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NETWORK PRODUCTS

CAMERA TYPE		DOME				
Appearance		A-17-F	A-27-F	A-37-F	A-37-FW	A-44-V2
Sensor		1/3 CMOS	1/2.8 CMOS	1/3 CMOS	1/3 CMOS	1/2.8 CMOS
Codec and Transmission	Video Codec	H.264 / MJPEG / H.264+	H.265 / MJPEG / H.264	H.264 / MJPEG / H.264+	H.264 / MJPEG / H.264+	H.264 / MPEG4 / MJPEG
	H.265 / H.264 multi stream	2	3	2	2	3
	JPEG multi stream	1	1	1	1	1
	Built-in Analytics	Yes (Varies)	Yes (Varies)	Yes (Varies)	Yes (Varies)	Yes (Varies)
Max. Resolution		1280 x 960	1920 x 1080	2304 x 1296	2304 x 1296	1920 x 1080
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz (1280 x 960)	30fps @ 60Hz (1920 x 1080)	20fps @ 60Hz (2304 x 1296)	20fps @ 60Hz (2304 x 1296)	30fps @ 60Hz (1920 x 1080)
True WDR		True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB	Digital WDR
Day/Night ICR / IR		Yes ICR	Yes ICR	Yes ICR	Yes ICR	Yes ICR
Built-in IR LED		Yes (30 m)	Yes (30 m)	Yes (30 m)	Yes (30 m)	Yes (30 m)
ABF (Auto Back Focus) / Auto Focus		–	–	–	–	Auto Focus
Min. Illumination	Color	0.01 Lx	0.005 Lx	0.01 Lx	0.01 Lx	0.02 Lx @ F1.2
	B/W	0.00 Lx with IR	0.000 Lx with IR	0.00 Lx with IR	0.00 Lx with IR	0.00 with IR
Lens		f= 3.6 mm, F2.0	f= 2.8 mm, F1.6	f= 3.6 mm, F2.0	f= 2.8 mm, F2.0	f= 2.8 to 9 mm
Horizontal field of view	16 : 9	80 deg.	108 deg.	90 deg.	106 deg.	98.4 to 30.2 deg.
Adjusting Angle	Pan	0 to +355 deg	0 to +355 deg	0 to +355 deg	0 to +355 deg	0 to +355 deg
	Tilt	0 to +75 deg	0 to +75 deg	0 to +75 deg	0 to +75 deg	0 to +75 deg
Optical Zoom		–	–	–	–	–
Digital Zoom		4x	4x	4x	4x	4X
Image Stabilizer		–	–	–	–	–
Corridor Mode		–	–	–	–	–
VMD (Video Motion Detection)		Yes	Yes (2)	Yes	Yes	Yes (4)
Analytics		Intrusion, Line cross	Intrusion, Line cross	Intrusion, Line cross	Intrusion, Line cross	Intrusion, Line cross, Face detection
Max. Connection		–	–	–	–	–
Audio	In (Line) / Out	No / No	No / No	No / No	No / No	Yes / Yes (3.5 mm)
	In (Built-in MIC)	–	–	–	–	–
	Codec	–	–	–	–	G.711 / G.722.1 / G.726 / MP2L2
	Audio Detection Alarm	–	–	–	–	Yes
SD memory Card	Slot	Yes (SDXC) (256GB)	Yes (SDXC) (256GB)	Yes (SDXC) (256GB)	Yes (SDXC) (256GB)	Yes (SDXC) (64GB)
External I/O		No	No	No	No	Yes (1in / 1out)
Monitor Out		–	–	–	–	Yes (mini jack)
Vandal Resistant		IK10	IK10	IK10	IK10	IK10
Water and Dust Resistance		IP67	IP67	IP67	IP67	–
Temperature		-22°F to 140°F	-22°F to 140°F	-22°F to 140°F	-22°F to 140°F	-22°F to 140°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Tampering alarm, Network disconnect, IP address conflict, Storage exception 3D DNR, Audio detection, Scene change detection
Mounting Options		See page 9	See page 9	See page 9	See page 9	See page 9

