

																			
	RUGGED								RUGGED					RUGGED					
	Indoor								Outdoor										
	Fixed Dome Cameras								Mini Dome Cameras					Fixed IR Dome Cameras					4K
	E-Series	E-Series	E-Series	E-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	
	SNC-EM600	SNC-EM601	SNC-EM630	SNC-EM631	SNC-VM600	SNC-VM601	SNC-VM630	SNC-VM631	SNC-XM631	SNC-XM632	SNC-XM636	SNC-XM637	SNC-HM662	SNC-EM602RC	SNC-EM632RC	SNC-VM602R	SNC-VM632R	SNC-VM772R	
IR Illuminators (Typ. Range)	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes (up to 30m)		Yes (up to 30m)		Yes (up to 30m)	
White Illuminators (Typ. Range)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vandal Resist. / Ingress Prot.	- / -	IK10 / -	- / -	IK10 / -	- / -	IK10 / -	- / -	IK10 / -	IK10 / -	IK10 / IP66			IK10 / IP66	IK10 / IP66		IK10 / IP66		IK10 / IP66	
Day/Night	True Day/Night				True Day/Night			True Day/Night	Electronic Day/Night	Electronic Day/Night			Electronic Day/Night	True Day/Night		True Day/Night		True Day/Night	
Maximum Frame Rate	30fps				60fps			60fps	30fps	30fps			30fps	30fps		60fps		30fps	
Image Stabilizer	Yes				Yes			Yes	Yes	Yes			-	Yes		Yes		Yes (optical)	
Wyde Dynamic Range	View-DR (130dB WDR)		View-DR (90dB WDR)		View-DR (130dB WDR)		View-DR (90dB WDR)		View-DR (90dB WDR)	View-DR (90dB WDR)			> 60dB	View-DR (130dB WDR)	View-DR (90dB WDR)	View-DR (130dB WDR)	View-DR (90dB WDR)	View-DR (90dB WDR)	
Image Enhancement	Visibility Enhancer				Visibility Enhancer			Visibility Enhancer	Visibility Enhancer	Visibility Enhancer			-	Visibility Enhancer		Visibility Enhancer		Visibility Enhancer	
Edge Storage / Card type	- / -	- / -	- / -	- / -	Yes / SD/SDHC			Yes / SD/SDHC	Yes / SD/SDHC	Yes / SD/SDHC			Yes / micro SD	- / -	- / -	Yes / SD/SDHC		Yes / SDHC / SDXC	
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	1/2.9-type Exmor CMOS Sensor			1/2.5-type Exmor CMOS Sensor	1/3-type Exmor CMOS Sensor	1/2.9-type Exmor CMOS Sensor	1/3-type Exmor CMOS Sensor	1/2.9-type Exmor CMOS Sensor	1.0-type Exmor R CMOS sensor	
Maximum Resolution	1280 x 1024		1920 x 1080		1280 x 1024		1920 x 1080		1920 x 1080	1920 x 1080			2560 x 1920	1280 x 1024	1920 x 1080	1280 x 1024	1920 x 1080	5472 x 3648	
Min. Illumination Color *1)	50IRE	0.05 lx	0.1 lx		0.05 lx		0.1 lx		0.3 lx	0.3 lx			0.7 lx	0.05 lx	0.1 lx	0.05 lx	0.1 lx	0.1 lx	
	30IRE	0.03 lx	0.06 lx		0.03 lx		0.06 lx		0.18 lx	0.18 lx			0.4 lx	0.03 lx	0.06 lx	0.03 lx	0.06 lx	0.06 lx	
Min. Illumination B/W *1)	50IRE	0.04 lx	0.07 lx		0.04 lx		0.07 lx		0.3 lx	0.3 lx			0.3 lx	0 lx (IR On)		0 lx (IR On)		0 lx (IR On)	
	30IRE	0.02 lx	0.05 lx		0.02 lx		0.05 lx		0.18 lx	0.18 lx			0.1 lx	0 lx (IR On)		0 lx (IR On)		0 lx (IR On)	
Noise Reduction	XDNR				XDNR			XDNR	XDNR	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			1/5 to 1/32,000 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 Fix Lens	Built-In Vari-Focal Lens		Built-In Vari-Focal Lens		Built-In Vari-Focal Lens		
Zoom Ratio Optical / Digital	3x / 4x				3x / 4x			- / 4x	- / 4x			- / 12x	3x / 4x		3x / 4x		2.9x / 2x		
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°	
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-Number (Wide to Tele)	F1.2 to F2.1				F1.2 to F2.1			F2.0	F2.0	F2.2	F2.0	F2.0	F1.2 to F2.1		F1.2 to F2.1		F1.8 to F2.8		
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°		
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, JPEG		
Streaming Capability *2)	Triple Streaming				Triple Streaming			Triple Streaming	Triple Streaming			Triple Streaming	Triple Streaming		Triple Streaming		5 Streams		
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)			13fps (2560 x 1920) 30 fps (1920 x 1080)	30fps (1280 x 1024)		60fps (1280 x 1024)	60fps (1920 x 1080)	30 fps (3840 x 2160)	
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)	
Intelligent Motion Detection	Yes				Yes			Yes	Yes			Yes	Yes		Yes		Yes		
Scene Analytics	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		
IEEE 802.1x Authentication	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 (M12)		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			Built-in Mic. / Mic In	-	-	Microphone / Line		Microphone / Line		
Audio Line Out	-	-	-	-	1x			-	-	-	-	1x	-	-	1x		-		
Analog Video Out	Monitor out *3				Video Out			-	-	-	-	-	Monitor out *3		Video Out		-		
HDMI Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Yes *2	
Alarm Out / Sensor In	- / -	- / -	- / -	- / -	2x / 2x			1x / 1x	- / -	- / -	- / -	1x / 1x	- / -	- / -	- / -	2x / 2x	-	2x / 2x	
PIR Sensor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Power Requirement	PoE IEEE802.3af				PoE IEEE802.3af, AC 24V, DC 12V			PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af (M12 connector)		PoE IEEE802.3af/at, DC 12V	PoE IEEE802.3af/at		PoE IEEE802.3af/at, AC 24V, DC 12V		PoE IEEE802.3af/at, AC 24V, DC 12V		
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.		
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 +50 °C *5		-40 °C to +50 °C		
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		