



Product Brochure

IP Surveillance Solutions



A Leading IP Surveillance Solution Provider

VIVOTEK INC. (TAIEX:3454), established in Taiwan in 2000, has quickly grown into a prestigious leading brand in the security industry. Known for delivering world-class IP surveillance solutions, VIVOTEK's products are future-proof and highly reliable, facilitating the transition from traditional CCTV to wholly digital IP surveillance. Its comprehensive product lineup includes network cameras, video servers, NVRs, PoE solutions, and central management software, providing a wide portfolio of products and solutions for any application.

Through more than 183 authorized distributors in over 116 countries, VIVOTEK's broad array of products are successfully deployed by security dealers, telecoms and system integrators for a variety of applications and projects including retail, banking, city surveillance, hotel, transportation, education and more.



CONVERGENCE of
V^Ideo, V^Oice and C^Omunication **TEK**nology



Environmental Commitment

With the increasing environmental challenges of our time, VIVOTEK is deeply aware of the importance of coexisting with the environment for sustainable development. VIVOTEK has implemented a comprehensive, eco-friendly manufacturing policy applied to the product design, com-

ponent selection, production, quality testing, packaging and shipping processes, effectively minimizing our carbon footprint on the environment. Together, we can be responsible stewards of a vibrant and sustainable future.

Green Design Guidelines

- Eliminating the use of hazardous substances (HSF)
- Easy disassembly and recycling (WEEE)
- Eco-design (ErP)

2017 Highlights

With more than 16 years in IP surveillance, VIVOTEK continues making state-of-the-art products to keep our customers at the forefront of technology. VIVOTEK offers the most in

advanced, integrated applications by paying close attention to detail and through innovative R&D. In 2017, we are pleased to present the following solutions:



H.265 Total Solution



Retail Solution



City Surveillance Solution





Transportation Solution

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Cabinet			

Network Cameras

Network Cameras


Form Factor	Box Cameras			Box Cameras			
Video Resolution	1.3 Megapixel	2 Megapixel		2 Megapixel	3 Megapixel	5 Megapixel	
							