CAMERA TYPE		DOME				
Appearance		A-47-F	A-47-F2.8	A-54-V2	A-54-OD	A-64
Sensor		1/3 CMOS	1/3 CMOS	1/3 CMOS	1/2.8 CMOS	1/1.8 CMOS
Codec and Transmission	Video Codec	H.264 / MJPEG / H.264+	H.264 / MJPEG / H.264+	H.264 / MPEG4 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
	H.265 / H.264 multi stream	2	2	3	3	3
	JPEG multi stream	1	1	1	1	1
	Built-in Analytics	Yes (Varies)	Yes (Varies)	Yes (Varies)	Yes (Varies)	Yes (Varies)
Max. Resolution		2688 x 1520	2688 x 1520	2048 x 1536	2048 x 1536	3072 x 2048
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	20fps @ 60Hz (2688 x 1520)	20fps @ 60Hz (2688 x 1520)	20fps @ 60Hz (2048 x 1536)	30fps @ 60Hz (2048 x 1536)	24fps @ 60Hz (3072 x 2048)
True WDR		True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB	Digital WDR
Day/Night ICR / IR		Yes ICR	Yes ICR	Yes ICR	Yes ICR	Yes (ICR)
Built-in IR LED		Yes (30 m)	Yes (30 m)	Yes (30 m)	Yes (30 m)	Yes (30 m)
ABF (Auto Back Focus) / Auto Focus		–	–	Auto Focus	Auto Focus	Auto Focus
Min. Illumination	Color	0.01 Lx	0.01 Lx	0.01 Lx @ F1.2	0.01 Lx @ F1.2	0.01 Lx @ F1.2
	B/W	0.00 Lx with IR	0.00 Lx with IR	0.00 with IR	0.00 with IR	0.00 with IR
Lens		f= 4.0 mm, F2.0	f= 2.8 mm, F2.0	f= 2.8 to 9 mm	f= 2.8 to 9 mm	f= 2.8 to 9 mm
Horizontal field of view	16 : 9	83 deg.	106 deg.	91.2 to 28.3 deg.	91.2 to 28.3 deg.	94.5 to 30.5 deg.
Adjusting Angle	Pan	-30 to +30 deg	-30 to +30 deg	0 to +355 deg	0 to +355 deg	0 to +355 deg
	Tilt	0 to +75 deg	0 to +75 deg	0 to +75 deg	0 to +75 deg	0 to +75 deg
Optical Zoom		–	–	–	–	–
Digital Zoom		4x	4x	4X	4X	4X
Image Stabilizer		–	–	–	–	–
Corridor Mode		–	–	–	–	–
VMD (Video Motion Detection)		Yes	Yes	Yes (4)	Yes (4)	Yes
Analytics		Intrusion, Line cross	Intrusion, Line cross	Intrusion, Line cross, Face detection	Intrusion, Line cross, Face detection	Intrusion, Line cross, Face detection
Max. Connection		–	–	–	–	–
Audio	In (Line) / Out	No / Yes	No / No	Yes / Yes (3.5 mm)	Yes / Yes (3.5 mm)	Yes / Yes (3.5 mm)
	In (Built-in MIC)	Yes	Yes	–	–	–
	Codec	G.711 / G.722.1 / G.726 / MP2L2	G.711 / G.722.1 / G.726 / MP2L2	G.711 / G.722.1 / G.726 / MP2L2	G.711 / G.722.1 / G.726 / MP2L2	G.711 / G.722.1 / G.726 / MP2L2
	Audio Detection Alarm	–	–	Yes	Yes	Yes
SD memory Card	Slot	Yes (SDXC) (256GB)	Yes (SDXC) (256GB)	Yes (SDXC) (64GB)	Yes (SDXC) (64GB)	Yes (SDXC) (128GB)
External I/O		Yes (1in / 1out)	–	Yes (1in / 1out)	Yes (1in / 1out)	Yes (1in / 1out)
Monitor Out		–	–	Yes (mini jack)	Yes (mini jack)	Yes (mini jack)
Vandal Resistant		IK08	IK08	IK10	IK10	IK10
Water and Dust Resistance		IP67	IP67	–	IP66	IP66
Temperature		-22°F to 140°F	-22°F to 140°F	-22°F to 140°F	-40°F to 140°F (Heater on)	-22°F to 140°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE	12 V DC, 24 V AC / PoE	12 V DC, 24 V AC / PoE
Other Functions		Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC	Tampering alarm, Network disconnect, IP address conflict, Storage exception 3D DNR, Audio detection, Scene change detection	Tampering alarm, Network disconnect, IP address conflict, Storage exception 3D DNR, 60fps @1080P, Audio detection, Scene change detection	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection
Mounting Options		See page 9	See page 9	See page 9	See page 9	See page 9

