

2014 SELECTION GUIDE

We deliver QUALITY, SPECIFICATION and PRICE at the same time.

September, 2014 V1



PTZ

30x
HD

30x
FULL HD
1080P

30x
HD

30x
FULL HD
1080P

18x
FULL HD
1080P

18x
FULL HD
1080P

Model	I91	I92	I93	I94	KCM-8111	KCM-8211
Maximum Resolution	1MP	2MP	1MP	2MP	2MP	2MP
Application Environment	Indoor	Indoor	Outdoor	Outdoor	Indoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	Yes	Yes	Yes	Yes	Yes	Yes
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.6
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes
Lens	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f4.7-84.6mm / F1.6-2.8, DC iris, Auto focus	Zoom, f4.7-84.6mm / F1.6-2.8, DC iris, Auto focus
Zoom Ratio	30x optical, 16x digital	30x optical, 16x digital	30x optical, 16x digital	30x optical, 16x digital	18x optical, 16x digital	18x optical, 16x digital
Panning and Tilting Range	Pan: 0°-360° (with Auto-flip), Tilt: 0°-180°	Pan: 0°-360° (with Auto-flip), Tilt: 0°-180°	Pan: 0°-360° (with Auto-flip), Tilt: -20°-200°	Pan: 0°-360° (with Auto-flip), Tilt: -20°-200°	Pan: 0°-360° (with Auto-flip), Tilt: 0°-180°	Pan: 0°-360° (with Auto-flip), Tilt: 0°-180°
Horizontal Viewing Angle	66.4°-2.68°	66.4°-2.68°	66.4°-2.68°	66.4°-2.61°	48.9°-3.6°	48.9°-3.6°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	30 fps at 1920 x 1080	30 fps at 1280 x 720	30 fps at 1920 x 1080	15 fps at 1920 x 1080 30 fps at 1280 x 720	15 fps at 1920 x 1080 30 fps at 1280 x 720
TV Lines	1800 TVL	1800 TVL	1800 TVL	1800 TVL	-	-
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Extreme WDR (145 dB)	Extreme WDR (145 dB)	Extreme WDR (145 dB)	Extreme WDR (145 dB)	Advanced WDR (80 dB)	Advanced WDR (80 dB)
Digital Noise Reduction	2D+3D DNR	2D+3D DNR	2D+3D DNR	2D+3D DNR	2D+3D DNR	2D+3D DNR
Digital Image Stabilizer	Yes	Yes	Yes	Yes	-	-
S/N Ratio	56 dB	56 dB	56 dB	56 dB	-	-
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	2/2	2/2	4/2	4/2	2/2	2/2
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC (card not included)	-
Power Source	DC 12V; High PoE	DC 12V; High PoE	AC 24V; High PoE	AC 24V; High PoE	DC 12V; High PoE	DC 12V; High PoE
Environmental Casing	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Weatherproof (IP66), Optional weatherproof (IP67), Vandal Proof casing (IK10), Bundled dome cover (IK09), Optional dome cover (IK10)	Weatherproof (IP66), Optional weatherproof (IP67), Vandal proof casing (IK10), Bundled dome cover (IK09), Optional dome cover (IK10)	Vandal Resistant (IK09)	Weatherproof (IP66), Vandal proof (IK10)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-10°C ~ 45°C (14°F ~ 113°F)	-40°C ~ 45°C (-40°F ~ 113°F)
Approvals	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IP66 (IP67 option), IK09 (IK10 option), NEMA 4X	CE, FCC, IP66 (IP67 option), IK09 (IK10 option), NEMA 4X	CE, FCC, IK09	CE, FCC, IP66, IK10

Mini PTZ

Speed Dome



Model	B94	B95	B96	B97	I95	I96	TCM-6630
Maximum Resolution	1.3MP	2MP	5MP	3MP	1MP	2MP	0.35MP (D1)
Application Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Interlaced Scan CCD
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	Yes	Yes	No	No	Yes	Yes	No
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.01 lux at F1.6
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lens	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f3.4-122.4mm / F1.6-4.5, DC iris, Auto focus
Zoom Ratio	10x optical	10x optical	10x optical	10x optical	30x optical, 16x digital	30x optical, 16x digital	36x optical, 12x digital
Panning and Tilting Range	Pan: -175°-175°, Tilt: 0°-180° (with E-flip)	Pan: -175°-175°, Tilt: 0°-180° (with E-flip)	Pan: -175°-175°, Tilt: 0°-180° (with E-flip)	Pan: -175°-175°, Tilt: 0°-180° (with E-flip)	Pan: 0°-360° endless, Tilt: -20°-200°	Pan: 0°-360° endless, Tilt: -20°-200°	Pan: 0°-360° endless, Tilt: -10°-190°
Horizontal Viewing Angle	52.1°-5.9°	57.8°-6.9°	49.7°-5.8°	49.6°-5.6°	66.4°-2.68°	66.4°-2.61°	57.8°-1.7°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 720	30 fps at 1920 x 1080	30 fps at 720 x 480
TV Lines	1400 TVL	1450 TVL	1450 TVL	1500 TVL	1800 TVL	1800 TVL	-
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (88 dB)	Basic WDR (75 dB)	Basic WDR (74 dB)	Superior WDR (110 dB)	Extreme WDR (145 dB)	Extreme WDR (145 dB)	Superior WDR
Digital Noise Reduction	DNR	DNR	DNR	DNR	2D+3D DNR	2D+3D DNR	2D+3D DNR
Digital Image Stabilizer	-	-	-	-	Yes	Yes	-
S/N Ratio	52 dB	52 dB	52 dB	52 dB	56 dB	56 dB	
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	1/1	1/1	4/2	4/2	8/1
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	No
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	AC 24V; High PoE	AC 24V; High PoE	AC 24V
Environmental Casing	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP66), Optional weatherproof (IP67), Vandal Proof casing (IK10), Bundled dome cover (IK09), Optional dome cover (IK10)	Weatherproof (IP66), Optional weatherproof (IP67), Vandal Proof casing (IK10), Bundled dome cover (IK09), Optional dome cover (IK10)	Weatherproof (IP66)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-45°C ~ 50°C (-49°F ~ 122°F)
Approvals	CE, FCC, IP67, NEMA 4X	CE, FCC, IP67, NEMA 4X	CE, FCC, IP67, NEMA 4X	CE, FCC, IP67, NEMA 4X	CE, FCC, IP66 (IP67 option), IK09 (IK10 option), NEMA 4X	CE, FCC, IP66 (IP67 option), IK09 (IK10 option), NEMA 4X	CE, FCC, IP66

	Indoor Zoom Dome					Outdoor Zoom Dome				
	 3x FULL HD 1080P	 3x HD	 3x FULL HD 1080P	 3x FULL HD 1080P	 3.6x FULL HD 1080P	 3x FULL HD 1080P	 3x HD	 3x FULL HD 1080P	 3x FULL HD 1080P	 3.6x FULL HD 1080P
Model	B61	B64	B65	B67	KCM-3311	B81	B84	B85	B87	KCM-7311
Maximum Resolution	5MP	1.3MP	2MP	3MP	4MP	5MP	1.3MP	2MP	3MP	4MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.2	Color: 0.1 lux, B/W: 0.05 lux at F1.4
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	No	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	No
IR Working Distance	40m	40m	40m	40m	-	40m	40m	40m	40m	-
Lens	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3.3-12mm / F1.4-2.9, P-iris, Auto focus	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3-9mm / F1.2-2.1, DC iris, Auto focus	Zoom, f3.3-12mm / F1.4-2.9, P-iris, Auto focus
Zoom Ratio	3x optical	3x optical	3x optical	3x optical	3.6x optical	3x optical	3x optical	3x optical	3x optical	3.6x optical
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-180°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 0°-180°, Rotate: 0°-350°
Horizontal Viewing Angle	85.7°-30.5°	90.6°-31.8°	103.6°-36.2°	84.5°-29.8°	77.2°-22.6°	85.7°-30.5°	90.6°-31.8°	103.6°-36.2°	84.5°-29.8°	77.2°-22.6°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	8 fps at 2032 x 1920 30 fps at 1280 x 720	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	8 fps at 2032 x 1920 30 fps at 1280 x 720
TV Lines	1500 TVL	1400 TVL	1450 TVL	1450 TVL	-	1500 TVL	1400 TVL	1450 TVL	1450 TVL	-
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Superior WDR (110 dB)	Advanced WDR (80 dB)	Basic WDR (74 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Superior WDR (110 dB)	Advanced WDR (80 dB)
Digital Noise Reduction	DNR	DNR	DNR	DNR	2D+3D DNR	DNR	DNR	DNR	DNR	2D+3D DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	-	52 dB	52 dB	52 dB	52 dB	-
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	2/2	2/2	2/2	2/2	No	2/2	2/2	2/2	2/2	2/2
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	No	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC (card not included)
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	No	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP67), Vandal proof (IK10)	Weatherproof (IP66), Vandal proof
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)
Approvals	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP66

