

SONY

Video Security IP Line-up



**IPELA
ENGINE**

pro.sony.eu/videosecurity





		Indoor										
		Fixed Cameras										
		C-Series	C-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-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	Electronic Day/Night		Electronic Day/Night	Electronic Day/Night	True Day/Night	Electronic Day/Night	True Day/Night	True Day/Night			
	Maximum Frame Rate	30fps		30fps	30fps	30fps	30fps	30fps	60fps			
	Image Stabilizer	Yes		-	Yes	Yes	Yes	Yes	Yes			
	Wyde 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		Visibility Enhancer		Visibility Enhancer		
Edge Storage / Card type	Yes / micro SD		- / -	- / -	- / -	- / -	- / -	Yes / SD / SDHC				
Camera	Image Device	1/4-type Exmor CMOS Sensor		1/3.8-type CMOS Sensor	1/3-type Exmor CMOS Sensor	1/3-type Exmor CMOS Sensor	1/2.9-type Exmor CMOS Sensor		1/3-type Exmor CMOS Sensor	1/2.9-type Exmor CMOS Sensor	1/1.9-type Exmor CMOS Sensor	
	Maximum Resolution	1280 x 720		1280 x 960	1280 x 1024	1280 x 1024	1920 x 1080		1280 x 1024	1920 x 1080		
	Min. Illumination Color *1)	50IRE	1,0 lx	1,0 lx	5,0 lx	0,05 lx	0,05 lx	0,1 lx		0,05 lx	0,1 lx	0,04 lx
		30IRE	0,5 lx	0,5 lx	2,7 lx	0,03 lx	0,03 lx	0,06 lx		0,03 lx	0,06 lx	0,02 lx
	Min. Illumination B/W *1)	50IRE	-	-	-	0,04 lx	0,04 lx	0,07 lx		0,04 lx	0,07 lx	0,03 lx
		30IRE	-	-	-	0,02 lx	0,02 lx	0,05 lx		0,02 lx	0,05 lx	0,01 lx
Noise Reduction	XDNR		Yes	XDNR	XDNR	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		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 Mount Vari-Focal Lens		CS / C Mount (lens not supplied)	
	Zoom Ratio Optical / Digital	- / -	- / -	- / -	2.7x / 4x	2.7x / 4x	2.9x / 4x		2.9x / 4x		- / 4x	
	Angle of View (H)	120°		80,7°	92,5° to 35,7°	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 = 3.0 to 8.0 mm		f = 3.0 to 8.0 mm		f = 2.8 to 8.0 mm		-	
	F-Number (Wide to Tele)	F2.0		F2.8	F1.0 to F1.56		F1.0 to F1.56		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		H.264, JPEG			
	Streaming Capability *2)	Triple Streaming		Dual Streaming	Triple Streaming		Triple Streaming		Triple Streaming			
	Max. Frame Rate / Resolution	30fps (1280 x 720)		30fps (1280 x 720)	30fps (1280 x 1024)	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	Yes		Yes			
	Scene Analytics	Yes		-	Yes	Yes	Yes		Yes			
	Face Detection / Tamper Alarm	Yes / Yes		- / -	Yes / Yes	Yes / Yes	Yes / Yes		Yes / Yes			
Netw.	IEEE 802.1x Authentication	Yes	Yes (wired only)	Yes	Yes	Yes	Yes		Yes			
Interface	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)			
	WLAN imbedded / Prepared	-	Yes / -	-	-	-	-	-	-	-	-	
	Audio In	Built-in Mic		-	-	-	-	-	Microphone / Line			
	Audio Line Out	Built-in Speaker		-	-	-	-	-	1x			
	Analog Video Out	-	-	Monitor out *3	Monitor out *3		Monitor out *3		Video Out			
	HDMI Out	-	-	-	-	-	-	-	-	-	-	
	Alarm Out / Sensor In	- / -	- / -	- / 1x	- / -	- / -	- / -	- / -	2x / 2x			
	PIR Sensor	Yes	Yes	-	-	-	-	-	-	-	-	
General	Power Requirement	PoE IEEE802.3af	DC 5V	PoE IEEE802.3af	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.		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 +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 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. *6) For setup with mobile devices. Optional WLAN Module IFU-WLM3 required.