NETWORK PRODUCTS

CAMERA TYPE		DOME				
Appearance		A-T-27-V	B-51	E-37-FSW	E-37-V	NEW E-47-V
Sensor		1/3 CMOS	1/3.2 CMOS	1/2.8 CMOS	1/3 CMOS	1/3 CMOS
Codec and Transmission	Video Codec	TVI	H.264 / MJPEG	H.265 / H.264	H.264 / MJPEG	H.265 / H.264
	H.265 / H.264 multi stream	–	2	3	2	3
	JPEG multi stream	–	1	–	1	–
	Built-in Analytics	–	–	Yes (Varies)	–	Yes (Varies)
Max. Resolution		1920 x 1080	2592 x 1944	2048 x 1536	2304 x 1536	2688 x 1520
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz 1920 x 1080	15fps @ 60Hz (2592 x 1944)	30fps @ 60Hz (2048 x 1536)	20fps @ 60Hz (2304 x 1536)	30fps @ 60Hz (2688 x 1520)
True WDR		True WDR @ 120dB	Digital WDR	True WDR @ 120 dB	Digital WDR	True WDR @ 120 dB
Day/Night ICR / IR		Yes	Yes (ICR)	–	Yes (ICR)	Yes
Built-in IR LED		EXIR (40m)	Yes (40m)	–	Yes (30m)	Yes (50m)
ABF (Auto Back Focus) / Auto Focus		Remote Focus	Auto Focus	–	Auto Focus	Auto Focus
Min. Illumination	Color	.005 Lx	0.1 Lx @ F 1.2	0.03 Lx @ F2.0	0.1 Lx @ F 1.4	.03 Lx @ F 1.4
	B/W	0 Lux with IR	0.00 with IR	0.01 Lx @ F2.0	0.00 with IR	0 Lx with IR
Lens		2.8mm to 12mm	f= 3 to 9mm F1.2 to F2.1	f= 1.85 mm, F2.0	f= 2.7 to 12.0 mm	2.7mm to 13.5mm
Horizontal field of view	16 : 9	32.1° to 103°	85.7 to 30.5 deg.	151 deg.	92 to 28 deg.	31° to 106°
Adjusting Angle	Pan	0° to 340°	-175 to +175 deg	0 to +355 deg	–	0 to +355 deg
	Tilt	0° to 75°	5 to +170 deg.	0 to +65 deg	–	0 to +65 deg
Optical Zoom		–	3X	–	–	–
Digital Zoom		–	4X	16X	4X	16X
Image Stabilizer		No	–	Yes (EIS)	–	–
Corridor Mode		No	–	–	–	Yes
VMD (Video Motion Detection)		see V2 Encoder	Yes (3)	Yes (4)	Yes	Yes (4)
Analytics		No	–	Face Detection, Tamper, Scene Change	–	Tripwire, Intrusion, Object Abandoned
Max. Connection		–	–	20	–	20
Audio	In (Line) / Out	No	Yes / Yes	Yes / Yes	–	Yes / Yes
	In (Built-in MIC)	No	–	Yes	–	–
	Codec	see V2 Encoder	G.711	G.711a / G.711Mu / AAC / G.726	–	G.711a / G.711Mu / AAC / G.726
	Audio Detection Alarm	No	Yes	Yes	–	No
SD memory Card	Slot	No	Yes (SDXC)	Yes (SDXC) (128GB)	Yes (SDXC) (128GB)	Yes (SDXC) (128GB)
External I/O		No	Yes (1in / 1out)	Yes (1in / 1out)	–	Yes (1in / 1out)
Monitor Out		No	–	Yes	Yes	Yes
Vandal Resistant		IK10	IK10	IK10	IK10	IK10
Water and Dust Resistance		IP67	IP67, NEMA 4	IP67	IP67	IP67
Temperature		-40°F to 140°F	-40°F to 122°F	-22°F to 140°F	-22°F to 140°F	-22°F to 140°F
Power Source		12 V DC, 24VDC	12 V DC / PoE	12 V DC, 12V AC / PoE	12 V DC / PoE	12 V DC, 12V AC / PoE
Other Functions		–	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control	BLC, 3D DNR, HLC, Auto ICR, Edge Dewarp	–	BLC. HLC, 3D DNR
Mounting Options		See page 9	See page 10	See page 10	See page 10	See page 10