Model Name	IP8155HP	IP8166	IP816A-HP	IP816A-LPC (18mm) IP816A-LPC (40mm)	IP816A-LPC Kit	IP9171-HP	IP9181-H
Summary	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, SNV*, Remote Back Focus	2MP, 30fps, H.264/MJPEG, SNV*, Smart Stream II	2MP, 30fps, H.264/MJPEG, WDR Pro, SNV*, Remote Back Focus	2MP, 60fps, H.264/MJPEG, WDR Pro, SNV*, Remote Back Focus	License Plate Capture, Dual Lanes, Headlight Filter, 60MPH (90KM/H), Scene Overview, Remote Back Focus	3MP, 30fps, H.265/H.264/MJPEG, Remote Back Focus, SNV*, WDR Pro, Smart Stream II	5MP, 30fps, H.265/H.264/MJPEG, Remote Back Focus, SNV*, WDR Pro, Smart Stream II
Sensor Type	1/3" Progressive CMOS	1/2.8" Progressive CMOS	1/1.9" Progressive CMOS	1/1.9" Progressive CMOS	1/1.9" Progressive CMOS	1/2.8" Progressive CMOS	1/1.8" Progressive CMOS
Lens Type	Vari-focal Remote Back Focus	Vari-focal	Vari-focal Remote Back Focus	Vari-focal Remote Back Focus	Vari-focal Remote Back Focus	Vari-focal Remote Back Focus	Vari-focal Remote Back Focus
F-number	F1.2 ~ F1.95	F1.4 ~ F2.4	F1.4 ~ F1.3	F1.4 ~ F1.3 [IP816A-LPC (18mm)] F2.36 ~ F2.44 [IP816A-LPC (40mm)]	F2.36 ~ F2.44	F1.2 ~ F1.95	F1.2 ~ F2.4
Focal Length	f = 2.8 ~ 8 mm	f = 2.8 ~ 12 mm	f = 4 ~ 18 mm	f = 4 ~ 18 mm [IP816A-LPC (18mm)] f = 12 ~ 40 mm [IP816A-LPC (40mm)]	f = 12 ~ 40 mm	f = 2.8 ~ 8 mm	f = 4.1 ~ 9 mm
Field of View	36° ~ 106° (H) 29° ~ 84° (V)	38° ~ 101° (H) 21° ~ 63° (V)	29° ~ 106° (H) 16° ~ 60° (V)	IP816A-LPC (18mm): 29° ~ 106° (H), 16° ~ 60° (V) IP816A-LPC (40mm): 10° ~ 30° (H), 8° ~ 22° (V)	10.2° ~ 30° (H) 8° ~ 22° (V)	51° ~ 114° (H) 39° ~ 84° (V)	46° ~ 90° (H) 35° ~ 68° (V)
Auto-iris	P-iris (DC-iris reserved)	DC-iris (P-iris reserved)	P-iris (DC-iris reserved)	P-iris (DC-iris reserved)	P-iris (DC-iris reserved)	P-iris (DC-iris reserved)	DC-iris (P-iris reserved)
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	-	-	-	-	-	-	-
Min. Illumination	0.03 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.08 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)	0.03 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)	Illumination Threshold: 300 Lux @ IR On 600 Lux @ IR Off	External IR LEDs: 300 Lux @ IR On 600 Lux @ IR Off	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.07 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)
Max. Video Resolution	1280x1024 (1.3MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3MP)	2560x1920 (5MP)
Frames per Second	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1920x1080	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	30 fps @ 1920x1080 60fps @ 1920x1080 (one-stream mode only)	H.265/H.264: 30 fps @ 2048x1536 MJPEG: 15 fps @ 2048x1536	H.265/H.264: 30 fps @ 2560x1920, 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920, 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	2 Streams	4 Streams	2 Streams	2 Streams	2 Streams	3 Streams	4 Streams
WDR Technology*	WDR Pro II	WDR Enhanced	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	-	-	-
Power Input	DC 12V AC 24V PoE	DC 12V AC 24V PoE	DC 12V AC 24V PoE	DC 12V AC 24V PoE	AC 24V	DC 12V AC 24V PoE	DC 12V AC 24V PoE
Power Consumption	Max. 8.3 W (DC 12V) Max. 14.4 W (AC 24V) Max. 10.1 W (PoE)	Max. 6.8 W	Max. 9.2 W (DC 12V) Max. 15.4 W (AC 24V) Max.12.2 W (PoE)	Max. 9.2 W (DC 12V) Max. 15.4 W (AC 24V) Max.12.2 W (PoE)	Max. 7.7 W	Max. 8.6 W	Max. 9.7 W
Digital Input / Output	3/1	3/1	3/1	3/1	3/1	3/1	3/1
Audio	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output
Audio Compression	AAC, G.711, G.726	G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S	Profile S/G	Profile S	Profile S	Profile S	Profile S/G	Profile S/G
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	-	-	-	IP66, IK10	-	-
Dimensions	210 (D) x 70 (W) x 63 (H) mm	193 (D) x 70 (W) x 61 (H) mm	231 (D) x 70 (W) x 64 (H) mm	231 (D) x 70 (W) x 64 (H) mm	463 (D) x 310 (W) x 109 (H) mm (Kit) 210 (D) x 70 (W) x 63 (H) mm (Camera) 157 (D) x 105 (W) x 81 (H) mm (IR LEDs)	210 (D) x 70 (W) x 63 (H) mm	210 (D) x 70 (W) x 63 (H) mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 60°C (14°F ~ 140°F)	-10°C ~ 60°C (14°F ~ 140°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)

*WDR Enhanced: Achieved with tone mapping technology, which reduced the dynamic range of an entire image with retaining contrast.
 *WDR Pro: Captures 2 to 3 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Enhanced.
 *WDR Pro II: Captures 4 alternate frames using different exposure times, combining them into a single image. Generally more powerful than WDR Pro.

*SNV: Supreme Night Visibility, by professionally integrating superior optical components and sophisticated video algorithms, SNV cameras present Supreme Night Visibility in low light conditions.