Indoor Mini Dome with WDR

Indoor Mini Dome


HD

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

HD

Model	E91	E92	E93	E94	E95	E97	D91	D92	ACM-3701E
Maximum Resolution	1MP	3MP	5MP	1.3MP	2MP	10MP	1MP	3MP	1.3MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	No	No	No	No	No	No	No	No	Yes
Superior Low Light Sensitivity	No	No	No	Yes	Yes	No	No	No	No
Minimum Illumination	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.8	Color: 0.1 lux at F1.85	Color: 0.1 lux at F1.85	Color: 0.1 lux at F1.8	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.5 lux, B/W: 0.5 lux at F1.0
Mechanical IR Cut Filter	No	No	No	No	No	No	No	No	No
IR LED	No	No	No	No	No	No	No	No	No
Lens	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus
Viewing Angle Adjustment	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±20°, Tilt: 0°-90°, Rotate: ±15°
Horizontal Viewing Angle	72.0°	83.3°	126.9° (overview area), 77.4° (high detail area)	77.3°	87.5°	101.4°	72.0°	83.3°	72.3°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080 30 fps at 1280 x 720	7 fps at 3648 x 2736 30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080"	8 fps at 1280 x 1024 30 fps at 640 x 480
TV Lines	700 TVL	1350 TVL	1350 TVL	950 TVL	1100 TVL	1450 TVL	700 TVL	1350 TVL	-
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Single streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Basic WDR (70 dB)	No	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	No
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	-
Audio	No	No	No	No	No	No	No	No	No
Digital Input/Output	No	No	No	No	No	No	No	No	No
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	No
Power Source	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 3
Environmental Casing	Vandal Resistant (IK08)	Vandal Resistant (IK08)	Vandal Resistant (IK08)	Vandal Resistant (IK08)	Vandal Resistant (IK08)	Vandal Resistant (IK08)	Vandal Resistant (IK08)	Vandal Resistant (IK08)	No
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 40°C (14°F ~ 104°F)
Approvals	CE, FCC, IK08	CE, FCC, IK08	CE, FCC, IK08	CE, FCC, IK08	CE, FCC, IK08	CE, FCC, IK08	CE, FCC, IK08	CE, FCC, IK08	CE, FCC

Outdoor Mini Dome


FULL HD
1080P

FULL HD
1080P

FULL HD
1080P

FULL HD
1080P

FULL HD
1080P

FULL HD
1080P

Model	E918	E918M	E920	E920M	E922	E922M
Maximum Resolution	3MP	3MP	5MP	5MP	10MP	10MP
Application Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	No	No	No	No	No	No
Superior low Light Sensitivity	No	No	No	No	No	No
Minimum Illumination	Color: 0.1 lux at F2.8	Color: 0.1 lux at F2.8	Color: 0.1 lux at F2.8	Color: 0.1 lux at F2.8	Color: 0.1 lux at F1.8	Color: 0.1 lux at F1.8
Mechanical IR Cut Filter	No	No	No	No	No	No
IR LED	No	No	No	No	No	No
Lens	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus
Viewing Angle Adjustment	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°	Pan: ±90°, Tilt: 0°-90°
Horizontal Viewing Angle	126.4° (overview area)	126.4° (overview area)	126.9° (overview area), 77.4° (high detail area)	126.9° (overview area), 77.4° (high detail area)	101.4°	101.4°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	20 fps at 2048 x 1536 30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080
TV Lines	1250 TVL	1250 TVL	1350 TVL	1350 TVL	1450 TVL	1450 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Superior WDR (110 dB)	Superior WDR (110 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (70 dB)	Basic WDR (70 dB)
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)
Network Connector	RJ-45	M12	RJ-45	M12	RJ-45	M12
Digital Input/Output	No	No	No	No	No	No
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10), Vibration proof (EN50155)	Weatherproof (IP68), Vandal proof (IK10), Vibration proof (EN50155)	Weatherproof (IP68), Vandal proof (IK10), Vibration proof (EN50155)	Weatherproof (IP68), Vandal proof (IK10), Vibration proof (EN50155)	Weatherproof (IP68), Vandal proof (IK10), Vibration proof (EN50155)	Weatherproof (IP68), Vandal proof (IK10), Vibration proof (EN50155)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)
Approvals	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155

Indoor Mini Fisheye Dome



Outdoor Mini Fisheye Dome



Model	E96	E98	E919	E919M	E921	E921M	E923	E923M
Maximum Resolution	5MP	10MP	3MP	3MP	5MP	5MP	10MP	10MP
Application Environment	Indoor	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	No	No	No	No	No	No	No	No
Superior Low Light Sensitivity	No	No	No	No	No	No	No	No
Minimum Illumination	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0
Mechanical IR Cut Filter	No	No	No	No	No	No	No	No
IR LED	No	No	No	No	No	No	No	No
Lens	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.37mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.37mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.37mm / F2.0, Fixed iris, Fixed focus
Viewing Angle Adjustment	Rotate: ±90°	Rotate: ±90°	Rotate: ±90°	Rotate: ±90°	Rotate: ±90°	Rotate: ±90°	Rotate: ±90°	Rotate: ±90°
Horizontal Viewing Angle	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	15 fps at 2592 x 1944	7 fps at 3648 x 2736	20 fps at 2048 x 1536	20 fps at 2048 x 1536	15 fps at 2592 x 1944	15 fps at 2592 x 1944	7 fps at 3648 x 2736	7 fps at 3648 x 2736
TV Lines	1350 TVL	1450 TVL	1250 TVL	1250 TVL	1350 TVL	1350 TVL	1450 TVL	1450 TVL
View Mode	Fisheye View	Fisheye View	Fisheye View	Fisheye View	Fisheye View	Fisheye View	Fisheye View	Fisheye View
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (70 dB)	Superior WDR (110 dB)	Superior WDR (110 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (70 dB)	Basic WDR (70 dB)
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	No	No	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)	1-way (Mic-in, Line-in)
Network Connector	RJ-45	RJ-45	RJ-45	M12	RJ-45	M12	RJ-45	M12
Digital Input/Output	No	No	No	No	No	No	No	No
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1	PoE Class 1
Environmental Casing	Vandal Resistant (IK08)	Vandal Resistant (IK08)	Weatherproof (IP68); Vandal proof (IK10); Vibration proof (EN50155)	Weatherproof (IP68); Vandal proof (IK10); Vibration proof (EN50155)	Weatherproof (IP68); Vandal proof (IK10); Vibration proof (EN50155)	Weatherproof (IP68); Vandal proof (IK10); Vibration proof (EN50155)	Weatherproof (IP68); Vandal proof (IK10); Vibration proof (EN50155)	Weatherproof (IP68); Vandal proof (IK10); Vibration proof (EN50155)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 45°C (14°F ~ 113°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)
Approvals	CE, FCC, IK08	CE, FCC, IK08	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155	CE, FCC, IP68, IK10, NEMA 4X, EN50155

Indoor Vari-Focal Dome with WDR


HD

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

HD

Model	E61	E62A	E63A	E64	E65A	E66A
Maximum Resolution	1MP	3MP	5MP	1MP	3MP	1.3MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	No
Superior Low Light Sensitivity	No	No	No	No	No	Yes
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux at F1.4
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	No
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	No
IR Working Distance	30m	30m	30m	30m	30m	-
Lens	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°
Horizontal Viewing Angle	59.8°-24.7°	70.5°-28.2°	66.62°-28.88°	60.1°-24.3°	70.5°-28.8°	83.0°-31.1°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1280 x 720	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720
TV Lines	700 TVL	1350 TVL	1350 TVL	1250 TVL	1250 TVL	950 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Superior WDR (110 dB)	Superior WDR (110 dB)	Basic WDR (88 dB)
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	No	1/1	1/1	No	1/1	1/1
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09

Indoor Vari-Focal Dome with WDR


FULL HD
1080P


HD


FULL HD
1080P

FULL HD
1080P

Indoor Vari-Focal Dome



HD


FULL HD
1080P


HD


FULL HD
1080P

Model	E67	E68	E69	E610	D61A	D62	D64	D65A
Maximum Resolution	2MP	1.3MP	2MP	10MP	1.3MP	2MP	1MP	3MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	No	Yes	Yes	Yes	No	No	Yes	Yes
Superior Low Light Sensitivity	Yes	Yes	Yes	No	Yes	Yes	No	No
Minimum Illumination	Color: 0.1 lux at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux at F1.4	Color: 0.1 lux at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4
Mechanical IR Cut Filter	No	Yes	Yes	Yes	No	No	Yes	Yes
IR LED	No	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (Adjustable IR Exposure Compensation)	No	No	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)
IR Working Distance	-	30m	30m	30m	-	-	30m	30m
Lens	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f3.1-13.3mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°
Horizontal Viewing Angle	92.5°-35.9°	83.0°-31.1°	92.5°-35.9°	100.5°-25.8°	83.0°-31.1°	92.5°-35.9°	59.8°-24.7°	70.5°-28.2°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080
TV Lines	1100 TVL	950 TVL	1100 TVL	1450 TVL	950 TVL	1100 TVL	700 TVL	1350 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (75 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Basic WDR (70 dB)	No	No	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	No	No	2-way (Line-in, Line-out)
Digital Input/Output	No	1/1	1/1	2/2	1/1	No	No	1/1
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09

	Outdoor Vari-Focal Dome with WDR							
	 HD	 FULL HD 1080P	 FULL HD 1080P	 FULL HD 1080P	 HD	 FULL HD 1080P	 HD	 FULL HD 1080P
Model	E81A	E82A	E83A	E84A	E85	E86A	E88	E89
Maximum Resolution	1MP	3MP	5MP	2MP	1MP	3MP	1.3MP	10MP
Application Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	Yes	No	No	Yes	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (Adjustable IR Exposure Compensation)
IR Working Distance	30m	30m	30m	30m	30m	30m	30m	30m
Lens	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f3.1-13.3mm / F1.4, Fixed iris, Manual focus
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 5°-170°, Rotate: 0°-350°
Horizontal Viewing Angle	59.8°-24.7°	70.5°-28.2°	69.2°-28.2°	92.5°-35.9°	60.1°-24.3°	70.5°-28.8°	83.0°-31.1°	100.5°-25.8°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1920 x 1080	30 fps at 1280 x 720	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	7 fps at 3648 x 2736 30 fps at 1920 x 1080
TV Lines	700 TVL	1350 TVL	1350 TVL	1100 TVL	1250 TVL	1250 TVL	950 TVL	1450 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (75 dB)	Superior WDR (110 dB)	Superior WDR (110 dB)	Basic WDR (88 dB)	Basic WDR (70 dB)
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	1/1	1/1	No	1/1	1/1	2/2
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X