CAMERA TYPE		PTZ DOME		
Appearance		A-200-P	A-300	B-210
Sensor		1/2.8 CMOS	1/2.8 CMOS	1/2.8 CMOS
Codec and Transmission	Video Codec	H.264 / MPEG4 / MJPEG	H.265 / H.264 / MJPEG	H.264 / MJPEG
	H.265 / H.264 multi stream	3	2	2
	JPEG multi stream	1	1	1
	Built-in Analytics	Yes	Yes	–
Max. Resolution		1920 x 1080	1920 x 1080	1920 x 1080
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz (1920 x 1080)	30fps @ 60Hz (1920 x 1080)	30fps @ 60Hz (1920 x 1080)
True WDR		Digital WDR	Digital WDR	Digital WDR
Day/Night ICR / IR		Yes (ICR)	Yes (ICR)	Yes (ICR)
Built-in IR LED		–	Yes (150m)	–
ABF (Auto Back Focus) / Auto Focus		Auto Focus	Auto Focus	Auto Focus
Min. Illumination	Color	0.3 Lx @ F 1.6	0.05 Lx @ F 1.6	0.1 Lx @ F 1.8
	B/W	0.02 Lx @ F 1.6	0.00 with IR	0.05 Lx @ F1.8
Lens		f= 4.7 to 94 mm, F 1.4 to F 3.5	f= 4.3 to 129.0 mm, F 1.6 to F 3.5	f= 4.9 to 49.0 mm, F 1.8 to F 3.0
Horizontal field of view	16 : 9	58.3 to 3.2 deg.	58.3 to 3.2 deg.	57.8 to 6.9 deg.
Adjusting Angle	Pan	360 deg. Endless	360 deg. Endless	-175 to +175 deg
	Tilt	-5 to +90 deg. Auto flip	-15 to +90 deg. Auto flip	0 to +180 deg. E Flip
Optical Zoom		20X	30X	10X
Digital Zoom		16X	16X	4X
Image Stabilizer		–	–	–
Corridor Mode		–	–	–
VMD (Video Motion Detection)		Yes	Yes	Yes (3)
Analytics		Auto object tracking, Line cross, Face, Audio	Auto object tracking, Line cross, Face, Audio	–
Max. Connection		32	32	–
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	Yes / Yes
	In (Built-in MIC)	–	–	–
	Codec	G.711 / G.722.1 / G.726 / MP2L2	G.711 / G.722.1 / G.726 / MP2L2	G.711
	Audio Detection Alarm	Yes	Yes	Yes
SD memory Card	Slot	Yes (SDXC) (128GB)	Yes (SDXC) (128GB)	Yes (SDXC)
External I/O		Yes (7in / 2out)	Yes (7in / 2out)	Yes (1in / 1out)
Monitor Out		Yes (mini jack)	Yes (mini jack)	–
Vandal Resistant		IK10	IK10	IK10
Water and Dust Resistance		IP66	IP66	IP67, NEMA 4
Temperature		-22°F to 149°F	-22°F to 149°F	-4°F to 122°F
Power Source		24 V AC / High P. PoE (Included)	24 V AC / High P. PoE (Included)	12 V DC / PoE
Other Functions		Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, HLC, 8 Patrol zones, Region entrance and exit triggers.	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, HLC, 8 Patrol zones, Region entrance and exit triggers.	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control, White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless
Mounting Options		See page 9	See page 9	See page 10