Network Cameras

Network Cameras













Form Factor	Mini-box Cameras		Bullet Cameras		Bullet Cameras		
Video Resolution	3 Megapixel		1.3 Megapixel	2 Megapixel	2 Megapixel		3 Megapixel
							
							
Model Name	IP8173H	IP8355H/55EH	IB8367A	IB8369A	IB836BA-HF3/6BA-EHF3	IB836BA-HT/6BA-EHT	IB9371-HT/71-EHT
Summary	3MP, 20fps, H.264/MJPEG/MPEG-4, WDR Pro, P-iris, Compact Size	1.3MP, 30fps, H.264/MJPEG, P-iris, WDR Pro II, SNV*, Remote Focus	2MP, 30fps, H.264/MJPEG, SNV*	2MP, 30fps, H.264/MJPEG, SNV*	2MP, 30fps, H.264/MJPEG, WDR, SNV*, Cable Management	2MP, 30fps, H.264/MJPEG, P-iris, WDR, SNV*, Remote Focus, Cable Management	3MP, 30fps, H.265/H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II, Cable Management
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" progressive CMOS
Lens Type	Vari-focal	Vari-focal Remote Focus	Vari-focal Manual Focus	Fixed-focal	Fixed-focal	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F1.2 ~ F1.95	F1.2 ~ F2.3	F1.4 ~ F2.4	F2.1	F2.1	F1.8 ~ F2.85	F1.2 ~ F2.3
Focal Length	f = 2.8 ~ 8 mm	f = 3 ~ 9 mm	f = 2.8 ~ 12 mm	f = 3.6 mm	f = 3.6 mm	f = 2.8 ~ 12 mm	f = 3 ~ 9 mm
Field of View	46° ~ 94° (H) 35° ~ 70° (V)	34° ~ 80° (H) 27° ~ 62° (V)	36° ~ 101° (H) 20° ~ 55° (V)	78° (H) 42° (V)	90° (H) 46° (V)	34° ~ 112° (H) 19° ~ 59° (V)	39° ~ 82° (H) 29° ~ 60° (V)
Auto-iris	P-iris	P-iris	DC-iris	-	-	P-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	-	30 m, IR LED*4	30 m, IR LED*10	30 m, IR LED*10	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8
Min. Illumination	0.18 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.05 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)	0.07 Lux @ F2.1 (Color) 0.01 Lux @ F2.1 (B/W)	0.16 Lux @ F2.1 (Color) 0.01 Lux @ F2.1 (B/W)	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Max. Video Resolution	2048x1536 (3.1MP)	1280x1024 (1.3MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3MP)
Frames per Second	20 fps @ 2048x1536 30 fps @ 1920x1080	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	H.265/H.264: 30 fps @ 2048x1536 MJPEG: 15 fps @ 2048x1536
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	3 Streams	2 Streams	4 Streams	4 Streams	4 Streams	4 Streams	3 Streams
WDR Technology*	WDR Pro	WDR Pro II	WDR Enhanced	WDR Enhanced	WDR	WDR	WDR Pro
3DNR	-	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	EZConnect App	EZConnect App	-	-	-
Power Input	PoE	DC 12V AC 24V PoE	PoE	PoE	DC 12V PoE	DC 12V PoE	DC 12V PoE
Power Consumption	Max. 4.4 W	IP8355H: Max. 11 W (DC 12V) Max. 24.4 W (AC 24V) Max. 11 W (PoE) IP8355EH: Max. 30/8 W (DC 12V-Heater on/off) Max. 30/8.8 W (AC 24V-Heater on/off) Max. 11 W (PoE)	Max. 10 W	Max. 10 W	IB836BA-HF3: Max. 9 W IB836BA-EHF3: Max. 25 W (Heater on)	IB836BA-HT: Max. 13 W IB836BA-EHT: Max. 25 W (Heater on)	IB9371-HT: Max. 11 W IB9371-EHT: Max. 23.6 W (Heater on)
Digital Input / Output	1/0	1/1	-	-	1/1	1/1	1/1
Audio	Two-way Audio External microphone input External line output	Two-way Audio External microphone input Audio output	-	-	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output
Audio Compression	GSM-AMR, AAC, G.711	AAC, G.711, G.726	-	-	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S	Profile S	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC card slot
Housing	-	IP67	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)
Dimensions	101 (D) x 80 (W) x 70 (H) mm	Ø 91 x 221 mm	Ø 72 x 327 mm	Ø 72 x 300 mm	Ø 88 x 293 mm	Ø 88 x 293 mm	Ø 88 x 293 mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F) (IP8355H) -50°C ~ 50°C (-58°F ~ 122°F) (IP8355EH) -20°C ~ 50°C (-4°F ~ 122°F) (PoE)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F) (IB836B-HF3) -50°C ~ 50°C (-58°F ~ 122°F) (IB836B-EHF3)	-20°C ~ 50°C (-4°F ~ 122°F) (IB836B-HT) -50°C ~ 50°C (-58°F ~ 122°F) (IB836B-EHT)	-20°C ~ 50°C (-4°F ~ 122°F) (IB9371-HT) -50°C ~ 50°C (-58°F ~ 122°F) (IB9371-EHT)