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																																																	
	Fixed Dome Cameras									Mini Dome Cameras					Fixed IR Dome Cameras					Fixed IR Bullet 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	V-Series	X-Series	X-Series	X-Series	X-Series	H-Series	E-Series	E-Series	V-Series	V-Series	V-Series	E-Series	E-Series	V-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series	E-Series																																					
	SNC-EM600	SNC-EM601	SNC-EM630	SNC-EM631	SNC-VM600	SNC-VM601	SNC-VM630	SNC-VM631	SNC-VM631	SNC-XM631	SNC-XM632	SNC-XM636	SNC-XM637	SNC-HM662	SNC-EM602RC	SNC-EM632RC	SNC-VM602R	SNC-VM632R	SNC-VM772R	SNC-EB602R	SNC-EB632R	SNC-VB632D	SNC-EP521	SNC-EP550	SNC-EP580	SNC-ER521	SNC-ER550	SNC-ER580	SNC-WR600	SNC-WR630	SNC-ER585	SNC-WR602C	SNC-WR632C	SNC-ER585	SNC-WR602C	SNC-WR632C																																							
Specifications																																																																											
IR Illuminators (Typ. Range)																																																																											
White Illuminators (Typ. Range)																																																																											
Vandal Resist. / Ingress Prot.																																																																											
Day/Night	True Day/Night									Electronic Day/Night					Electronic Day/Night					True Day/Night			Optical Day/Night						True Day/Night																																														
Maximum Frame Rate	30fps									60fps					60fps					30fps			30fps						60fps																																														
Image Stabilizer	Yes									Yes					Yes					Yes			Yes						Yes																																														
Wide 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					Visibility Enhancer			Visibility Enhancer						Visibility Enhancer, De-Fog																																														
Edge Storage / Card type	- / -									Yes / SD/SDHC					Yes / SD/SDHC					Yes / SD/SDHC			Yes / SD/SDHC						Yes / SD/SDHC																																														
Image Device	1/3-type Exmor CMOS Sensor			1/2.9-type Exmor CMOS Sensor			1/3-type Exmor CMOS Sensor			1/2.9-type Exmor CMOS Sensor			1/2.9-type Exmor CMOS Sensor			1/2.5-type Exmor CMOS Sensor			1/3-type Exmor CMOS Sensor			1/2.9-type Exmor CMOS Sensor			1/2.9-type Exmor CMOS Sensor			1/4-type ExView HAD CCD Sensor			1/4-type Exmor CMOS Sensor			1/2.8-type Exmor CMOS sensor			1/3-type Exmor CMOS sensor			1/2.8-type Exmor CMOS sensor																																			
Maximum Resolution	1280 x 1024			1920 x 1080			1280 x 1024			1920 x 1080			1920 x 1080			2560 x 1920			1280 x 1024			1920 x 1080			5472 x 3648			1280 x 1024			1920 x 1080			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			0.3 lx			0.7 lx			0.05 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx																													
Min. Illumination B/W *1)	50IRE 0.04 lx			0.07 lx			0.04 lx			0.07 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx			0.1 lx																													
Noise Reduction	XDNR									XDNR					XDNR					XDNR			Yes						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			1 to 1/10,000 s						1 to 1/10,000 s																																														
Lens Type	Built-In Vari-Focal Lens									Built-In Vari-Focal Lens					Built-In Fixed M12 (Interchangeable)			Built-In Fixed M12 (Interchangeable)			Built-In Vari-Focal Lens			Built-In Vari-Focal Lens			Auto-Focus Zoom Lens						Auto-Focus Zoom Lens																																										
Zoom Ratio Optical / Digital	3x / 4x									3x / 4x					- / 4x			- / 4x			- / 12x			3x / 4x			3x / 4x			3x / 4x						3x / 4x																																							
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°			113°			83°			113°			182° Hemispheric			92.9° to 31.8°			105.3° to 35.6°			92.9° to 31.8°			105.3° to 35.6°			70.7° to 27.5°			92.9° to 31.8°			105.3° to 35.6°			105.3° to 35.6°			57.8° to 1.7°			55.9° to 2.1°			55.4° to 2.9°			57.8° to 1.7°			55.9° to 2.1°			55.4° to 2.9°			58.3° to 2.1°			63.7° to 2.3°		
Focal Length	f = 3.0 to 9.0 mm									f = 3.0 mm to 9.0 mm					f = 2.8 mm			f = 2.8 mm			f = 3.8 mm			f = 2.8 mm			f = 0.98 to 1.12 mm			f = 3.0 to 9.0 mm			f = 3.0 to 9.0 mm			f = 8.8 to 25.7 mm			f = 3.0 to 9.0 mm			f = 3.0 to 9.0 mm			f = 3.4 to 122.4 mm			f = 3.5 to 98.0 mm			f = 4.7 to 94.0 mm			f = 3.4 to 122.4 mm			f = 3.5 to 98.0 mm			f = 4.7 to 94.0 mm			f = 4.3 to 129.0 mm			f = 4.3 to 129.0 mm									
