











# Quick Reference Guide: Panoramic Cameras



Fixed Indoor Cameras		Sarix Enhanced 3 IME Mini Domes with SureVision	Sarix Enhanced 3 Box with SureVision	Sarix Professional 3 IMP Mini Dome	Sarix Professional 3 IXP Box Camera
					
	Model/Item Number	IME238-1IRS (2.1 MP), IME338-1IRS (3.1 MP), IME332-1IRS (3.1 MP), IME539-1IRS (5.0 MP), IME839-1IRS (8.3 MP, 4K), IME832-1IRS (8.3 MP, 4K)	1XE23 (2 MP), IXE33 (3 MP), IXE 53 (5 MP), IXE83 (8 MP)	IMP131-1RS (1 MP); IMP231-1IS, IMP231-1IRS(2 MP); IMP331-1IS, IMP331-1IRS (3 MP); IMP531-1IS, IMP531-1IRS (5 MP)	IXP13 (1.2 MP), IXP23 (2.1MP), IXP33 (3.1 MP); IXP53 (5MP)
	Description	Sarix Enhanced 3 Indoor Mini Dome with SureVision	Sarix Enhanced Indoor Box with SureVision	Sarix Professional Indoor Mini Dome	Sarix Professional Box Camera
	Max Resolution	1920 x 1080 (2 MP), 2048 x 1536 (3 MP), 2592 x 1944 (5 MP), 3840 x 2160 (8 MP)	1920 x 1080 (2 MP), 2048 x 1536 (3 MP), 2592 x 1944 (5 MP), 3840 x 2160 (8 MP)	1280 x 960 (1.2 MP), 1920 x 1080 (2.1 MP), 2048 x 1536 (3.2 MP), 2592 x 1944 (5.0 MP)	1280 x 960 (1.2 MP), 1920 x 1080 (2.1 MP), 2048 x 1536 (3.1 MP), 2592 x 1944 (5.0 MP)
	Lens	2.8-8 / 4-9mm, 8-20 / 9-20mm	i-CS lenses available separately MI2.8-8.5P, MI3.9-10P, MI9-50P	3-10.5mm, varifocal	15-50mm, 2.8-8mm, 2.2-6mm, 2.8-8.5mm, 9-40mm
	WDR	Yes, up to 130 dB	Yes, 130dB	Yes, 120dB	Yes, 120dB
	IR Illumination	Yes, 40M	No	Yes, On selected models	No
	Image Stabilization	Yes	Yes	No	No
	Video Analytics	Enhanced Analytics suite. Capable of Advanced Learning analytics available separately.	Enhanced Analytics suite. Capable of Advanced Learning analytics available separately.	Pro Analytics suite.	Pro Analytics suite.
Power Input	PoE, 24 VAC, 12 VDC	PoE, 24 VAC, 12 VDC	PoE, 24 VAC, 12 VDC	PoE, 12VDC 24VAC	
Environment	Indoor, Vandal resistant, IK10+ 50J	Indoor	Indoor Vandal resistant IK10	Indoor	
Mounts	IME3ICM-E, IME3PM-E, IME3EBAP-E, WMVE-SW	C11-UM	WMVE-SW, IMPICM-1I, IMPPM-1I, IMPMB-1I	C11-UM	

Fixed Environmental		Sarix Enhanced 3 IME Mini Domes with SureVision	Sarix Enhanced 3 IBE Indoor Bullet with SureVision	Sarix Professional 3 Wedge camera	Sarix Professional 3 IMP Environmental w/IR Mini Dome	Sarix Professional 3 IBP IR Bullet	
							