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Network Cameras

Network Cameras









Form Factor	Bullet Cameras			Bullet Cameras			Daisy-chain PoE Cameras
Video Resolution	4 Megapixel		5 Megapixel	5 Megapixel		2 Megapixel	1 Megapixel
							
							
Model Name	IB8377-H	IB8379-H	IB8382-F3/82-EF3	IB8382-T/82-ET	IB9381-HT/81-EHT	IZ9361-EH	IB8338-HR
Summary	4MP, 30fps, H.264/MJPEG, WDR Pro, Smart Stream II	4MP, 30fps, H.264/MJPEG, WDR Pro, Smart Stream II	5MP, 15fps, H.264/MJPEG, SNV*, 3DNR, Cable Management	5MP, 15fps, H.264/MJPEG, P-irs, Remote Focus, 3DNR, SNV*, Cable Management	5MP, 30fps, H.265H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II, Cable Management	2MP, 60fps, 150M VAIR, H.265/H.264/MJPEG, 20x, WDR Pro, Smart Stream II, IP67, NEMA 4X	1MP, 30fps, H.264/MJPEG, WDR Pro, P-iris
Sensor Type	1/3" progressive CMOS	1/3" progressive CMOS	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/1.8" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Lens Type	Vari-focal	Fixed-focal	Fixed-focal	Vari-focal Remote Focus	Vari-focal Remote Focus	20x Optical Zoom Auto Focus	Vari-focal
F-number	F1.4 ~ F2.2	F1.8	F2.1	F1.2 ~ F2.3	F1.3 ~ F2.2	F1.6 ~ F3.5	F1.8 ~ F2.85
Focal Length	f = 2.8 ~ 12 mm	f = 2.8 mm	f = 3.6 mm	f = 3 ~ 9 mm	f = 4 ~ 9 mm	f = 4.7 ~ 94 mm	f = 2.8 ~ 12 mm
Field of View	33° ~ 105° (H) 18° ~ 54° (V)	114° (H) 61° (V)	68° (H) 51° (V)	35° ~ 78° (H) 27° ~ 54° (V)	45° ~ 84° (H) 34° ~ 62° (V)	2.9° ~ 55.4° (H) 1.6° ~ 32.6° (V)	33° ~ 87° (H) 21° ~ 54° (V)
Auto-iris	DC-iris	-	-	P-iris	P-iris	DC-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*10	30 m, IR LED*10	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	150 m	30 m, IR LED*6
Min. Illumination	0.1 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)	0.18 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.089 Lux @ F2.1 (Color) 0.001 Lux @ F2.1 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	0.27 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
Max. Video Resolution	2688x1520 (4MP)	2688x1520 (4MP)	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)	1920x1080 (2MP)	1280x800 (1MP)
Frames per Second	30 fps @ 2688x1520 (w/o WDR Pro) 24 fps @ 2560x1440	30 fps @ 2688x1520 (w/o WDR Pro) 24 fps @ 2560x1440	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	H.265/H.264: 30 fps @ 2560x1920, 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920, 30 fps @ 1920x1080	H.265/H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080	30 fps @ 1280x800
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	3 Streams	4 Streams	4 Streams	4 Streams	4 Streams	3 Streams
WDR Technology*	WDR Pro	WDR Pro	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	-	-	-
Power Input	PoE	PoE	DC 12V PoE	DC 12V PoE	DC 12V PoE	60W UPoE DC 24V AC 24V	PoE
Power Consumption	Max. 8.5 W	Max. 8.5 W	IB8382-F3: Max. 9 W IB8382-EF3: Max. 25 W (Heater on)	IB8382-T: Max. 9.5 W IB8382-ET: Max. 25 W (Heater on)	IB9381-HT: Max. 12.7 W IB9381-EHT: Max. 25.5 W (Heater on)	Max. 48/18 W (Heater on/off)	Max. 10 W
Digital Input / Output	-	-	1/1	1/1	1/1	3/1	1/1
Audio	-	-	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input Audio output
Audio Compression	-	-	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S
On-board Storage	MircoSD/SDHC/SDXC card slot	MircoSD/SDHC/SDXC card slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	IP67, IK10, NEMA 4X	IP66
Dimensions	Ø 72 x 327 mm	Ø 72 x 300 mm	Ø 88 x 293 mm	Ø 88 x 293 mm	Ø 88 x 293 mm	147 x 375 x 322 mm	Ø 82 x 283 mm
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) (IB8382-F3) -50°C ~ 50°C (-58°F ~ 122°F) (IB8382-EF3)	-20°C ~ 50°C (-4°F ~ 122°F) (IB8382-T) -50°C ~ 50°C (-58°F ~ 122°F) (IB8382-ET)	-20°C ~ 50°C (-4°F ~ 122°F) (IB9381-HT) -50°C ~ 50°C (-58°F ~ 122°F) (IB9381-EHT)	-50°C ~ 60°C (-58°F ~ 140°F)	-20°C ~ 50°C (-4°F ~ 122°F)