Outdoor Vari-Focal Dome


HD

**FULL HD
1080P**

HD

Model	D81A	D82A	ACM-7411
Maximum Resolution	1MP	3MP	1.3MP
Application Environment	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.5 lux, B/W: 0.05 lux at F1.0
Mechanical IR Cut Filter	Yes	Yes	Yes
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	No
IR Working Distance	30m	30m	-
Lens	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f3.3-12mm / F1.6, Fixed iris, Manual focus
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 0°-180°, Rotate: 0°-350°
Horizontal Viewing Angle	59.8°-24.7°	70.5°-28.2°	83.0°-23.8°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	8 fps at 1280 x 1024 30 fps at 640 x 480
TV Lines	700 TVL	1350 TVL	-
Multi-Streaming	Dual streams	Dual streams	Single streams
Wide Dynamic Range	No	No	No
Digital Noise Reduction	DNR	DNR	No
S/N ratio	52 dB	52 dB	-
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	1/1
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	No
Power Source	PoE Class 2	PoE Class 2	DC 12V; PoE Class 3
Environmental Casing	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP66); Vandal proof
ONVIF Compliant	Yes	Yes	No
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)
Approvals	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP66

	Indoor Fixed Dome with WDR							
								
Model	B51	B52	B53	E51	E52	E53	E54	E56
Maximum Resolution	5MP	10MP	3MP	1MP	1MP	3MP	5MP	3MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	No	No	No	No	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.2	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.8	Color: 0.1 lux at F2.0	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.0
Mechanical IR Cut Filter	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
IR LED	Adaptive IR (Adjustable IR Exposure Compensation)	Adaptive IR (Adjustable IR Exposure Compensation)	Adaptive IR (Adjustable IR Exposure Compensation)	No	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)
IR Working Distance	40m	40m	40m	-	30m	30m	30m	30m
Lens	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f1.9mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f2.8mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-330°, Tilt: 0°-180°	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-330°, Tilt: 20°-90°
Horizontal Viewing Angle	129.56° (overview area), 79.0° (high detail area)	102°	129.56° (overview area), 79.0° (high detail area)	77.5°	60.6°	72.0°	72.0°	85.7°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	15 fps at 2592 x 1944 30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 720	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080
TV Lines	1500 TVL	1550 TVL	1450 TVL	700 TVL	700 TVL	1350 TVL	1350 TVL	1250 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (70 dB)	Superior WDR (110 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Superior WDR (110 dB)
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	No	No	No	No	No
Digital Input/Output	1/1	1/1	1/1	No	No	No	No	No
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	No	No	No	No	No
Power Source	DC 12V; PoE Class 2	DC 12V; PoE Class 2	DC 12V; PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Vandal Resistant (IK09)	Vandal Resistant (IK09)	Vandal Resistant (IK09)	No	No	No	No	No
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC, IK09	CE, FCC, IK09	CE, FCC, IK09	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC

Indoor Fixed Dome with WDR

Indoor Fixed Dome


HD

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

HD

FULL HD 1080P

HD

Model	E57	E58	E59	D51	D52	D54	D55	TCM-3111
Maximum Resolution	1.3MP	2MP	10MP	1MP	3MP	1MP	3MP	1.3MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	No	No	Yes	Yes	No
Superior Low Light Sensitivity	Yes	Yes	No	No	No	No	No	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.85	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.85	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.5 lux, B/W: 0.5 lux at F1.0
Mechanical IR Cut Filter	Yes	Yes	Yes	No	No	Yes	Yes	No
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	No	No	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	No
IR Working Distance	30m	30m	30m	-	-	20m	20m	-
Lens	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus
Viewing Angle Adjustment	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-330°, Tilt: 0°-180°	Pan: 0°-330°, Tilt: 0°-180°	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-330°, Tilt: 20°-90°	Pan: 0°-170°, Tilt: 0°-180°
Horizontal Viewing Angle	77.9°	87.5°	101.4°	60.2°	70.8°	60.6°	72.0°	68.2°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	18 fps at 1280 x 1024 30 fps at 640 x 480
TV Lines	950 TVL	1100 TVL	1450 TVL	700 TVL	1350 TVL	700 TVL	1350 TVL	-
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (88 dB)	Basic WDR (75 dB)	Basic WDR (70 dB)	No	No	No	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	No
S/N ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	-
Audio	No	No	No	No	No	No	No	No
Digital Input/Output	No	No	No	No	No	No	No	No
Local Storage	No	No	No	No	No	No	No	No
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	No	No	No	No	No	No	No	No
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC

Outdoor Fixed Dome with WDR


HD

FULL HD 1080P

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

FULL HD 1080P

Model	E71A	E72	E73A	E74A	E75	E76	E77
Maximum Resolution	1MP	3MP	5MP	3MP	1.3MP	2MP	10MP
Application Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	No	Yes	Yes	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.0	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.0	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.0	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.0	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.85	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.85	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)
IR Working Distance	30m	30m	30m	30m	30m	30m	30m
Lens	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°
Horizontal Viewing Angle	72.0°	83.3°	82.3°	85.7°	77.9°	87.5°	101.4°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080
TV Lines	700 TVL	1350 TVL	1350 TVL	1250 TVL	950 TVL	1100 TVL	1450 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Superior WDR (110 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Basic WDR (70 dB)
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	2-way (Line-in, Line-out)	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	No	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X

Outdoor Fixed Dome



HD



FULL HD
1080P



FULL HD
1080P

Model	D71A	D72A	KCM-7111
Maximum Resolution	1MP	3MP	4MP
Application Environment	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	Yes
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.0	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F2.0	Color: 0.1 lux, B/W: 0.05 lux at F2.0
Mechanical IR Cut Filter	Yes	Yes	Yes
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	No
IR Working Distance	30m	30m	-
Lens	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f2.8mm / F2.0, Fixed iris, Manual focus
Viewing Angle Adjustment	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 17°-163°, Rotate: 0°-350°	Pan: 0°-350°, Tilt: 0°-180°, Rotate: 0°-350°
Horizontal Viewing Angle	72.0°	83.3°	82.6°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	8 fps at 2032 x 1920 30 fps at 1280 x 720
TV Lines	700 TVL	1350 TVL	-
Multi-Streaming	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	No	No	No
Digital Noise Reduction	DNR	DNR	DNR
S/N ratio	52 dB	52 dB	-
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	2/2
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC (card not included)
Power Source	PoE Class 2	PoE Class 2	DC 12V; PoE Class 3
Environmental Casing	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP67); Vandal proof (IK10)	Weatherproof (IP66); Vandal proof
ONVIF Compliant	Yes	Yes	Yes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)
Approvals	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP67, IK10, NEMA 4X	CE, FCC, IP66

	Indoor Fisheye Dome			Indoor Hemispheric Dome		Outdoor Hemispheric Dome	
				 FULL HD 1080P	 FULL HD 1080P	 FULL HD 1080P	 FULL HD 1080P
Model	B54	B55	B56	I51	KCM-3911	I71	KCM-7911
Maximum Resolution	5MP	10MP	3MP	5MP	4MP	5MP	4MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	Yes	Yes	Yes	Yes
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F2.0	Color: 0.1 lux, B/W: 0.05 lux at F2.0	Color: 0.1 lux, B/W: 0.05 lux at F2.0	Color: 0.1 lux, B/W: 0.05 lux at F2.8	Color: 1.63 lux, B/W: 0.06 lux at F2.8	Color: 0.1 lux, B/W: 0.05 lux at F2.8	Color: 1.63 lux, B/W: 0.06 lux at F2.8
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lens	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.37mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.19mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f1.05mm / F2.8, Fixed iris, Fixed focus	Fisheye, 1.05mm / F2.8, Fixed iris, Fixed focus	Fixed focal, f1.05mm / F2.8, Fixed iris, Fixed focus	Fisheye, 1.05mm / F2.8, Fixed iris, Fixed focus
Viewing Angle Adjustment	-	-	-	-	-	Rotate: -90°-90°	-
Horizontal Viewing Angle	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180° (overview area), 109.8° (high detail area)	180°	180° (overview area), 109.8° (high detail area)	180°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	15 fps at 2592 x 1944	7 fps at 3648 x 2736	20 fps at 2048 x 1536	Fisheye View Mode: 15 fps at 2592 x 1944 30 fps at 1440 x 1080 Dewarped View Mode: 12 fps at 2592 x 1944	6 fps at 2032 x 1920 12 fps at 1920 x 1080	Fisheye View Mode: 15 fps at 2592 x 1944 30 fps at 1440 x 1080 Dewarped View Mode: 12 fps at 2592 x 1944	6 fps at 2032 x 1920 12 fps at 1920 x 1080
TV Lines	1500 TVL	1550 TVL	1450 TVL	1850 TVL	-	1850 TVL	-
View Mode	Fisheye View	Fisheye View	Fisheye View	Fisheye View; Dewarped View: 180° / 360° Panorama, ePTZ	Fisheye View; Dewarped View: 180° / 360° Panorama, ePTZ, 6 VGA, Motion Detection Preset	Fisheye View; Dewarped View: 180° / 360° Panorama, ePTZ	Fisheye View; Dewarped View: 180° / 360° Panorama, ePTZ, 6 VGA, Motion Detection Preset
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (70 dB)	Superior WDR (110 dB)	Extreme WDR (80 dB)	Advanced WDR (80 dB)	Extreme WDR (80 dB)	Advanced WDR (80 dB)
Digital Noise Reduction	DNR	DNR	DNR	2D+3D DNR	2D+3D DNR	2D+3D DNR	2D+3D DNR
S/N ratio	52 dB	52 dB	52 dB	56 dB	-	56 dB	-
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	1/1	2/2	2/2	2/2	2/2
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC (card not included)
Power Source	DC 12V; PoE Class 2	DC 12V; PoE Class 2	DC 12V; PoE Class 2	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	No	No	No	No	No	Weatherproof (IP68); Vandal proof (IK10)	Weatherproof (IP66)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-22°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC, IP68, IK10, NEMA 4X	CE, FCC, IP66