NETWORK PRODUCTS

CAMERA TYPE		360 DOME	
Appearance		*NEW* **A-427-V**	**B-5360**
Sensor		1/2.7 CMOS x 4	1/3.2 CMOS
Codec and Transmission	Video Codec	H.265 / MJPEG / H.264	H.264 / MJPEG
	H.265 / H.264 multi stream	3	2
	JPEG multi stream	1	1
	Built-in Analytics	Yes (Varies)	–
Max. Resolution		1920 x 1080 x 4	2592 x 1944
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz (1920 x 1080) x 4	15fps @ 60Hz (2592 x 1944)
True WDR		True WDR @ 120 dB	Digital WDR
Day/Night ICR / IR		–	–
Built-in IR LED		–	–
ABF (Auto Back Focus) / Auto Focus		Auto Focus each lens	–
Min. Illumination	Color	0.006 Lux @ (F1.2, AGC ON), 0.01 Lux @ (F1.6, AGC ON)	0.1 Lx @ F 2.0
	B/W	0.002 Lux @ (F1.2, AGC ON); 0.003 Lux @ (F1.6, AGC ON)	0.1 Lx @ F 2.0
Lens		f= 3.0 to 9 mm each lens	f=1.185 mm, F2.0
Horizontal field of view	16 : 9	35 to 100 deg. each lens	189.7 deg. or 360 deg.
Adjusting Angle	Pan	0 to +355 deg	–
	Tilt	0 to +135 deg	–
Optical Zoom		–	–
Digital Zoom		16X	10X
Image Stabilizer		–	–
Corridor Mode		Yes	–
VMD (Video Motion Detection)		Yes (4) each lens	Yes (4)
Analytics		Intrusion, Line cross, Face, Crowd Audio, wander /detection	–
Max. Connection		–	–
Audio	In (Line) / Out	Yes / Yes	Yes / Yes (3.5 mm)
	In (Built-in MIC)	Yes	–
	Codec	G.711 / G.722.1 / G.726 / MP2L2 / PCM / AAC	G.711
	Audio Detection Alarm	Yes	Yes
SD memory Card	Slot	Yes (SDXC) (128GB)	Yes (SDXC)
External I/O		Yes (1in / 1out)	–
Monitor Out		–	–
Vandal Resistant		IK10	IK10
Water and Dust Resistance		IP67	IP68, NEMA 4, EN50155
Temperature		-22°F to 140°F	-4°F to 122°F
Power Source		DC12V:23W, AC24V:50W / PoE	PoE
Other Functions		Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection, Region Enter/Exit, Object Unattended/removed	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control. VI software dewarp 360, 2x 180
Mounting Options		See page 9	See page 10

CAMERA TYPE		BULLET		
Appearance		A-18-F	A-28-F	A-28-Z
Sensor		1/3 CMOS	1/2.8 CMOS	1/2.8 CMOS
Codec and Transmission	Video Codec	H.264 / MJPEG / H.264+	H.265 / MJPEG / H.264	H.265 / MJPEG / H.264
	H.265 / H.264 multi stream	2	3	2
	JPEG multi stream	1	1	1
	Built-in Analytics	Yes (Varies)	Yes (Varies)	Yes (Varies)
Max. Resolution		1280 x 960	1920 x 1080	1920 x 1080
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	30fps @ 60Hz (1280 x 960)	30fps @ 60Hz (1920 x 1080)	60fps @ 60Hz (1920 x 1080)
True WDR		True WDR @ 120 dB	True WDR @ 120 dB	True WDR @ 120 dB
Day/Night ICR / IR		Yes ICR	Yes ICR	Yes (ICR)
Built-in IR LED		Yes (30 m)	Yes (30 m)	Yes (120m)
ABF (Auto Back Focus) / Auto Focus		–	–	Auto Focus
Min. Illumination	Color	0.01 Lx	0.005 Lx	0.002 Lx @ F 1.2
	B/W	0.00 Lx with IR	0.000 Lx with IR	0.00 with IR
Lens		f= 6.0 mm, F2.0	f= 6.0 mm, F1.6	f= 4.7 to 122mm
Horizontal field of view	16 : 9	46 deg.	52 deg.	70.5 to 3 deg.
Adjusting Angle	Pan	0 to +360 deg	0 to +360 deg	–
	Tilt	0 to +90 deg	0 to +90 deg	–
Optical Zoom		–	–	26X
Digital Zoom		4x	4x	16X
Image Stabilizer		–	–	Yes (EIS)
Corridor Mode		–	–	–
VMD (Video Motion Detection)		Yes	Yes (2)	Yes
Analytics		Intrusion, Line cross	Intrusion, Line cross	Auto object tracking, Line cross, Face, Audio
Max. Connection		–	–	–
Audio	In (Line) / Out	No / No	No / No	Yes / Yes (3.5 mm)
	In (Built-in MIC)	–	–	–
	Codec	–	–	G.711 / G.722.1 / G.726 / MP2L2
	Audio Detection Alarm	–	–	Yes
SD memory Card	Slot	–	Yes (SDXC) (256GB)	Yes (SDXC) (128GB)
External I/O		No	No	Yes (1in / 1out)
Monitor Out		–	–	Yes (mini jack)
Vandal Resistant		–	–	–
Water and Dust Resistance		IP67	IP67	IP67
Temperature		-22°F to 140°F	-22°F to 140°F	-22°F to 140°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC / PoE
Other Functions		Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR, BLC	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection, Region Enter/Exit, Object Unattended/ removed
Mounting Options				