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Network Cameras

Network Cameras








Form Factor	Daisy-chain PoE Cameras			Fixed Dome Cameras			
Video Resolution	2 Megapixel	3 Megapixel	5 Megapixel	1.3 Megapixel		2 Megapixel	
		 					
Model Name	IB8367-R/67-RT	IB9371-HRT	IB9381-HRT	FD8155H	FD8355HV/55EHV	FD8166A	FD8166A-N
Summary	2MP, 30fps, H.264/MJPEG, P-iris, SNV*, Remote Focus (IB8367-RT)	3MP, 30fps, H.265/H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II	5MP, 30fps, H.265H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, SNV*, Remote Focus	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, SNV*, Remote Focus	2MP, 30fps, H.264/MJPEG, SNV*, Smart Stream II, Compact Size	2MP, 30fps, H.264/MJPEG, SNV*, 940nm IR, Smart Stream II, Compact Size
Sensor Type	1/2.8" Progressive CMOS	1/2.8" progressive CMOS	1/1.8" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Lens Type	Vari-focal Remote Focus (IB8367-RT)	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Fixed-focal	Fixed-focal
F-number	F1.8 ~ F2.85	F1.2 ~ F2.3	F1.3 ~ F2.2	F1.3 ~ F2.5	F1.3 ~ F2.5	F1.8	F1.8
Focal Length	f = 2.8 ~ 12 mm	f = 3 ~ 9 mm	f = 4 ~ 9 mm	f = 3 ~ 10 mm	f = 3 ~ 10 mm	f = 2.8 mm	f = 2.8 mm
Field of View	32' ~ 101' (H) 17' ~ 55' (V)	39' ~ 82' (H) 29' ~ 60' (V)	45' ~ 84' (H) 34' ~ 62' (V)	30' ~ 95' (H) 24' ~ 75' (V)	30' ~ 95' (H) 24' ~ 75' (V)	113' (H) 63' (V)	113' (H) 63' (V)
Auto-iris	P-iris	P-iris	P-iris	P-iris	P-iris	-	-
Day/Night	Yes	Yes	Yes	Yes	Yes	-	-
IR Illuminators	30 m, IR LED*6	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*4	30 m, IR LED*4	-	6 m, 940nm IR
Min. Illumination	0.06 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.05 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.05 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.05 Lux @ F1.8	0.05 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) 0 Lux with IR LED on
Max. Video Resolution	1920x1080 (2MP)	2048x1536 (3MP)	2560x1920 (5MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080	H.265/H.264: 30 fps@ 2048x1536 MJPEG: 15 fps@ 2048x1536	H.265/H.264: 30 fps @ 2560x1920, 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920, 30 fps @ 1920x1080	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps@ 1920x1080	30 fps@ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	3 Streams	4 Streams	2 Streams	2 Streams	4 Streams	4 Streams
WDR Technology*	WDR Enhanced	WDR Pro	WDR Pro	WDR Pro II	WDR Pro II	WDR Enhanced	WDR Enhanced
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	-	EZConnect App	EZConnect App
Power Input	PoE, PoE Plus, UPoE	DC 12V PoE	DC 12V PoE	DC 12V AC 24V PoE	DC 12V AC 24V PoE	PoE	PoE
Power Consumption	IB8367-R: Max. 10 W IB8367-RT: Max: 12.6 W	Max. 12.95 W	Max. 12.95 W	Max. 10.6 W	FD8355HV: Max. 10.6 W FD8355EHV: Max. 30.3 W (Heater on)	Max. 3 W	Max. 4.75 W
Digital Input / Output	1/1	1/1	1/1	1/1	1/1	1/0	-
Audio	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	Two-way Audio External microphone input Audio output	One-way Audio Built-in Microphone	One-way Audio Built-in Microphone
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S	Profile S/G	Profile S/G	Profile S	Profile S	Profile S/G	Profile S/G
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC card slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	IP66	IP66, IK10 (Metal housing)	IP66, IK10 (Metal housing)	-	IP66, IK10	-	-
Dimensions	Ø 82 x 283 mm	Ø 88 x 293 mm	Ø 88 x 293 mm	Ø 157 x 109 mm	Ø 173 x 115 mm	Ø 90 x 50 mm	Ø 90 x 50 mm
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) (FD8355HV) -50°C ~ 50°C (-58°F ~ 122°F) (FD8355EHV) -20°C ~ 50°C (-4°F ~ 122°F) (PoE)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)