	Model/Item Number	IME238-1ERS (2.1 MP), IME338-1ERS (3.1 MP), IME332-1ERS (3.1 MP), IME539-1ERS (5.0 MP), IME839-1ERS (8.3 MP, 4K), IME832-1ERS (8.3 MP, 4K)	IBE238-1ER (2.1 MP), IBE332-1ER (3.1 MP), IBE338-1ER (3.1 MP)	IWP133-1ERS (1MP); IWP233-1ERS, IWP232-1ERS IWP234-1ERS, IWP236-1ERS (2MP); IWP333-1ERS (3MP); IWP533-1ERS, IWP532-1ERS (5MP)	IMP131-1ERS (1.2 MP), IMP231-1ERS (2.1 MP), IMP331-1ERS (3.1 MP), IMP531-1ERS (5 MP)	IBP131-1ER (1.2 MP), IBP231-1ER (2.1 MP), IBP235-1ER (2.1 MP), IBP331-1ER (3.1 MP), IBP335-1ER (3.1 MP), IBP531-1ER (5 MP)	IBP232-1ER (2.1 MP), IBP532-1ER (5 MP)
	Description	Sarix Enhanced 3 Indoor Mini Dome with SureVision	Sarix Enhanced IR Environmental Bullet	Sarix Professional Environmental Wedge Dome	Sarix Professional Environmental Mini Dome with IR	Sarix Professional Environmental Bullet with IR	
	Max Resolution	1920 x 1080 (2.1 MP), 2048 x 1536 (3.1 MP), 2592 x 1944 (5.0 MP), 3840 x 2160 (8.3 MP, 4K)	1920 x 1080 (2.1 MP), 2048 x 1536 (3.1 MP)	1280 x 960 (1.2 MP), 1920 x 1080 (2.1 MP), 2048 x 1536 (3.1 MP), 2592 x 1944 (5.0 MP)	1280 x 960 (1.2 MP), 1920 x 1080 (2.1 MP), 2048 x 1536 (3.1 MP), 2592 x 1944 (5.0 MP)	1280 x 960 (1.2 MP), 1920 x 1080 (2.1 MP), 2048 x 1536 (3.1 MP), 2592 x 1944 (5.0 MP)	1920 x 1080 (2.1 MP), 2592 x 1944 (5.0 MP)
	Lens	2.8-8 / 4-9mm, 8-20 / 9-20mm	2.8-8mm, 4-9mm	2.4mm, 2.8mm, 4mm, 6mm	2.8-12mm, varifocal	2.8-12mm, varifocal	9-22mm (2.1MP); 7-22 (5MP)
	WDR	Yes, 130dB	Yes, 130dB	Yes, 120dB	Yes, 120dB	Yes, 120dB	
	IR Illumination	Yes, 40M	Yes	No	No	Yes	
	Image Stabilization	Yes	Yes	No	No	No	
	Video Analytics	Enhanced Analytics suite; Capable of Advanced Learning analytics available separately.	Enhanced Analytics suite; Capable of Advanced Learning analytics available separately.	Pro Analytics suite.	Pro Analytics suite.	Pro Analytics suite.	
Power Input	PoE, 24 VAC, 12 VDC	PoE, 24 VAC, 12 VDC	PoE	PoE+, 12VDC, 24 VAC	PoE+, 24 VAC, 12 VDC		
Environment	Environmental Vandal resistant (IK10+ 50J, IK10, IP66, IP67, IP69K)	Environmental Vandal resistant (IK10, IP66, IP67, IP69K)	Environmental / Vandal (IK10, IP66, IP67)	Environmental / Vandal (IK10, IP66, IP67)	Environmental / Vandal (IP66, IP67, IK10)		
Mounts	IME3ICM-E, IME3PM-E, IME3EBAP-E, WMVE-SW	IBP3-PLMT, IBP3BBAP-ES, IBP3BBAP-EI	IMP3PMB-1I, IMP3EBAP	WMVE-SR, IMP3ICM-1E, IMP3PM-1E	IBP3BBAP-EI, IBP3BBAP-ES, IBP3-PLMT		