Zoom Bullet


30x
HD

30x
FULL HD
1080P

12x
FULL HD
1080P

10x
HD

10x
FULL HD
1080P

12x
FULL HD
1080P

Model	I44	I45	B41	B44	B45	B47
Maximum Resolution	1MP	2MP	5MP	1.3MP	2MP	3MP
Application Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	Yes	Yes	No	Yes	Yes	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)	Adaptive IR (Object & Zoom Adaptive IR)
IR Working Distance	40m	40m	40m	40m	40m	40m
Lens	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Auto focus
Zoom Ratio	30x optical	30x optical	12x optical	10x optical	10x optical	12x optical
Horizontal Viewing Angle	65.1°-2.34°	65.1°-2.34°	48.4°-4.8°	52.1°-5.7°	57.8°-6.9°	50.2°-4.69°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080
TV Lines	1800 TVL	1800 TVL	1500 TVL	1400 TVL	1450 TVL	1450 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Extreme WDR (145 dB)	Extreme WDR (145 dB)	Basic WDR (74 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Superior WDR (110 dB)
Digital Noise Reduction	2D+3D DNR	2D+3D DNR	DNR	DNR	DNR	DNR
Digital Image Stabilizer	Yes	Yes	No	No	No	No
S/N ratio	56 dB	56 dB	52 dB	52 dB	52 dB	52 dB
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	Weatherproof (IP67); Vandal proof metal casing (IK10)	Weatherproof (IP67); Vandal proof metal casing (IK10)	Weatherproof (IP67); Vandal proof metal casing (IK10)	Weatherproof (IP67); Vandal proof metal casing (IK10)	Weatherproof (IP67); Vandal proof metal casing (IK10)	Weatherproof (IP67); Vandal proof metal casing (IK10)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)	CE, FCC, IP67, NEMA 4X, IK10 (metal casing)

	Vari-Focal Bullet with WDR									Vari-Focal Bullet	
											
Model	E41	E41A	E42A	E42B	E43B	E44	E45	E46	E47	D41	D42
Maximum Resolution	1MP	1MP	3MP	3MP	5MP	2MP	1MP	3MP	1.3MP	1MP	3MP
Application Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	No	No	Yes	No	No	Yes	No	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.4
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)
IR Working Distance	30m	30m	30m	30m	30m	30m	30m	30m	30m	30m	30m
Lens	Vari-focal, f3.3-12mm / F1.6, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, Fixed iris, Manual focus
Horizontal Viewing Angle	69.8°-19.1°	59.8°-24.7°	70.5°-28.2°	70.5°-28.2°	69.2°-28.2°	92.5°-35.9°	70.5°-28.8°	70.5°-28.8°	83°-31.1°	59.8°-24.7°	70.5°-28.2°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1920 x 1080	30 fps at 1280 x 720	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080
TV Lines	700 TVL	700 TVL	1350 TVL	1350 TVL	1350 TVL	1100 TVL	1250 TVL	1250 TVL	950 TVL	700 TVL	1350 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (75 dB)	Superior WDR (110 dB)	Superior WDR (110 dB)	Basic WDR (88 dB)	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	No	No	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	No	No	No	2-way (Line-in, Line-out)	No	No
Digital Input/Output	No	No	No	1/1	1/1	No	No	No	1/1	No	No
Local Storage	No	No	No	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	No	No	No	MicroSDHC/MicroSDXC (card not included)	No	No
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)

Fixed Bullet with WDR

Fixed Bullet


HD

FULL HD 1080P

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

Model	E31	E32	E33	E34	E35	E36	E37	D31	D32
Maximum Resolution	1MP	3MP	5MP	3MP	1.3MP	2MP	10MP	1MP	3MP
Application Environment	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	No	Yes	Yes	No	No	No
Minimum Illumination	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.85	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.85	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.85	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.8
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)	Adaptive IR (IR Exposure Compensation)
IR Working Distance	30m	30m	30m	30m	30m	30m	30m	20m	20m
Lens	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F1.85, Fixed iris, Fixed focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Fixed focus
Horizontal Viewing Angle	55.9°	62.7°	62.7°	68.0°	77.9°	88.1°	101.4°	55.9°	62.7°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080
TV Lines	700 TVL	1350 TVL	1350 TVL	1250 TVL	950 TVL	1100 TVL	1450 TVL	700 TVL	1350 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Superior WDR (110 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Basic WDR (70 dB)	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	No	No	No	No	No	No	No	No	No
Digital Input/Output	No	No	No	No	No	No	No	No	No
Local Storage	No	No	No	No	No	No	MicroSDHC/MicroSDXC (card not included)	No	No
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP68); Vandal proof metal casing (IK10)	Weatherproof (IP66)	Weatherproof (IP66)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP68, NEMA 4X, IK10 (metal casing)	CE, FCC, IP66	CE, FCC, IP66

Zoom Box



Model	I24	I25	B21	B24	B25	B27	KCM-5211	KCM-5211E	KCM-5511	KCM-5611
Maximum Resolution	1MP	2MP	5MP	1.3MP	2MP	3MP	4MP	4MP	2MP	2MP
Application Environment	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor	Outdoor	Outdoor	Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	Yes	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.6	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6	Color: 0.1 lux, B/W: 0 lux (IR LED on) at F1.6
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	No	No	No	No	No	No	No	Yes	Yes	Yes
Lens	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f4.3-129mm / F1.6-5.0, DC iris, Auto focus	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.9-49mm / F1.8-3.0, DC iris, Auto focus	Zoom, f5.2-62.4mm / F1.8-3.0, DC iris, Auto focus	Zoom, f4.7-84.6mm / F1.6-2.8, DC iris, Auto focus	Zoom, f4.7-84.6mm / F1.6-2.8, DC iris, Auto focus	Zoom, f3.2-70.4mm / F1.6-3.8, DC iris, Auto focus	Zoom, f4.7-84.6mm / F1.6-2.8, DC iris, Auto focus
Zoom Ratio	30x optical	30x optical	12x optical	10x optical	10x optical	12x optical	18x optical	18x optical	22x optical	18x optical
Horizontal Viewing Angle	65.1°-2.34°	65.1°-2.34°	48.4°-4.8°	52.1°-5.9°	57.8°-6.9°	50.2°-4.69°	48.9°-3.6°	48.9°-3.6°	57.1°-3.0°	48.9°-3.6°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264, MPEG-4 SP, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	8 fps at 2032 x 1920 30 fps at 1280 x 720	8 fps at 2032 x 1920 30 fps at 1280 x 720	15 fps at 1920 x 1080 30 fps at 1280 x 720	15 fps at 1920 x 1080 30 fps at 1280 x 720
TV Lines	1800 TVL	1800 TVL	1500 TVL	1400 TVL	1450 TVL	1450 TVL	-	-	-	-
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Extreme WDR (145 dB)	Extreme WDR (145 dB)	Basic WDR (74 dB)	Basic WDR (88 dB)	Basic WDR (75 dB)	Superior WDR (110 dB)	No	Advanced WDR (80 dB)	Advanced WDR (80 dB)	Advanced WDR (80 dB)
Digital Noise Reduction	2D+3D DNR	2D+3D DNR	DNR	DNR	DNR	DNR	DNR	2D+3D DNR	2D+3D DNR	2D+3D DNR
Digital Image Stabilizer	Digital Image Stabilizer	Digital Image Stabilizer	No	No	No	No	No	No	No	No
S/N Ratio	56 dB	56 dB	52 dB	52 dB	52 dB	52 dB	-	-	-	-
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	2/2	2/2	2/2	2/2
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC (card not included)	MicroSDHC (card not included)	MicroSDHC (card not included)	MicroSDHC (card not included)
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3
Environmental Casing	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	No	Weatherproof (IP66)	Weatherproof (IP66)	Weatherproof (IP66)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC, IP66	CE, FCC, IP66	CE, FCC, IP66

Vari-Focal Box with WDR

Vari-Focal Box

	 HD	 HD	 FULL HD 1080P	 FULL HD 1080P	 FULL HD 1080P	 HD	 HD	 FULL HD 1080P	 HD	 FULL HD 1080P
Model	E21V	E21VA	E22VA	E23A	E24A	E25	E25A	E271	D21VA	D22VA
Maximum Resolution	1MP	1MP	5MP	2MP	3MP	1.3MP	1.3MP	10MP	1MP	5MP
Application Environment	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	Yes	No	Yes	Yes	No	No	No
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4	Color: 0.1 lux, B/W: 0.05 lux at F1.4
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR LED	No	No	No	No	No	No	No	No	No	No
Lens	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f3-13mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus	Vari-focal, f2.8-12mm / F1.4, DC iris, Manual focus
Lens Mount	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)
Horizontal Viewing Angle	62.0°-24.8°	62°-24.8°	70.9°-29.2°	88.4°-35.7°	78.1°-26.8°	82.0°-31.1°	82.0°-31.1°	100.5°-26.2°	62°-24.8°	70.9°-29.2°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	30 fps at 1280 x 720	15 fps at 2592 x 1944 30 fps at 1920 x 1080	30 fps at 1920 x 1080	20 fps at 2048 x 1536 30 fps at 1920 x 1080	30 fps at 1280 x 960 60 fps at 1280 x 720	30 fps at 1280 x 960 60 fps at 1280 x 720	7 fps at 3648 x 2736 30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2592 x 1944 30 fps at 1920 x 1080
TV Lines	700 TVL	700 TVL	1350 TVL	1100 TVL	1250 TVL	950 TVL	950 TVL	1450 TVL	700 TVL	1350 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (75 dB)	Superior WDR (110 dB)	Basic WDR (88 dB)	Basic WDR (88 dB)	Basic WDR (70 dB)	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	No	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	No	1/1	1/1	1/1	1/1	No	1/1	1/1	1/1	1/1
Local Storage	No	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	No	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC