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Network Cameras

Network Cameras

Form Factor	Fixed Dome Cameras			Fixed Dome Cameras			
Video Resolution	2 Megapixel			2 Megapixel			
							
Model Name	FD8167A	FD8367A-V	FD8168	FD8169A	FD8369A-V	FD816BA-HF2	FD816BA-HT
Summary	2MP, 30fps, H.264/MJPEG, SNV*	2MP, 30fps, H.264/MJPEG, SNV*	2MP, 15fps, H.264/MJPEG, Ultra-mini Size	2MP, 30fps, H.264/MJPEG, SNV*	2MP, 30fps, H.264/MJPEG, SNV*	2MP, 30fps, H.264/MJPEG, WDR, SNV*, PIR	2MP, 30fps, H.264/MJPEG, P-iris, WDR, SNV*, PIR, Remote Focus
Sensor Type	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/2.7" Progressive CMOS	1/2.9" Progressive CMOS	1/2.9" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Vari-focal Manual Focus	Vari-focal Manual Focus	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Vari-focal Remote Focus
F-number	F1.4 ~ F2.4	F1.4 ~ F2.4	F1.8	F1.8	F1.8	F1.8	F1.8 ~ F2.85
Focal Length	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm	f = 3.6 mm	f = 2.8 mm	f = 2.8 mm	f = 2.8 mm	f = 2.8 ~ 12 mm
Field of View	33' ~ 97' (H) 19' ~ 53' (V)	33' ~ 97' (H) 19' ~ 53' (V)	97' (H) 52' (V)	105' (H) 60' (V)	105' (H) 60' (V)	122' (H) 66' (V)	34' ~ 107' (Horizontal) 19' ~ 56' (Vertical)
Auto-iris	DC-iris	DC-iris	-	-	-	-	P-iris
Day/Night	Yes	Yes	-	Yes	Yes	Yes	Yes
IR Illuminators	20 m, IR LED*8	30 m, IR LED*8	-	20 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8
Min. Illumination	0.05 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)	0.05 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)	0.58 Lux @ F1.8	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.15 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 1920x1080	15 fps @ 1920x1080 30 fps @ 1280x720	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	3 Streams	4 Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	-	WDR Enhanced	WDR Enhanced	WDR	WDR
3DNR	Yes	Yes	-	Yes	Yes	Yes	Yes
Cloud Service	EZConnect App	EZConnect App	-	EZConnect App	EZConnect App	-	-
Power Input	PoE	PoE	PoE	PoE	PoE	DC 12V PoE	DC 12V PoE
Power Consumption	Max. 8.5 W	Max. 10.5 W	Max. 2.3 W	Max. 8.5 W	Max. 10.5 W	Max. 9 W	Max. 13 W
Digital Input / Output	-	-	-	-	-	1/1	1/1
Audio	-	-	-	-	-	Two-way Audio Built-in microphone External line input External line output	Two-way Audio Built-in microphone External line input External line output
Audio Compression	-	-	-	-	-	G.711, G.726	G.711, G.726
ONVIF	Profile S/G	Profile S/G	Profile S	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	IP66, IK10	-	-	IP66, IK10	-	-
Dimensions	Ø 129 x 94 mm	Ø 129 x 93 mm	Ø 62 x 50 mm	Ø 129 x 94 mm	Ø 129 x 93 mm	Ø 138 x 103 mm	Ø 138 x 103 mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 40°C (-4°F ~ 104°F)	-10°C ~ 50°C (14°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)