# Quick Reference Guide: Panoramic Cameras









	Optera 180°   270°   360° Multi-Sensor Panoramic			Evolution 360° 12MP / 5MP Fisheye Panoramic					Evolution Mini 360° 5MP Fisheye Panoramic			Evolution 12MP 180°	
Model/Item Number	Optera 180° IMM12018-x	Optera 270° IMM12027-x	Optera 360° IMM12036-x	Indoor Concealed EVO-12NCD EVO-05NCD	Indoor EVO-12NID (White) EVO-12NJD (Black) EVO-05NID (White) EVO-05NJD (Black)	Outdoor EVO-12NMD (White) EVO-12NND (Black) EVO-05NMD (White) EVO-05NND (Black)	Recessed EVO-12NRD (White) EVO-12NSD (Black) EVO-05NRD (White) EVO-05NSD (Black)	Stainless Steel EVO12-SS2-P	Indoor Mini EVO-05LID (White) EVO-05LJD (Black)	Outdoor Mini EVO-05LMD (White) EVO-05LND (Black)	Recessed Mini EVO-05LRD (White) EVO-05LSD (Black)	Outdoor EVO-180-WED-P	Indoor EVO-180-WID-P
Description	12MP Optera 180° Vandal resist indoor & outdoor Cameras, Seamless Stitching, Immersive Views, WDR, Low-Light Performance	12MP Optera 270° Vandal resist indoor & outdoor Cameras, Seamless Stitching, Immersive Views, WDR, Low-Light Performance	12MP Optera 360° Vandal resist indoor & outdoor Cameras, Seamless Stitching, Immersive Views, WDR, Low-Light Performance	12MP / 5MP Evolution 360° Indoor Camera, Concealed Mount, Client-Side Dewarping, WDR, Low-Light	12MP / 5MP Evolution 360° Indoor Camera, Surface Mount, Client-Side Dewarping, WDR, Low-Light	12MP / 5MP Evolution 360° Outdoor Camera, Surface Mount, Client-Side Dewarping, WDR, Low-Light	12MP / 5MP Evolution 360° Mini Recessed Camera, Client-Side Dewarping, WDR, Low-Light	12MP Evolution 360° Stainless Steel Camera, IP69K, IK10+, NSF and HCV EU	5MP Evolution 360° Indoor Camera, Surface Mount, Client-Side Dewarping, WDR, Low-Light	5MP Evolution 360° Mini Outdoor Camera, Surface Mount, Client-Side Dewarping, WDR, Low-Light	5MP Evolution 360° Mini Recessed Camera, Client-Side Dewarping, WDR, Low-Light	Evolution 180° Outdoor 12MP Sensor with 6MP Dewarped Panoramic + View	
Max Resolution	2048 x 1536 x 4 (3.2 MP Per Sensor)			3200x3000 (12 MP), 2144x1944 (5.0 MP)					2144x1944 (5.0 MP)			3840 x 1536 (5.9 MP)	
Lens	180° FOV, FF 4.8mm f/2.0	270° FOV, FF 4.8mm f/2.0	360° FOV, FF 2.7mm f/2.5	185° FOV, f/2.0					185° f/2.0			187° f/2.4	187° f/2.4
WDR	120dB			60dB					60dB			60dB	
Video Analytics	Enhanced Analytics suite			Motion detection and Camera Sabotage					Motion detection and Camera Sabotage			Motion detection and Camera Sabotage	
Dome Size	Dome Ø <6.36" Bubble Ø :4.25"	Dome Ø <6.36" Bubble Ø :4.25"	Dome Ø <6.36" Bubble Ø :4.25"	Ø78mm (3.07") x 5mm (0.20") Exposed	179.1 x 160x65.6mm/ 7.05"x 6.3"x 2.58"	.2 x 159.2 x 109mm/ 7.0" x 6.2"x 4.29"	175mm (6.9") x 69mm (2.7")	Ø99mm (3.9") x 47mm (1.9")	Ø107mm (4.21") x 34mm (1.3")	Ø119mm (4.7") x 67mm (2.6")	Ø120mm (4.7") x 31mm (1.2")	220 x 160 x 138mm (8.7 x 6.5 x 5.4in.)	163 x 57 x 94mm (6.4 x 2.2 x 3.7in.)
Power Input	PoE+ (IEEE 802.3at, Class 4)			12 VDC, PoE (IEEE standard 802.3af)					PoE, 4W			12 VDC, PoE (IEEE 802.3af), 8W max	
Environment	Vandal Indoor & Outdoor models	Vandal Indoor & Outdoor models	Vandal Indoor & Outdoor models	Indoor	Indoor	Outdoor	Indoor	Outdoor Marine IP69K	Indoor	Outdoor, IK10	Indoor	IP66, IP67, IP68 (2m 30min), IP69K, IK10+	Indoor
Mounts	IMM-PNL, IMM-CM, IMM-DF5 WMVE-SR WMVE-WT/BK PA101			N/A	OBE-01 OBE-03 OBE-04, OBE-05	OBE-01, OBE-03, OBE-04, OBE-05, OBE-14	N/A	OBE-20	OBE-11 IK10+ vandal resistant bubble trim, OBE-16 M20 conduit back box, OBE-13 Pendant Mount Adapter			N/A	N/A