Fixed Box with WDR

Fixed Box


HD

FULL HD 1080P

FULL HD 1080P

HD

FULL HD 1080P

Model	E21FA	E22FA	E270	D21FA	D22FA
Maximum Resolution	1MP	5MP	10MP	1MP	5MP
Application Environment	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor	Indoor/Outdoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	Yes	Yes	Yes	Yes	Yes
Superior Low Light Sensitivity	No	No	No	No	No
Minimum Illumination	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F2.0	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F1.8	Color: 0.1 lux, B/W: 0.05 lux at F2.0
Mechanical IR Cut Filter	Yes	Yes	Yes	Yes	Yes
IR LED	No	No	No	No	No
Lens	Fixed focal, f4.2mm / F1.8, Fixed iris, Manual focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Manual focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Manual focus	Fixed focal, f4.2mm / F1.8, Fixed iris, Manual focus	Fixed focal, f2.93mm / F2.0, Fixed iris, Manual focus
Lens Mount	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)
Horizontal Viewing Angle	53.8°	81.6°	101.4°	53.8°	81.6°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2592 x 1944 30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2592 x 1944 30 fps at 1920 x 1080
TV Lines	700 TVL	1350 TVL	1450 TVL	700 TVL	1350 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (70 dB)	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR
Digital Image Stabilizer	No	No	No	No	No
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)
Digital Input/Output	1/1	1/1	1/1	1/1	1/1
Local Storage	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)	MicroSDHC/MicroSDXC (card not included)
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2
Environmental Casing	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)	Optional housing (IP66)
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC

	Cube with WDR				Cube	
	 HD	 FULL HD 1080P	 FULL HD 1080P	 FULL HD 1080P	 HD	 FULL HD 1080P
Model	E11	E12	E13	E14	D11	D12
Maximum Resolution	1MP	3MP	5MP	10MP	1MP	3MP
Application Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Image Sensor	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS	Progressive Scan CMOS
Day / Night	No	No	No	No	No	No
Superior Low Light Sensitivity	No	No	No	No	No	No
Minimum Illumination	Color: 0.1 lux at F1.8	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0	Color: 0.1 lux at F1.8	Color: 0.1 lux at F2.0	Color: 0.1 lux at F2.0
Mechanical IR Cut Filter	No	No	No	No	No	No
IR LED	No	No	No	No	No	No
Lens	Fixed focal, f4.2mm / F1.8, Fixed iris, Manual focus	Fixed focal, f2.8mm / F2.0, Fixed iris, Manual focus	Fixed focal, f2.8mm / F2.0, Fixed iris, Manual focus	Fixed focal, f3.6mm / F1.8, Fixed iris, Manual focus	Fixed focal, f3.6mm / F2.0, Fixed iris, Fixed focus	Fixed focal, f3.6mm / F2.0, Fixed iris, Fixed focus
Lens Mount	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	CS mount (interchangeable lens)	Board mount	Board mount
Horizontal Viewing Angle	53.8°	92.6°	92.6°	99°	60.2°	70.8°
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG
Frame Rate vs. Resolution	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080	15 fps at 2592 x 1944 30 fps at 1920 x 1080	7 fps at 3648 x 2736 30 fps at 1920 x 1080	30 fps at 1280 x 720	15 fps at 2048 x 1536 30 fps at 1920 x 1080
TV Lines	700 TVL	1350 TVL	1350 TVL	1450 TVL	700 TVL	1350 TVL
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams
Wide Dynamic Range	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (74 dB)	Basic WDR (70 dB)	No	No
Digital Noise Reduction	DNR	DNR	DNR	DNR	DNR	DNR
S/N Ratio	52 dB	52 dB	52 dB	52 dB	52 dB	52 dB
Audio	2-way (Built-in Microphone, Line-out)	2-way (Built-in Microphone, Line-out)	2-way (Built-in Microphone, Line-out)	2-way (Built-in Microphone, Line-out)	No	No
Digital Input/Output	No	No	No	No	No	No
Local Storage	No	No	No	MicroSDHC/MicroSDXC (card not included)	No	No
Power Source	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 2	PoE Class 1	PoE Class 2
Environmental Casing	No	No	No	No	No	No
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 45°C (14°F ~ 113°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC

	Video Encoder					Media Display Station
	1 Channel	1 Channel	4 Channels	4 Channels	1 Channel	16 Channel
						
Model	V21	V22	V23	V24	TCD-2100	ECD-1000
Compression	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264 High Profile, MJPEG	H.264, MPEG-4 SP, MJPEG	H.264
Frame Rate vs. Resolution	30 fps at 960 x 480 (960H, NTSC) 25 fps at 960 x 576 (960H, PAL) 30 fps at 720 x 480 (NTSC) 25 fps at 720 x 576 (PAL)	30 fps at 960 x 480 (960H, NTSC) 25 fps at 960 x 576 (960H, PAL) 30 fps at 720 x 480 (NTSC) 25 fps at 720 x 576 (PAL)	30 fps at 960 x 480 (960H, NTSC) 25 fps at 960 x 576 (960H, PAL) 30 fps at 720 x 480 (NTSC) 25 fps at 720 x 576 (PAL)	30 fps at 960 x 480 (960H, NTSC) 25 fps at 960 x 576 (960H, PAL) 30 fps at 720 x 480 (NTSC) 25 fps at 720 x 576 (PAL)	30 fps at 720 x 480 (NTSC) 25 fps at 720 x 576 (PAL) 30 fps at 352 x 240 (NTSC) 25 fps at 352 x 288 (PAL) 30 fps at 160 x 112 (NTSC) 25 fps at 176 x 144 (PAL)	30 fps at 1920 x 1080 30 fps at 720 x 480 25 fps at 720 x 576 30 fps at 640 x 480
Multi-Streaming	Dual streams	Dual streams	Dual streams	Dual streams	Dual streams	-
Audio	2-way (Line-in, Line-out)	2-way (Line-in, Line-out)	2-way (Line-in x 4, Line-out x 1)	2-way (Line-in x 4, Line-out x 1)	No	-
Network Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour	TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP
Network Connector	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45
Analog Video Input	BNC x 1	BNC x 1	BNC x 4	BNC x 4	BNC x 1	-
Analog Video Output	BNC x 1	BNC x 1	No	No	No	BNC x 1
HDMI Output	-	-	-	-	-	HDMI Type A x 1
Digital Input/Output	1/1	1/1	4 (DI/DO configurable)	4 (DI/DO configurable)	1/1	0
Serial Port	RS-485, RS-422	RS-485, RS-422	RS-485, RS-422	RS-485, RS-422	RS-485, RS-422, RS-232	No
Local Storage	MicroSD/MicroSDHC/MicroSDXC (card not included)	MicroSD/MicroSDHC/MicroSDXC (card not included)	MicroSD/MicroSDHC/MicroSDXC (card not included)	MicroSD/MicroSDHC/MicroSDXC (card not included)	No	No
Power Source	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V; PoE Class 3	DC 12V	DC 12V; PoE Class 3
Environmental Casing	No	Vibration proof (NEMA TS2-ready, without certificate)	No	Vibration proof (NEMA TS2-ready, without certificate)	No	No
Client PC Operating System	Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003, Windows XP	Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003, Windows XP	Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003, Windows XP	Windows 7, Windows Server 2008, Windows Vista, Windows Server 2003, Windows XP	Windows 7, Windows Vista, Windows Server 2003, Windows XP	Windows 7, Windows Vista, Windows Server 2003, Windows XP
PC Web Browser	IE 8, IE 9, IE 10, IE 11, Firefox with VLC, Chrome with VLC, Safari with Quicktime	IE 8, IE 9, IE 10, IE 11, Firefox with VLC, Chrome with VLC, Safari with Quicktime	IE 8, IE 9, IE 10, IE 11, Firefox with VLC, Chrome with VLC, Safari with Quicktime	IE 8, IE 9, IE 10, IE 11, Firefox with VLC, Chrome with VLC, Safari with Quicktime	IE 6, IE 7, IE 8	IE 9, IE 10, IE 11
ONVIF Compliant	Yes	Yes	Yes	Yes	Yes	No
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 75°C (40°F ~ 167°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 75°C (40°F ~ 167°F)	-10°C ~ 50°C (14°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
Approvals	CE, FCC	CE, FCC, NEMA TS2-ready (without certificate)	CE, FCC	CE, FCC, NEMA TS2-ready (without certificate)	CE, FCC	CE, FCC

