple Streaming				Triple Streaming			13fps (2560 x 1920)			Triple Streaming			Triple Streaming							Triple Streaming																	
Max. Frame Rate / Resolution	30fps (1280 x 1024)				30fps (1920 x 1080)				60fps (1280 x 1024)			60fps (1920 x 1080)			30fps (1280 x 1024)				30fps (1920 x 1080)			30fps (1280 x 1024)			60fps (1280 x 1024)		60fps (1920 x 1080)		25fps (720 x 576)		30fps (1280 x 720)		30fps (1920 x 1080)		25fps (720 x 576)		30fps (1280 x 720)		30fps (1920 x 1080)		60fps (1280 x 720)		60fps (1920 x 1080)						
Audio Compression	-								G.711 / G.726 / AAC (16kHz,48kHz)			-				G.711 / G.726 / AAC (16kHz,48kHz)			-			G.711 / G.726							G.711 / G.726																				
Intelligent Motion Detection	Yes								Yes			Yes				Yes			Yes			Yes							Yes																				
Intelligent Motion Filtering	Yes								Yes			Yes				Yes			Yes			Yes							Yes																				
Face Detect. / Tamper Alarm	Yes / Yes								Yes / Yes			Yes / Yes				Yes / Yes			-			Yes / Yes							Yes / Yes																				
IEEE 802.1x Authentication	Yes								Yes			Yes				Yes			Yes							Yes																							
Ethernet	10/100 (RJ-45)								10/100 (RJ-45)			10/100 (RJ-45)				10/100 (RJ-45)			10/100 (RJ-45)			10/100 (RJ-45)							10/100 (RJ-45)																				
WLAN Imbedded	-								-			-				-			-							-																							
Audio In	-								Microphone / Line			-				Built-in Mic			-			Microphone / Line							Microphone / Line																				
Audio Line Out	-								1x			-				-			1x							1x																							
Analog Video Out	-								Video Out			-				-			-							-																							
Alarm Out / Sensor In	-								2x / 2x			-				-			-							-																							
PIR Sensor	-								-			-				-			-							-																							
Power Requirement	PoE IEEE802.3af				PoE IEEE802.3af, AC 24V, DC 12V				PoE IEEE802.3af			PoE IEEE802.3af, AC 24V, DC 12V			PoE IEEE802.3af				PoE IEEE802.3af/at, DC 12V			HPoE IEEE802.3af, AC 24V							HPoE IEEE802.3af, AC 24V, DC 12V																				
Power Consumption	5.0 W max.				6.0 W max.				10.0 W max.			11.4 W max.			21 W max.				4.0 W max.			10 W max.							6.0 W max.																				
Operating Temperature	-10 °C to +50 °C								-10 °C to +50 °C			-30 °C to +50 °C *5)				-40 °C to +60 °C *6)			-10 °C to +50 °C			-25 °C to +50 °C *5)							-30 °C to +50 °C																				
Dimensions (approx.)	ø 148 x 108 mm								ø 148 x 108 mm			ø 140 x 313.4 mm (including arm)				ø 140 x 313.4 mm (including arm)			ø 104.5 x 56.5 mm			ø 114 x 47 mm							ø 145 x 54 mm (without mounting plate)																				

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Indication: \*1) Open Aperture, View-DR OFF, VE OFF, AGC ON/Max, 1/30s, 30fps (if applicable). \*2) Refer to the operation manual & release notes for details of how this interacts with other features. \*3) The monitor output is intended for installation purpose only. Display ratio 4:3.

\*4) Power supply is generated from PowerDesiner® 9501G by using 4 wires. \*5) Mentioned temperature range is supported with heater enabled and with maximum power. See the relevant data sheet or installation manual for other options.

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PELA ENGINE DEPA Advanced ONVIF HD FULL HD 1080





## Extra peace of mind with PrimeSupport

Your investment in Video Security with Sony is safeguarded with PrimeSupport. Offered in addition to the standard manufacturer's warranty, our unique after-sales service provides extra protection to keep you up and running, plus valuable peace of mind.

All network cameras and encoders are covered by 3 years PrimeSupport. This offers telephone assistance via our multilingual hot-line, plus no-cost replacement in the event of a faulty unit. IP Recorders and VMS Software are offered with 1 year PrimeSupport as standard.

You can enjoy the benefits of PrimeSupport for even longer with an optional 2 year extension, or a choice of specially tailored after-care packages.



For more information on Sony Prime Support visit [pro.sony.eu/primesupport](http://pro.sony.eu/primesupport)

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**SONY**

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