F-Number (Wide to Tele)	F1.2 to F2.1									F1.2 to F2.1					F2.0			F2.0			F2.2			F2.0			F1.2 to F2.1			F1.2 to F2.1			F1.8 to F2.8			F1.2 to F2.1			F1.2 to F2.1			F1.6 to F4.5			F1.35 to F3.7			F1.6 to F3.5			F1.6 to F4.5			F1.35 to F3.7			F1.6 to F3.5			F1.6 to F4.7			F1.6 to F4.7												
Pan / Tilt Range	±192° / -7°-75°									±192° / -7°-75°					±175° / 0° to +60°			±30° / 0° to +90°			- / -			±192° / -7°-75°			±192° / -7°-75°			±192° / -10°-81°			- / -			- / -			- / -			340° / 105°						360° endless / 210° with Auto-Flip			360° endless / 220° with Auto-Flip																								
Video Compression Format	H.264, JPEG									H.264, JPEG					H.264, JPEG			H.264, JPEG			H.264, JPEG			H.264, JPEG			H.264, JPEG			H.264, MPEG-4, JPEG Dual Streaming						H.264, JPEG			H.264, MPEG-4, JPEG			H.264, JPEG																																	
Streaming Capability *2)	Triple Streaming									Triple Streaming					Triple Streaming			Triple Streaming			Triple Streaming			Triple Streaming			Triple Streaming			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 (1920 x 1080)			30fps (1920 x 1080)			30fps (1280 x 1024)			60fps (1280 x 1024)			60fps (1920 x 1080)			30fps (1280 x 1024)			30fps (1920 x 1080)			60fps (1920 x 1080)			25fps (720 x 576)			30fps (1280 x 720)			30fps (1920 x 1080)			60fps (1280 x 720)			60fps (1920 x 1080)			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 / AAC (32kHz, 44, 1kHz)			-			G.711 / G.726 / AAC (16kHz, 48kHz)			G.711 / G.726 / AAC (16kHz, 48kHz)			G.711 / G.726						G.711 / G.726 / AAC (16kHz, 48kHz)			G.711 / G.726			G.711 / G.726 / AAC (16kHz, 48kHz)																														
Intelligent Motion Detection	Yes									Yes					Yes			Yes			Yes			Yes			Yes			Yes			Yes						Yes																																				
Scene Analytics	Yes									Yes					Yes			Yes			Yes			Yes			Yes			Yes			Yes						Yes																																				
Face Detection / Tamper Alarm	Yes / Yes									Yes / Yes					Yes / Yes			Yes / Yes			- / Yes			Yes / Yes			Yes / Yes			Yes / Yes			- / Yes						Yes / Yes																																				
New: IEEE 802.1x Authentication	Yes									Yes					Yes			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)			10/100 (RJ-45)						10/100 (RJ-45)																																							
WLAN Imbedded / Prepared	-									-					-			-			- / Yes *6			-			-			-						-																																							
Audio In	-									Microphone / Line					-			Built-in Mic. / Mic In			-			Microphone / Line			-			Microphone						Microphone / Line																																							
Audio Line Out	-									1x					-			-			1x			-			-			1x						1x																																							
Analog Video Out	-									Monitor out *3					-			-			-			-			-			1x						1x																																							
HDMI Out	-									-					-			-			-			-			-			-						-																																							
Alarm Out / Sensor In	- / -									2x / 2x					1x / 1x			- / -			- / -			2x / 2x			- / -			- / -			2x / 2x						1x / 2x																																				
PIR Sensor	-									-					-			-			-			-			-			-						-																																							
Power Requirement	PoE IEEE802.3af									PoE IEEE802.3af, AC 24V, DC 12V					PoE IEEE802.3af			PoE IEEE802.3af			PoE IEEE802.3af / at, DC 12V			PoE IEEE802.3af / at, AC 24V, DC 12V			PoE IEEE802.3af / at, AC 24V, DC 12V			HPoE IEEE802.3at, AC 24V						HPoE IEEE802.3at, AC 24V, DC 12V			AC 24V			HPoE+ *4, AC 24V																																	
Power Consumption	5.0 W max.									6.0 W max.					4.0 W max.			10 W max.			6.0 W max.			17 W max.			22 W max. (12/24V only)			12.95 W max.			10.0 W max.			11.4 W max.			21 W max.			25 W max.						25 W max.			76 W max. (24V only)			80 W max. (24V only)																					
Operating Temperature	-10 °C to +50 °C									-10 °C to +50 °C					-10 °C to +50 °C			-25 °C to +50 °C *5			-30 °C to +50 °C			-40 °C to +50 °C *5			-40 °C to +60 °C *5			-40 °C to +50 °C			-30 °C to +50 °C *5			-40 °C to +60 °C *5			-5 °C to +50 °C						-5 °C to +50 °C			-40 °C to +60 °C *5			-40 °C to +50 °C *5																								
Dimensions (approx.)	ø 148 x 108 mm									ø 148 x 108 mm					ø 104.5 x 56.5 mm			ø 114 x 47 mm			ø 145 x 54 mm (without mounting plate)			ø 166 x 128 mm			ø 166 x 128 mm			ø 190 x 147 mm			ø 140 x 313.4 mm (including arm)			ø 140 x 313.4 mm (including arm)						ø 147.4 x 190.9 mm			ø 146 x 205 mm			ø 222 x 324 mm			ø 222 x 324 mm																								

