




















i3 CAMERA COMPARISON REFERENCE GUIDE

Model	IP FIXED DOMES				IP TURRET	IP MOTORIZED LENS DOMES			i3 MEDIA BRIDGE EXCLUSIVE		IP FISHEYE
	Ax47DC	Ax47R2	Ax67R4	M77R2	M74	M71	M75	M85	M76	M76M	M98
Image											
Camera type	Mini dome, fixed lens Back box: B7 V2			Mini dome, fixed lens. Back box: B77 V2, B77P	Turret Camera Back box: B74	Varifocal & motorized lens Back box: B71 & B71 V2	Varifocal & motorized lens Back box: B85	Varifocal & motorized lens Back box: B85	Mini dome, fixed lens. Back box: B76, B77P	Varifocal & motorized lens Back box: B85	Fisheye 360° dome. Back box: B98
Resolution	1.3MP 1280×960	1.3MP 1280×960	3MP 2048×1536	5MP 2592×1944	5MP 2592×1944	5MP 2592×1944	5MP 2880×1620	8MP/4K 3840×2160	5MP 2880×1620	5MP 2880×1620	12MP
Focal Length (Lens)	2.1mm	2.8mm	4mm	2.8mm	2.8mm	2.8-12mm	2.8-12mm	2.7-13.5mm	2.8mm	2.8-12mm	1.65mm
Iris Control	Auto Iris			Fixed	Fixed	Auto Iris	Auto Iris	Auto Iris	Auto Iris	Auto Iris	Fixed
Horizontal Field of View (HOV)	H: 115° V: 87°	H: 93° V: 70°	H: 68° V: 51°	H: 99° V: 82°	H: 100° V: 70°	H: 95° - 30° V: 79° - 23°	H: 113° - 35° V: 59° - 20°	H: 111° - 33° V: 57° - 18°	H: 110° V: 58°	H: 107° - 34° V: 55° - 19°	360°
IR Range	N/A	25m (82ft)		25m (82ft)	25m (82ft)	25m (82ft)	30m (98ft)	30m (98ft)	20m (65ft)	30m (98ft)	15m (49ft)
Wide Dynamic Range (WDR)	Digital			True	True	True	True	True	True	True	Digital
Minimum Illumination	0.3 lux (Color), 0.1 lux (BW)	0.3 lux (Color), 0.1 lux (BW), 0 lux w/ IR ON		0.02 lux (Color), 0 lux w/IR ON	0.02 lux @F1.6 (Color), 0 lux w/IR ON (BW)	0.007 lux @F1.2 (Color) 0.01 lux @F1.4 (Color) 0 lux w/IR ON	0.002 lux @F1.2 (Color) 0 lux w/IR ON	0.009 lux @F1.6 (Color) 0 lux w/IR ON	0.004 lux (Color), 0 lux w/IR ON	0.004 lux@F1.6 (Color) 0 lux w/IR ON	0.01 lux @F2.0 (Color) 0 lux w/ IR ON (BW)
Audio	N/A	N/A	N/A	N/A	N/A	1, Line Level	N/A	N/A	N/A	N/A	Built-in Microphone
Special Characteristics	Door Counting	Use with T-Grip	Corridor View	Edge Ai	Turret	Edge Ai; BNC output, Audio In/Out	White LED	4K	Compatible with i3 Media Bridge	Compatible with i3 Media Bridge	3 Modes, up to 5 channels
Compression	h.264/MJPEG			h.264/h.265/ MJPEG	h.264/h.265/MJPEG	h.264/h.265/MJPEG	h.264/h.265	h.264/h.265	h.264/h.265	h.264/h.265	h.264/h.265/MJPEG
Power Requirement	PoE			PoE	PoE	PoE	PoE	PoE	PoE	PoE	PoE
Power Consumption	6.5W	8.5W	8.5W	6W	7W	9W	9W	8W	5W	7W	10.5W
Operating Temperature	-20°C - 50°C -4°F - 122°F			-30°C - 50°C -22°F - 122°F	-30°C - 65°C -22°F - 149°F	-30°C - 50°C -22°F - 122°F	-35°C - 50°C -31°F - 122°F	-35°C - 50°C -31°F - 122°F	-35°C - 50°C -31°F - 122°F	-35°C - 50°C -31°F - 122°F	-30°C - 50°C -22°F - 122°F
Regulation, Rating	FCC Class B, CE, UL, IP67, IK09, ONVIF			FCC Class B, CE, ICES-003, IP67, IK10, ONVIF	FCC Class B, CE, IP67, ONVIF	FCC Class B, CE, IP67, IK10, ONVIF	FCC Class B, CE, IP67, IK10, ONVIF	FCC Class B, CE, IP67, IK10, ONVIF	FCC Class B, CE, IP67, IK10, ONVIF	FCC Class B, CE, IP67, IK10, ONVIF	FCC Class B, CE, IP67, ONVIF
Warranty	5 years				5 years	5 years			3 years		5 years