Panoramic Cameras



# Quick Reference Guide: PTZ Specialty Cameras



Positioning Camera Systems	Spectra® Enhanced with SureVision PTZ Dome				Spectra® 7 Enhanced with SureVision PTZ Dome				Spectra® Professional PTZ Dome				Spectra® Professional IR & IR 4K		Esprit® Enhanced IP Positioning Systems					
																				
Model/Item Number	30X	Environmental	Environmental/Stainless Steel	Indoor	S7230L-FW0, S7230L-FW1, S7230L-YB0, S7230L-YB1, S7230L-EW0, S7230L-EW1, S7230L-EB0, S7230L-EB1				20X	Environmental	Indoor	P2230L-ESR (2.1 MP), P2820-ESR (4K)		Enclosure Type	HPoE, 24 VAC, 48 VDC	100 to 240 VAC	IR Light only		Both IR & White Light	
Description	Full HD 1080p 60ips, High Speed PTZ Dome True Double Exposure WDR (up to 130dB, Ultra Low Light) 20x & 30x optical zoom, Lens Easy to drive, low latency PTZ, Single cable installation (PoE)				High-speed ptz, 30x, 2 Mpx, surevision and deep learning capable				Full HD 1080p 30ips, High Speed PTZ Dome, 20X optical zoom				Full HD 4K & 1080p 30/60ips, High Speed PTZ Dome, 20X optical zoom		Full HD 1080p 30ips, Up to 30X optical zoom, WDR, Built-In Analytics Suite, PTZ & Enclosure with Integrated Optics Package or Pressurized Integrated Optics Cartridge					
Max Resolution	1920 x 1080 (2.1MP)				1920 x 1080 (2.1MP)				1920 x 1080 (2.1MP)				2230 x 1080p(2.1MP) 2820 x 2160p(8.0MP)		1920 x 1080 (2.1 MP)					
Lens	4.3mm ~ 129.0mm, 30x optical zoom				f/1.6 ~ f/4.7, focal length 4.3 mm (wide) ~ 129.0 mm (tele)				4.3mm ~ 86.0mm, 20x optical zoom				2.1 MP: 4.3~129mm, 30x Optical zoom 4K: 4.4~8.4mm, 20x Optical zoom		4.3mm (wide) ~ 129.0mm (tele) 30x optical zoom					
Day/Night	Yes				Yes				Yes				Yes		Yes					
WDR	Yes, up to 130dB				Yes, Up to 130dB				Yes, 60dB				2.1 MP: WDR 120dB, 4K: HDR 72dB		Yes, 130dB					
Light Sensitivity	As low as 0.02 lux				As low as 0.013				0.3 lux				2.1 MP: 0.3 lux; 4K: 1.0 lux		0.03 lux					
Pan/Tilt Features	Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom Easy to drive, low latency PTZ				Proportional Pan/Tilt to drive, low latency PTZ, series 7 direct drive speeds up to 700°/sec, ±0.05° accuracy, and low maintenance				360° continuous pan/Proportional Pan/Tilt Continually Decreases Pan/Tilt Speeds in Proportion to Depth of Zoom				360° continuous pan, Tilt Range +15° to -90° Degrees		360° continuous pan rotation, vertical tilt unobstructed +40° to -90°					
Power Input	Series 6: 24 VAC, 24 VDC, PoE+, HPoE Series 7: 24 VAC, 48 VDC, PoE (802.3bt)				Series 7: 24 VAC, 48 VDC, PoE (802.3bt)				18 to 32 VAC; 24 VAC nominal, PoE+ (Indoor models)				18 to 32 VAC; 24 VAC nominal, PoE+ (Indoor models)		HPoE, 24 VAC, 48 VDC or 100 to 240 VAC at 50/60 Hz			48VDC or 100 to 240 VAC at 50/60 Hz		
Environment	Indoor / Outdoor				Indoor / Outdoor				Indoor / Outdoor / Stainless				Outdoor		Outdoor					
Mounts	SD5-P; SCA1; BB5-PCA-BK; BB5-PCA-GY; IWM; MRCA; PP350/PP351; SWM; IDM4012SS				SD5-P; SCA1; BB5-PCA-BK; BB5-PCA-GY; IWM; MRCA; PP350/PP351 SWM; IDM4012SS				IWM, WMVE, MRCA, PP350/PP351				IWM-SR, IWM24-SR, WMVE-SR, PP350/PP351		EPP2, EWM, EPM, ECM-101, PM2000/PM2010					