Video Management System

Standalone NVR



Model	ENR-1000	ENR-120	ENR-130	ENR-140	GNR-3000	INR-410	INR-420
Maximum Number of Cameras	4	9	16	16	64	200	200
Maximum Number of Clients	1 local, 2 remote	1 local, 2 remote	1 local, 2 remote	1 local, 2 remote	1 local, 4 remote	1 local, 3 remote	1 local, 3 remote
Free License	4	9	16	16	32	64	64
Video Resolution	Up to 2-Megapixel (Local display), Up to 10-Megapixel (Remote display)	Up to 4-Megapixel (Local display), Up to 10-Megapixel (Remote display)	Up to 4-Megapixel (Local display), Up to 10-Megapixel (Remote display)	Up to 4-Megapixel (Local display), Up to 10-Megapixel (Remote display)	Support all ACTi cameras in all resolutions	Support all ACTi cameras in all resolutions	Support all ACTi cameras in all resolutions
Compression	H.264	H.264	H.264	H.264	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG
Scheduled Recording	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Event Recording	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Manual Recording	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Speed Up	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dual Stream Management	No	Yes	Yes	Yes	Yes	Yes	Yes
Recording Throughput	4 channels at 1080p/30fps	36 Mbps	48 Mbps	48 Mbps	Maximum total bitrate 300 Mbps	Maximum total bitrate 300 Mbps	Maximum total bitrate 300 Mbps
HDD Interface	Maximum 2 SATA disks	Maximum 2 SATA disks; Options to have empty bays, one 1TB or one 2TB storage disk included	Maximum 2 SATA disks; Options to have empty bays, one 2TB or one 4TB storage disk included	Maximum 4 SATA disks; Options to have empty bays or one 4TB storage disk included	Maximum 5 SATA disks (1 system disk included)	Maximum 8 SATA disks (1 system disk included)	Maximum 8 SATA disks (1 system disk included)
External Storage Interface	No	No	No	No	eSATA, iSCSI, USB	eSATA, iSCSI, USB	eSATA, iSCSI, USB
RAID Level	No	No	No	No	Software RAID 0, 1	Software RAID 0, 1	Hardware RAID 0, 1, 5, 10
Digital Zoom	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client	Display event status upon alarm or upon connection loss or recovery between server and client	Display event status upon alarm or upon connection loss or recovery between server and client	Display event status upon alarm or upon connection loss or recovery between server and client	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
Instant Playback	Instant Playback in live view window (Remote client)	Instant Playback in live view window (Remote client)	Instant Playback in live view window (Remote client)	Instant Playback in live view window (Remote client)	Instant Playback in live view window	Instant Playback in live view window	Instant Playback in live view window
e-Map	No	No	No	No	Yes	Yes	Yes
PTZ Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Playback Control	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop	Continuous forward and backward playback with speeds 0.5x/1x/2x/4x/8x/16x/32x; pause; stop	Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop	Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop	Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop
Synchronized Playback	4 channels	9 channels	16 channels	16 channels	9 channels (local), 64 channels (remote)	9 channels (local), 64 channels (remote)	9 channels (local), 64 channels (remote)
Local Access	HDMI monitor, USB keyboard & mouse	HDMI monitor, USB keyboard & mouse	HDMI monitor, USB keyboard & mouse	HDMI monitor, USB keyboard & mouse	VGA port for monitor, USB joystick, keyboard & mouse	HDMI & VGA port for monitor, USB joystick, keyboard & mouse	HDMI & VGA port for monitor, USB joystick, keyboard & mouse
Remote Access	Web Client (IE), Mobile Client (iOS & Android)	Web Client (IE), Mobile Client (iOS & Android)	Web Client (IE), Mobile Client (iOS & Android)	Web Client (IE), Mobile Client (iOS & Android)	Workstation, Web Client (IE), Mobile Client (iOS & Android)	Workstation, Web Client (IE), Mobile Client (iOS & Android)	Workstation, Web Client (IE), Mobile Client (iOS & Android)
Event Trigger	Video motion detection; External device through digital input; Network loss and recovery; System-hard disk error	Video motion detection; External device through digital input; Network loss and recovery	Video motion detection; External device through digital input; Network loss and recovery	Video motion detection; External device through digital input; Network loss and recovery	Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery; Server loss and recovery	Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery; Server loss and recovery	Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery; Server loss and recovery
Event Response	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point	Record video; Beep; Digital output; E-mail with snapshots; Event logging; Go to PTZ preset point	Record video; Pop-up window; Hotspot window; Audio alert; Digital output; Snapshot to FTP; Execute system command; E-mail with snapshots; Go to PTZ preset point	Record video; Pop-up window; Hotspot window; Audio alert; Digital output; Snapshot to FTP; Execute system command; E-mail with snapshots; Go to PTZ preset point	Record video; Pop-up window; Hotspot window; Audio alert; Digital output; Snapshot to FTP; Execute system command; E-mail with snapshots; Go to PTZ preset point
Permission Control	Unlimited number of users, Customizable permissions for user groups	Unlimited number of users, Customizable permissions for user groups	Unlimited number of users, Customizable permissions for user groups	Unlimited number of users, Customizable permissions for user groups	Unlimited number of users, Active Directory, Customizable permissions for user groups	Unlimited number of users, Active Directory, Customizable permissions for user groups	Unlimited number of users, Active Directory, Customizable permissions for user groups
Video Export	USB	USB	USB	USB	eSATA, iSCSI, USB	eSATA, iSCSI, USB	eSATA, iSCSI, USB
Server Operating System	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Linux	Embedded Windows 7	Embedded Windows 7	Embedded Windows 7
Client PC Operating System	Windows 8, Windows 7	Windows 8, Windows 7	Windows 8, Windows 7	Windows 8, Windows 7	Windows 8, Windows 7, Windows Server 2012, Windows Server 2008	Windows 8, Windows 7, Windows Server 2012, Windows Server 2008	Windows 8, Windows 7, Windows Server 2012, Windows Server 2008
PC Web Browser	IE 9, IE 10, IE 11	IE 9, IE 10, IE 11	IE 9, IE 10, IE 11	IE 9, IE 10, IE 11	IE 8, IE 9, IE 10, IE 11	IE 8, IE 9, IE 10, IE 11	IE 8, IE 9, IE 10, IE 11
ONVIF Compliant	Yes (Support ONVIF Compliant cameras with ENR v4.01 or newer version)	Yes	Yes	Yes	Yes (Support ONVIF Compliant cameras with NVR3 v3.0.08 or newer version)	Yes (Support ONVIF Compliant cameras with NVR3 v3.0.08 or newer version)	Yes (Support ONVIF Compliant cameras with NVR3 v3.0.08 or newer version)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)
Approvals	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC	CE, FCC

Video Management System

Software NVR



Central Management System



Model	NVR 3	CMS 2
Maximum Number of Cameras	100	Unlimited
Maximum Number of Clients	1 local, 5 remote (concurrent)	1 local, 5 remote (concurrent)
Free License	16	0
Video Resolution	Support all ACTi cameras in all resolutions	Support all ACTi cameras in all resolutions
Compression	H.264, MPEG-4, MJPEG	H.264, MPEG-4, MJPEG
Multi-Streaming	Dual streams	Dual streams
Scheduled Recording	Yes	-
Event Recording	Yes	-
Manual Recording	Yes	Yes
Speed Up	Yes	-
Dual Stream Management	Yes	Yes
Recording Throughput	100 channels at 5MP/15fps	-
Display Layout Mode	1, 4, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64, Custom	1, 4, 5, 6, 8, 9, 10, 12, 16, 18, 24, 25, 35, 36, 48, 49, 64, Custom
Digital Zoom	Yes	Yes
Event Status	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full	Display event status upon alarm or upon connection loss or recovery between server and client or when the allocated disk space is full
Instant Playback	Instant Playback in live view window	Instant Playback in live view window
e-Map	Yes	Yes
PTZ Control	Yes	Yes
Playback Control	Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop	Continuous forward and backward playback with speeds 1x/2x/4x/8x or frame-by-frame; pause; stop
Synchronized Playback	64 channels	64 channels
Local Access	monitor, joystick, keyboard & mouse	monitor, joystick, keyboard & mouse
Remote Access	Workstation, Web Client (IE), Mobile Client (iOS & Android)	Workstation, Web Client (IE), Mobile Client (iOS & Android)
Event Trigger	Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery; Server loss and recovery	NVR: Source loss and recovery; Schedule service start and stop; Disk status Device: Video motion detection; Passive IR sensor; External device through digital input; Video loss and recovery; Network loss and recovery
Event Response	Record video; Pop-up window; Hotspot window; Audio alert; Digital output; Snapshot to FTP; Execute system command; E-mail with snapshots; Go to PTZ preset point	NVR: Play beep sound; Execute system command to activate other programs; E-mail notification Device: Pop-up window with live video; Switch to hotspot window; Play beep sound; Switch view; Send view to TV Wall
Permission Control	Unlimited number of users, Active Directory, Customizable permissions for user groups	Unlimited number of users, Active Directory, Customizable permissions for user groups
Server Operating System	Windows 8, Windows 7, Windows Server 2012, Windows Server 2008	Windows 8, Windows 7, Windows Server 2012, Windows Server 2008
Client PC Operating System	Windows 8, Windows 7, Windows Server 2012, Windows Server 2008	Windows 8, Windows 7, Windows Server 2012, Windows Server 2008
PC Web Browser	IE 8, IE 9, IE 10, IE 11	IE 8, IE 9, IE 10, IE 11
ONVIF Compliant	Yes (support ONVIF Compliant cameras with NVR3 v3.0.08 or newer version)	Yes (support ONVIF Compliant cameras with CMS2 v2.0.07 or newer version)

2014 Product Roadmap Matrix

D / E Series

Product Type			Cube		Fisheye Cube	Box					Bullet					Mini Bullet	Mini Dome			Dome												Mini Fisheye Dome	
																																	