Model	IP LPR BULLET		IP BOX		HDA DOME CAMERAS			
	H59B2	H59B7	Ax63C	Ax83C	Am51v2	Am53	Am73	Am57
Image								
Camera type	Outdoor, LPR bullet camera, varifocal & motorized lens Back box: B59		Box camera, CS mount lenses sold separately		Plastic dome, indoor, vari-focal & motorized lens Mounting Plate: B11	Metal alloy, outdoor, vari-focal & motorized lens, no back box included	Metal alloy, outdoor, vari-focal & motorized lens, back box included	Metal alloy, outdoor, vari-focal & motorized lens, back box included
Resolution	2MP 1920×1080	2MP 1920×1080	3MP 2048×1536	8MP/4K 3840×2160	2MP 1920×1080	2MP 1920×1080	5MP 2560×1944	2MP 1920×1080
Focal Length (Lens)	2.8-12mm	7-22mm	L3 V2: 3MP, 2.8-10mm L16: 12MP, 10-50mm	L5: 5MP, 2.8-8.5mm L6: 8MP, 3.9-10mm L16: 12MP, 10-50mm	2.7-13.5mm			2.8-12mm
Iris Control	Auto Iris		Auto Iris	P-Iris	Auto Iris			
Horizontal Field of View (HOV)	H: 103°-32° V: 71°-18°	H: 44°-18° V: 26°-10°	L3 V2: H: 128°-34° V: 65°-19° L16: H: 40°-9° V: 29°-7°	L5: H: 125°-42° V: 64°-23° L6: H: 108°-42° V: 80°-32° L16: H: 40°-9° V: 29°-7°	H: 105°-33° V: 56°-18°	H: 105°-33° V: 56°-18°	H: 92°-29° V: 61°-17°	H: 98°-32° V: 66°-18°
IR Range	50m (164ft)	70m (229ft)	N/A	N/A	40m (130ft)	40m (130ft)	40m (130ft)	40m (130ft)
Wide Dynamic Range (WDR)	True (120dB)		Digital	True (120dB)	True (120dB)	True (120dB)	True (130dB)	True (120dB) (N/A with dual output)
Minimum Illumination	0.0026 lux F1.2 (Color) 0.005 lux F1.6 (Color) 0 Lux with IR		0.06 lux F1.4 (Color) 0.03 lux F1.4 (BW)	0.1 lux F1.6 (Color) 0.02 lux F1.6 (BW)	0.005 lux F1.2 (Color) 0 Lux with IR	0.005 lux F1.2 (Color) 0 Lux with IR	0.003 lux F1.2 (Color) 0 Lux with IR	0.003 lux F1.2 (Color) 0 Lux with IR
Audio	N/A	N/A	1, Line Level	1, Line Level	N/A	N/A	N/A	N/A
Special Characteristics	Edge LPR		ABF	P-Iris, 4K	Video formats supported: HD-TVI (i3-recommended), HD-CVI, HD-AHD, CVBS			Dual (simultaneous) video output supported: HD-TVI + CVBS
Compression	N/A	N/A	h.264/MJPEG	h.264/h.265/MJPEG	N/A	N/A	N/A	N/A
Power Requirement	DC 12V / PoE (IEEE 802.3af)	DC 12V / PoE (IEEE 802.3af)	DC 12V / AC 24V / PoE (IEEE 802.3af)	DC 12V / AC 24V / PoE (IEEE 802.3af)	DC 12V & AC 24V	DC 12V & AC 24V	DC 12V & AC 24V	DC 12V & AC 24V Isolated power required
Power Consumption	11W	11W	8W	7.5W	9.7W	9.7W	8W	6W
Operating Temperature	-30°C - 50°C -22°F - 122°F	-30°C - 50°C -22°F - 122°F	-10°C - 50°C 14°F - 122°F	-20°C - 50°C -4°F - 122°F	-10°C - 50°C (indoor) 14°F - 122°F (indoor)	-40°C - 50°C -40°F - 122°F	-40°C - 50°C -40°F - 122°F	-30°C - 50°C -22°F - 122°F
Regulation, Rating	FCC, CE, IP67	FCC, CE, IP67	FCC Class B, CE, REACH, UL/cUL, ONVIF	FCC Class B, CE Class B, ONVIF	FCC, CE, UL	FCC, CE, UL, IP67, IK10	FCC, CE, UL, IP67, IK10	FCC, CE, UL, IP67, IK10
Warranty	5 years		5 years		5 years			