NETWORK PRODUCTS

CAMERA TYPE		BULLET		
Appearance		A-38-F	A-55	A-65
Sensor		1/3 CMOS	1/3 CMOS	1/1.8 CMOS
Codec and Transmission	Video Codec	H.264 / MJPEG / H.264+	H.264 / MPEG4 / MJPEG	H.264 / MJPEG
	H.265 / H.264 multi stream	2	3	3
	JPEG multi stream	1	1	1
	Built-in Analytics	Yes (Varies)	Yes (Varies)	Yes (Varies)
Max. Resolution		2304 x 1296	2048 x 1536	3072 x 2048
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	20fps @ 60Hz (2304 x 1296)	30fps @ 60Hz (2048 x 1536)	24fps @ 60Hz (3072 x 2048)
True WDR		True WDR @ 120 dB	True WDR @ 120 dB	Digital WDR
Day/Night ICR / IR		Yes ICR	Yes ICR	Yes (ICR)
Built-in IR LED		Yes (30 m)	Yes (30 m)	Yes (50 m)
ABF (Auto Back Focus) / Auto Focus		–	Auto Focus	Auto Focus
Min. Illumination	Color	0.01 Lx	0.01 Lx @ F1.2	0.01 Lx @ F1.2
	B/W	0.00 Lx with IR	0.00 with IR	0.00 with IR
Lens		f= 6.0 mm, F2.0	f= 2.8 to 9 mm	f= 2.8 to 9 mm
Horizontal field of view	16 : 9	55.4 deg.	91.2 to 28.3 deg.	94.5 to 30.5 deg.
Adjusting Angle	Pan	0 to +355 deg	–	–
	Tilt	0 to +75 deg	–	–
Optical Zoom		–	–	–
Digital Zoom		4x	4X	4X
Image Stabilizer		–	–	–
Corridor Mode		–	–	–
VMD (Video Motion Detection)		Yes	Yes (4)	Yes
Analytics		(Intrusion, Line cross)	Intrusion, Line cross, Face detection	Intrusion, Line cross, Face detection
Max. Connection		–	–	–
Audio	In (Line) / Out	No / No	Yes / Yes (3.5 mm)	Yes / Yes (3.5 mm)
	In (Built-in MIC)	–	–	–
	Codec	–	G.711 / G.722.1 / G.726 / MP2L2	G.711 / G.722.1 / G.726 / MP2L2
	Audio Detection Alarm	–	Yes	Yes
SD memory Card	Slot	–	Yes (SDXC) (128GB)	Yes (SDXC) (128GB)
External I/O		No	Yes (1in / 1out)	Yes (1in / 1out)
Monitor Out		–	Yes (mini jack)	Yes (mini jack)
Vandal Resistant		–	–	IK10
Water and Dust Resistance		IP67	IP66	IP66
Temperature		-22°F to 140°F	-22°F to 140°F	-22°F to 140°F
Power Source		12 V DC / PoE	12 V DC / PoE	12 V DC, 24 V AC / PoE
Other Functions		Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, 3D DNR	Tampering alarm, Network disconnect, IP address conflict, Storage exception 3D DNR, 60fps @1080P, Audio detection, Scene change detection, BLC, Defog	Tampering alarm, Network disconnect, IP address conflict, Storage exception BLC, 3D DNR, Defog, OLB, Audio detection, Scene change detection
Mounting Options			See page 9	See page 9