Application Environment			Indoor		Indoor	Indoor/Outdoor					Outdoor					Outdoor	Indoor		Outdoor	Indoor						Outdoor						Indoor	Outdoor
Lens			Fixed focal		Fixed focal	Fixed focal		Vari-focal		Zoom	Fixed focal		Vari-focal		Zoom	Fixed focal	Fixed focal		Fixed focal	Fixed focal			Vari-focal		Zoom	Fixed focal			Vari-focal		Zoom	Fixed focal	Fixed focal
Product Platfrom			D1x	E1x	E1x	D2x	E2x	D2x	E2x	E2x	D3x	E3x	D4x	E4x	E4x	E3x	D9x	E9x	E9x	D5x	E5x	D6x	E6x	E6x	D7x	E7x	D8x	E8x	E8x	E9x	E9x		
Day Only	Standard	1MP	D11	E11													D91	E91		D51	E51												
		3MP	D12	E12														D92	E92		D52												
		5MP		E13	E15														E93	E920 E920M												E96	E921 E921M
		10MP		E14	E16														E97	E922 E922M												E98	E923 E923M
	Super Low Light	1.3MP																	E94				D61A	E66A									
		2MP																	E95	E910			D62	E67									
		6MP																	E932														
	Complicated Light	3MP																	E913	E918 E918M													E919 E919M
Day & Night	Standard	1MP				D21FA	E21FA	D21VA	E21V E21VA		D31	E31	D41	E41 E41A						D54	E52	D64	E61			D71A	E71A	D81A	E81A				
		3MP									D32	E32	D42	E42A E42B						D55	E53	D65A	E62A			D72A	E72	D82A	E82A				
		5MP				D22FA	E22FA	D22VA	E22VA	E213 (10x)		E33		E43B	E413 (10x)				E924		E54		E63A	E616 (4.3x)		E73A		E83A	E815 (4.3x)			E925	
		10MP					E270		E271	E214 (5x)		E37		E48	E414 (5x)				E926		E59		E610	E617 (4.3x)		E77		E89	E816 (4.3x)			E927	
	Super Low Light	1.3MP							E25 E25A			E35		E47							E57		E68			E75		E88					
		2MP							E23A			E36		E44							E58		E69			E76		E84A					
		6MP				E280			E281										E930							E710						E931	
	Complicated Light	1MP												E45									E64					E85					
		1.3MP								E223 (10x)					E418 (10x)									E621 (4.3x)						E822 (4.3x)			
		3MP							E24A	E215 (10x)		E34		E46	E415 (10x)				E928		E56		E65A	E618 (4.3x)		E74A		E86A	E817 (4.3x)			E929	
	Complicated Light + Super Low Light	2MP							E212 E222	E219 (10x)							E38							E620 (4.3x)		E78							
		6MP							E220																								
		12MP							E221																					E821 (4.3x)			

Available Now

Available in Q4, 2014

The availability information here is for reference only. Please visit our website at www.acti.com for the latest information.

2014 Product Roadmap Matrix

KCM / B / I Series

Product Type			Box			Bullet		Dome						Fisheye Dome	Hemispheric Dome						Mini PTZ	PTZ					Speed Dome			
								 							 															
Application Environment			Indoor	Indoor/Outdoor		Outdoor	Outdoor		Indoor			Outdoor			Indoor	Indoor			Outdoor			Outdoor	Indoor		Outdoor			Outdoor		
Lens			Zoom	Zoom		Zoom	Zoom		Fixed focal	Zoom		Fixed focal	Zoom		Fixed focal	Fixed focal			Fixed focal			Zoom	Zoom		Zoom			Zoom		
Product Platform			KCM-5xxx	B2x	I2x	KCM-5xxx	B4x	I4x	B5X	KCM-3xxx	B6x	KCM-7xxx	KCM-7xxx	B8x	I8x	B5x	KCM-39xx	B5x	I5x	KCM-79xx	B7x	I7x	B9x	KCM-8xxx	I9x	KCM-8xxx	B9x	I9x	I9x	
Day & Night	Standard	5MP		B21 (12x) B28 (30x)			B41 (12x) B418 (20x) B48 (30x)		B51		B61 (3x)			B81 (3x)		B54							B96 (10x)							
		8MP		B220 (20x) B221 (30x)			B420 (20x) B421 (30x)																B99 (10x)							
		10MP		B210 (10x)			B410 (10x)		B52							B55														
	Super Low Light	1.3MP		B24 (10x)			B44 (10x)				B64 (3x)			B84 (3x)									B94 (10x)							
		2MP		B25 (10x)			B45 (10x)				B65 (3x)			B85 (3x)									B95 (10x)							
		4MP	KCM-5211 (18x)									KCM-7111											B910 (10x)							
		5MP		B217 (20x)										B88 (10x)													B920 (20x) B921 (30x)			
	Complicated Light	3MP		B211 (30x) B216 (20x) B27 (12x)			B411 (30x) B417 (20x) B47 (12x)		B53		B67(3x)			B87 (3x)		B56							B97 (10x)				B918 (20x) B919 (30x)			
	Complicated Light + Super Low Light	1MP			I24 (30x)			I44 (30x)							I84 (10x)										I91 (30x)			I93 (30x)	I95 (30x)	
		2MP		B214 (20x) B215 (30x)	I25 (30x) I28 (33x)	KCM-5511 (22x) KCM-5611 (18x)	B415 (20x) B416 (30x)	I45 (30x) I48 (30x)							I85 (10x) I88 (10x)									KCM-8111 (18x)	I92 (30x)	KCM-8211 (18x)	B916 (20x) B917 (30x)	I94 (30x)	I921 (20x) I922 (30x) I923 (20x) I924 (30x) I96 (30x) I98 (33x)	
		3MP												B89 (10x)													B930 (20x) B931 (30x)			
		4MP				KCM-5211E (18x)				KCM-3311 (3.6x)			KCM-7311 (3.6x)		I87 (10x)		KCM-3911		I51		KCM-7911				I912 (33x)				I910 (33x) I911 (33x)	
		5MP																	I51			I71								
		6MP												B811 (10x)	I86 (10x)			B59			B74	I73				B927 (30x)			I933 (20x) I934 (30x) I935 (20x) I936 (30x)	
		8MP													I810 (10x)															
10MP																		I52			I72									
12MP													B815 (10x)	I83 (10x)												B928 (20x) B929 (30x)				

 Available Now

 Available in Q4, 2014

The availability information here is for reference only. Please visit our website at www.acti.com for the latest information.

Mounting Accessory Matrix

Camera Type	Camera Installation Series		Example Models	Target Surface	Mounting Method											
					Surface	Rough Surface	Flush	Gang Box	Pendant	Tilted Mount	Accessory Set*	Wall Mount	By Bracket	By Integrated Bracket	Converter for NPT Standard Mounts	
Cube	Cube		D1x, E1x	Ceiling									Y			
				Wall									Y			
Box	Indoor / Outdoor Box		B2x, D2xx, E2x, E2xx, I2x, KCM-5211	Ceiling									Y			
				Wall							Y (w/ Housing)		Y			
				Pole							Y (w/ Housing)					
	Outdoor-Ready Box		KCM-5211E, KCM-5511, KCM-5611	Wall									Y			
				Pole							Y					
				Corner							Y					
Bullet	Bullet with Bundled Removable Bracket		D3x, D4x, E3x, E47, E41x ~ E43x	Ceiling									Y			
				Wall								Y		Y		
				Pole							Y					
	Bullet with Integrated Bracket		B4x, I4x, E44 ~ E46	Ceiling				Y (E4x only)					Y (B4x only)	Y (E4x only)		
				Wall				Y					Y			
				Pole							Y					
Dome	Mini Dome & Mini Fisheye Dome		D9x, E9x, E9xx ACM-3701E	Ceiling	Y			Y	Y						Y	
				Wall	Y			Y				Y				
	Indoor Dome		B5x, D5x, E5x B6x, D6x, E6x KCM-3311, TCM-3111	Ceiling	Y		Y	Y	Y						Y	
				Wall	Y			Y			Y	Y				
				Pole					Y		Y					
				Corner							Y					
	Outdoor Dome		D7x, D8x, E7x, E8x, B8x, ACM-7411, KCM-7111, KCM-7311	Ceiling	Y		Y	Y	Y						Y	
				Wall	Y			Y			Y	Y				
				Pole					Y		Y					
				Corner							Y					
	Indoor Hemispheric & Fisheye Dome		B54, B55, B56, I5x, KCM-3911	Ceiling	Y		Y	Y	Y						Y	
				Wall	Y			Y		Y	Y	Y				
				Pole					Y	Y	Y					
				Corner						Y	Y					
	Outdoor Hemispheric & Fisheye Dome		I7x, KCM-7911	Ceiling	Y	Y		Y	Y							
				Wall	Y			Y		Y	Y	Y				
				Pole					Y	Y	Y					
				Corner						Y	Y					
PTZ	Outdoor Mini PTZ		B94, B95, B96, B97	Ceiling	Y		Y	Y	Y						Y	
				Wall							Y	Y				
				Pole					Y		Y					
				Corner							Y					
				Rooftop / Parapet											Y	
	Indoor PTZ		I91, I92, KCM-8111	Ceiling	Y		Y		Y						Y	
				Wall							Y	Y				
				Pole					Y		Y					
				Corner							Y					
	Outdoor PTZ & Speed Dome		I93 ~ I96, KCM-8211, TCM-6630	Ceiling					Y						Y	
				Wall							Y	Y (I9x only)				
				Pole					Y		Y					
				Corner							Y					
				Rooftop / Parapet											Y	

* Accessory Set refers to combinations of the different mounting accessories, such as pole mount with straight tube and mount kit, etc..