Specialty Cameras	ExSite® Enhanced		ExSite® Enhanced Fixed		Sarix IBD, High-Security Corner-Mount Camera		Sarix TI Fixed Thermal		Esprit TI PTZ Thermal			
												
Model/Item Number	EX P1230-4N, EXP1230-7N EXP1230-7M (2.1 MP)		EXF1230-4N, EXF1230-7N		Model/Item Number	IBD129-1 (1.2 MP), IBD329-1 (3.2 MP)		Model/Item Number	TI2314, TI2335, TI2350, TI2614, TI2635, TI2650		ESTI2619, ESTI2635, ESTI2650, ESTI26100	
Description	Explosion Proof PTZ				Description	Sarix Professional Environmental Wedge		Description	Sarix TI Fixed Thermal Fixed Camera		Esprit TI PTZ Thermal Camera	
Max Resolution	1920 x 1080 (2.1 MP)				Max Resolution	1280 x 960 (1.2 MP), 2048 x 1536 (3.2 MP)		Dual Channel	Yes - Visual/Thermal		No	
Lens	f/1.6 ~ f/4.7, focal length 4.3mm (wide) ~ 129.0mm (tele) (30x Optical, 12x Digital)				Lens	1.8mm		Max Resolution	HD 720p / QVGA and HD 720p / VGA models		VGA models	
Day/Night	Yes				Day/Night	Yes		Lens	52° visual / 14, 35, 50 mm thermal		19, 35, 50, and 100mm thermal options	
WDR	130dB				WDR	Yes, 90dB		Imager	Uncooled 17µ microbolometer 7.5 - 14µm		Uncooled 17µ microbolometer 7.5 - 14µm	
Light Sensitivity	Color (33 ms) 0.03 lux, Color (250 ms) 0.008 lux, Mono (33 ms) 0.004 lux, Mono (250 ms) 0.001 lux				IR Illumination	Yes		NETD	<40° mK		<50° mK	
Pan/Tilt Features	360° Continuous Pan Rotation, Tilt Range of +90° to -90° from Horizontal		N/A		Pan/Tilt Features	N/A		Power	24 VDC Nominal (12 to 32 VDC) or PoE+ (IEEE802.3at)		24 VDC Nominal (12 to 32 VDC)	
Power	48 VDC or 100-240 VAC				Power	PoE, 24 VAC, 12 VDC		Pan/Tilt	No		360° of continuous pan rotation. The tilt range is up to 90° to -30°	
Environment	IP66, IP67, IP68, NEMA Type 4X & Type 6				Environment	Vandal resistant, IK10+, 50 joule, IP66		Environment	IP66		IP66	
Mounts	WXM200, CMXM200, PXM200, PAXM200, AXM200				Mounts	Die cast aluminum, corner-mount design		Accessories	TICAB-P50, TIWM, TIPM		ESTICAB-P50, ESTIWM, ESTIPM, ESTIPA, ESTIPS-US, ESTIPS-EU	