CAMERA TYPE		ENCODERS			
Appearance		VP-1	VP-4	VP-8-V2	VP-16-V2
Codec and Transmission	Video Codec	H.264	H.264	H.264	H.264
	Built-in Analytics	–	–	Yes (Varies)	Yes (Varies)
Max. Resolution		D1	D1	1920 x 1080	1920 x 1080
Max. FPS @Max. Resolution	H.265 / H.264 / JPEG	30fps @ D1	30fps @ D1	30fps @ 1920 X 1080	30fps @ 1920 X 1080
Analytics		–	–	Line Crossing and Intrusion Detection	Line Crossing and Intrusion Detection
Audio	In (Line) / Out	Yes / Yes	Yes / Yes	4 in / 1 out	4 in / 1 out
	Codec	–	–	G.711u	G.711u
External I/O		Yes (1in / 1out)	–	Yes (8in / 4out)	Yes (16in / 8out)
Temperature		14°F to 131°F	14°F to 131°F	14°F to 131°F	14°F to 131°F
Power Source		12 VDC	12 VDC	12 VDC	12 VDC
Other Functions		Encoder based motion detection	Encoder based motion detection	Encoder based motion detection	Encoder based motion detection

CAMERA ACCESSORIES

COMPATIBILITY	MODEL	PICTURE	DESCRIPTION / TYPE
A-17, A-27, A-37	**A-MD-WM**		Wall Mount
	A-MD-ICM		Incline
	A-MWM-MINI		Metal Wall Mount
	A-34-CAP METAL		Cap
	A-MD-GBA		Gang Box Adapter
A-44, A-54	**A-44-FM**		Flush Mount
	A-44-OD-MB		Wall Mount
	A-POLE MOUNT		Pole Mount
	A-44-PENDANT		Pendant
A-54-OD, A-64	**A-MC-OD**		Cap
	A-MWM		Wall Mount
	A-MWB		Wall Mount
A-55, A-65	**ABAP-5**		Gang Box Adapter
A-47, A-47-F	**A-46-CW**		Ceiling Wedge Mount
	A-46-PM		Pendant
	A-46-WM		Wall Mount
A-427-V	**A-MLT-CAP**		Cap
A-200-P, A-300, A-427-V	**A-200-PARAPET**		Parapet
	A-200-PM		Pole Mount
	A-200-WM		Wall Mount
	A-200-CM		Ceiling Mount
	A-200-CNR		Corner Mount
	A-200-LPM		Long Pendant Mount
A-200 PTZ	**A-200-IFM**		Flush Mount
A-T-27-V	**A-MC-140**		Cap

CAMERA ACCESSORIES

COMPATIBILITY	MODEL	PICTURE	DESCRIPTION / TYPE
B-31	**B-31-FM**		Flush Mount
B-210, B-51	**B-210-FM**		Flush Mount
B-210, B-51, B-33	**B-31-GN**		Gooseneck Mount
	B-31-MK		Mount Head
	B-31-PM		Pole Mount
	B-31-ST		Pendant Mount
	B-31-CMB		Corner Mount
	B-AD-WM		Wall Mount
	B-OD-WM		Wall Mount
B-5360	**B-MD-EP**		Extension Pole
	B-MD-GB		Gang Box Adapter
	B-MD-MK		Mount Head
	B-MD-PM-Kit		Pendant Mount Kit
	B-MD-ST		Pendant Tube
	B-MD-WM		Wall Mount
E-37-V	**E-A137-JB**		Junction Box
	E-A151-CM		Corner Mount
	E-A152-PM		Pole Mount
	E-B200-FM		Flush Mount
	E-B203-WM		Wall Mount
E-37-FSW, E-47-V	**E-A101-CAP**		Cap
	E-A138-JB		Junction Box
	E-A152E-PM		Pole Mount
	E-B201-FM		Flush Mount
	E-B300C-CB		Pendant Mount
	E-B302S-WM		Wall Mount

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800 Gessner Rd, Suite 700 • Houston, TX 77024 • (832) 240.1768