Popular Mounting Accessory Sets

		Ceiling	Wall	Pole	Corner
Dome		PMAX-10xx Flush Mount 	PMAX-0316 Wall Mount for Mini Domes 	SMAx-0155 Pole Mount with Wall Mount 	SMAx-0157 Corner Mount with Wall Mount 
		SMAx-0051 Pendant Mount with Mount Kit 	PMAX-0313 / 0314 Heavy Duty Wall Mount for Indoor / Outdoor Domes 	SMAx-0239 Pole Mount with Junction Box and Wall Mount 	SMAx-0240 Corner Mount with Junction Box and Wall Mount 
PTZ	Outdoor	PMAX-0102 Pendant Mount 	PMAX-0312 PTZ Wall Mount 	SMAx-0226 Pole Mount with Junction Box and PTZ Wall Mount 	SMAx-0227 Corner Mount with Junction Box and PTZ Wall Mount 
	Indoor	SMAx-0052 Pendant Mount with PTZ Mount Kit 	PMAX-0311 L-Type Wall Mount 	SMAx-0103 Pole Mount with Pendant Mount and PTZ Mount Kit 	SMAx-0016 Corner Mount with Gooseneck and PTZ Mount Kit 
Bullet		PMAX-1300 Ceiling Bracket 	PMAX-0806 Gangbox Converter 	PMAX-0504 Pole Mount for Bullet Cameras 	SMAx-0005 Corner Mount with Mounting Bracket 
Box		PMAX-1104 / 1105 Bracket 	SMAx-0229 Wall Mount Bracket with Housing and Mounting Block 	SMAx-0232 Pole Mount with Mounting Bracket, Housing and Mounting Block 	SMAx-0233 Corner Mount with Mounting Bracket, Housing and Mounting Block 

These are some of the most commonly used accessory sets. Please visit <http://www.acti.com/mountingselector> for more mounting accessory solutions.

Optional Lenses

														
Model	PLEN-0101	PLEN-0114	PLEN-0119	PLEN-0121	PLEN-0127	PLEN-0129	PLEN-0130	PLEN-0131	PLEN-0131	PLEN-2102	PLEN-2200	PLEN-4101	PLEN-4103	PLEN-4104
Product Type	Fixed Lens	Fixed Lens	Fixed Lens	Fixed Lens	Vari-focal Lens	Fixed Lens	Fixed Lens	Vari-focal Lens	Fixed Lens	Vari-focal Lens	Vari-focal Lens	Fixed Lens	Fixed Lens	Fixed Lens
Day / Night	Yes	Yes	Yes	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes	Yes
Lens Mount	CS Mount	Board Mount	CS Mount	Board Mount	CS Mount	Board Mount	CS Mount	CS Mount	CS Mount	CS Mount	CS Mount	Board Mount	Board Mount	Board Mount
Focal Length	Fixed focal, f4.2mm	Fixed focal, f4.2mm	Fixed focal, f2.8mm	Fixed focal, f2.8mm	Vari-focal, f3.3-9mm	Fixed focal, f2.93mm	Fixed focal, f2.93mm	Vari-focal, f3.3-9mm	Fixed focal, f2.55mm	Vari-focal, f3.1-13.3mm	Fixed focal, f1.9mm	Fixed focal, f8.0mm	Fixed focal, f6.0mm	Fixed focal, f6.0mm
Iris	Fixed iris, F1.8	Fixed iris, F1.8	Fixed iris, F2.0	Fixed iris, F2.0	DC-Iris, F1.4	Fixed iris, F2.0	Fixed iris, F2.0	Fixed iris, F1.4	Fixed iris, F2.2	DC-Iris, F1.4-4.0	Fixed iris, F2.8	Fixed iris, F1.8	Fixed iris, F1.8	Fixed iris, F1.8
Focus	Manual focus	Fixed focus (adjustable back focus)	Manual focus	Fixed focus (adjustable back focus)	Manual focus	Fixed focus (adjustable back focus)	Manual focus	Manual focus	Fixed focus (adjustable back focus)	Manual focus	Fixed focus (adjustable back focus)	Fixed focus (adjustable back focus)	Fixed focus (adjustable back focus)	Fixed focus (adjustable back focus)
Supported Models	D22F D22FA E12 E13 E21V	E21VA E22F E22FA E22V E22VA	D91 D92 E91 E92	D21FA E11 E21F	E21FA E21V E21VA	ACM-3401 TCM-3111	D21FA D22F D22FA E21F	E21FA E22V E22VA	E11 E12 E13	D7x D8x E14 E7x E8x (E89 excluded)	E270 E271	D11 D11 D12	D91 D92 E91 E92	D91 D92 E91 E92

Optional Dome Covers

																	
Model	PDCX-0101	PDCX-0104	PDCX-0105	PDCX-1001	PDCX-1005	PDCX-1101	PDCX-1102	PDCX-1104	PDCX-1105	PDCX-1106	PDCX-1107	PDCX-1108	PDCX-1109	PDCX-1110	PDCX-1111		
Product Type	Smoke Cover	Smoke Cover	Smoke Cover	Transparent Cover	Transparent Cover	Smoke Cover	Smoke Cover	Smoke Cover	Smoke Cover	Smoke Cover	Smoke Cover	Smoke Cover	Smoke Cover	Smoke Cover	Smoke Cover		
Material	Plastic	Plastic	Plastic	Plastic	Plastic/Aluminum	Plastic	Plastic	Plastic	Plastic/Aluminum	Plastic	Plastic/Aluminum	Plastic/Aluminum	Plastic	Plastic	Plastic		
Dimension	96 mm (3.78")	96 mm (3.78")	96 mm (3.78")	145 mm (5.71")	188 x 127 mm (7.4" x 5")	107.8 mm (4.25")	100 mm (3.94")	105.2 mm (4.14")	134 x 77 mm (5.28" x 3.03")	54 mm (2.13")	180 x 120 mm (7" x 4.7")	188 x 127 mm (7.4" x 5")	107.8 mm (4.25")	69.8 x 22.2 mm (2.7" x 0.9")	64 x 35 mm (2.5" x 1.4")		
Weight	0.23kg (0.51lb)	0.52kg (1.15lb)	0.49kg (1.08lb)	0.64kg (1.41lb)	0.36kg (0.79lb)	0.26kg (0.57lb)	0.132kg (0.29lb)	0.148kg (0.33lb)	0.2kg (0.45lb)	0.012kg (0.03lb)	1kg (2.25lb)	0.36kg (0.79lb)	0.26kg (0.57lb)	0.020 kg (0.044 lb)	0.024 kg (0.053 lb)		
Durability	Standard	Standard	Standard	Vandal Proof (IK10)	Vandal Proof (IK10)	Vandal Proof (IK10)	Standard	Vandal Proof (IK10)	Vandal Resistant (IK09)	Vandal Resistant (IK08)	Vandal Proof (IK10)	Vandal Proof (IK10)	Vandal Proof (IK10)	Vandal Proof (IK10)	Vandal Proof (IK10)		
Supported Models	TCM-3111	D51 D52 E51	D54 D55 E52 E53 E54	E56 E57 E58 E59	TCM-6630	I93 I94 I95 I96	ACM-7411 D8X series B51 E6X series B52 E7X series B53 E8X series D6X series KCM-7111 D7X series (E610 & E89 excluded)	ACM-3701E	E610 E89	I91 I92 KCM-8111	D91 D92 E91 E92 E93	E94 E95 E96 E97 E98	KCM-8211	I93 I94 I95 I96	B61 B64 B85 B86 B87 B88 B94 B95 B96 B97 B98	I71	E918 E919 E920 E921 E922 E923

Power Supply Accessories

						
Model	PPBX-0002	PPOE-0000	PPOE-0001	PPOE-0101	PPOE-0102	PPOE-4000
Product Type	Power Adapter	PoE Injector	PoE Injector	PoE Injector	PoE Injector	PoE Injector
Description	AC 100-240V to DC 12V power adapter with universal connector (can be used with all the DC 12V powered devices)	IEEE802.3af PoE Injector for Class 1, 2 or 3 devices	IEEE802.3af PoE Injector for Class 1, 2 or 3 devices, with universal adapter	High PoE injector for KCM-8111, I91 and I92	High PoE injector for KCM-8211 and I93-I96	IEEE802.3af PoE Injector for Class 1, 2 or 3 devices
Power Connector Type	Universal	US/Japan	Universal	Universal	Universal	Australia
Supported Models	All the DC 12V powered devices	E21F E21FA E41 E41A E21VA E42A E22F E22FA E22V E43A E22VA E43B	B4x B5x E68 E69 E71 E72 E72A E73 E59 E68 E69 E71 E72 E72A E73	I91 I92 KCM-8111	I93 I94 I95 I96 KCM-8211	E21F E21FA E41 E41A E21VA E42A E22F E22FA E22V E43A E22VA E43B

Standalone NVR Accessories

		
Model	PMAx-1200	PMAx-1201
Product Type	Standalone NVR Mount	Standalone NVR Mount
Description	19" sliding rail for rack mounting of Rackmount Standalone NVR (INR-410, INR-420)	26" sliding rail for rack mounting of Rackmount Standalone NVR (INR-410, INR-420)
Supported Models	INR-410 / INR-420	INR-410 / INR-420

Video Encoder/Decoder Accessories

		
Model	RMK-2000	RMK-3000
Product Type	Video Encoder Mount	Video Encoder Mount
Description	4U Rackmount kit for video encoders/decoders, 8 slots	4U Rackmount kit for video encoders/decoders, 8 slots
Fan	Yes, 1 per slot	No
Supported Models	TCD-2100	TCD-2100

ACTi Corporation

ACTi Corporation is an end-to-end IP video surveillance solution provider, covering all the way from Security to Business management solutions. The core value of ACTi is to deliver these solutions through in-house developed technologies applied to its whole product line. The products include IP cameras, video management software and video analytics that are seamlessly unified. These solutions are customized for all markets through the comprehensive support of pre-sales and post-sales service tools and utilities and a 24/7 Technical support worldwide.

Sales Contact
sales@acti.com

Global

ACTi Corporation

7F, No. 1, Alley 20, Lane 407, Sec. 2, Ti-Ding Blvd.,
Neihu District, Taipei, Taiwan 114, R.O.C.
P: +886-2-2656-2588 F: +886-2-2656-2599

US/Canada

ACTi Corporation Inc

10 Edelman, Irvine, CA 92618.
Toll Free: 1-866-410-ACTI (2284)

DISTRIBUTED BY _____



Copyright © 2003-2014 ACTi Corporation. All specifications are subject to change without notice.
All brand names and registered trademarks are the property of their respective owners.



SEG-140812-000