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.

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 PowerDesigner® 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. *6) For setup with mobile devices. Optional WLAN Module (WU-WM3) required.

© 2015 Sony Corporation. All rights reserved. Reproduction in whole or in part without permission is prohibited. Features and specifications are subject to change without notice. All non-metric weights and measurements are approximate.

Sony, make.believe, iPELA, DynaView, Exwawe PRO, SuperExwawe, Exwawe HAD, Super HAD and DEPA are trademarks of Sony Corporation. All other trademarks are the property of their respective owners. Video Security IP-Line-up V1 (June 2015)





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

For more information visit:
pro.sony.eu/videosecurity

Follow us on Twitter:
[@SonySecurityEU](https://twitter.com/SonySecurityEU) / twitter.com/sonysecurityeu

SONY

About Sony PSE

Sony PSE is the leading supplier of AV/IT solutions to businesses across a wide variety of sectors including, **Media and Broadcast, Video Security and Retail, Transport & Large Venue markets**. It delivers products, systems and applications to enable the creation, manipulation and distribution of digital audio-visual content that add value to businesses and their customers. With over 25 years' experience in delivering innovative market-leading products, Sony PSE is ideally placed to deliver exceptional quality and value to its customers. **Sony's PSE** division, its systems integration arm, offers its customers access to the expertise and local knowledge of skilled professionals across Europe. Collaborating with a network of established technology partners, **Sony PSE** delivers end to end solutions that address the customer's needs, integrating software and systems to achieve each organisation's individual business goals. For more information please visit www.pro.sony.eu

© 2015 Sony Corporation. All rights reserved. Reproduction in whole or in part without permission is prohibited. Features and specifications are subject to change without notice. All non-metric weights and measurements are approximate. Sony is a trademark of Sony Corporation. HDMI and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. All other trademarks are the property of their respective owners.

V1/2015