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Network Cameras

Network Cameras











Form Factor	Fixed Dome Cameras			Fixed Dome Cameras			
Video Resolution	2 Megapixel			3 Megapixel	4 Megapixel		
Model Name	FD836BA-HVF2/6BA-EHVF2	FD836BA-HTV/6BA-EHTV	FD816CA-HF2	FD9171-HT	FD9371-HTV/71-EHTV	FD8177-H	FD8377-HV
Summary	2MP, 30fps, H.264/MJPEG, WDR, SNV*	2MP, 30fps, H.264/MJPEG, P-iris, WDR, SNV*, Remote Focus	2MP, 30fps, H.264/MJPEG, WDR Pro, Recessed-Mount, Ultra-mini Size	3MP, 30fps, H.265/H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II, PIR	3MP, 30fps, H.265/H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II	4MP, 30fps, H.264/MJPEG, WDR Pro, Smart Stream II	4MP, 30fps, H.264/MJPEG, WDR Pro, Smart Stream II
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" progressive CMOS	1/2.8" progressive CMOS	1/2.8" progressive CMOS	1/3" progressive CMOS	1/3" progressive CMOS
Lens Type	Fixed-focal	Vari-focal Remote Focus	Fixed Focal	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal	Vari-focal
F-number	F1.8	F1.8 ~ F2.85	F1.8	F1.2 ~ F2.3	F1.2 ~ F2.3	F1.4 ~ F2.2	F1.4 ~ F2.2
Focal Length	f = 2.8 mm	f = 2.8 ~ 12 mm	f = 2.8 mm	f = 3 ~ 9 mm	f = 3 ~ 9 mm	f = 2.8 ~ 12 mm	f = 2.8 ~ 12 mm
Field of View	122° (H) 66° (V)	34° ~ 107° (Horizontal) 19° ~ 56° (Vertical)	TBD	41° ~ 86° (H) 31° ~ 64° (V)	41° ~ 86° (H) 31° ~ 64° (V)	33° ~ 105° (H) 18° ~ 54° (V)	33° ~ 105° (H) 18° ~ 54° (V)
Auto-iris	-	P-iris	-	P-iris	P-iris	DC-iris	DC-iris
Day/Night	Yes	Yes	-	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*8	30 m, IR LED*8	-	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8
Min. Illumination	0.15 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.1 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	TBD	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.01 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.1 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)	0.1 Lux @ F1.4 (Color) 0.01 Lux @ F1.4 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3MP)	2048x1536 (3MP)	2688x1520 (4MP)	2688x1520 (4MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 1920x1080	30fps @ 1920x1080	H.265/H.264: 30 fps @ 2048x1536 MJPEG: 15 fps @ 2048x1536	H.265/H.264: 30 fps @ 2048x1536 MJPEG: 15 fps @ 2048x1536	30 fps @ 2688x1520 (w/o WDR Pro) 24 fps @ 2560x1440	30 fps @ 2688x1520 (w/o WDR Pro) 24 fps @ 2560x1440
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	3 Streams	3 Streams	3 Streams	3 Streams	3 Streams
WDR Technology*	WDR	WDR	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	-	-	-
Power Input	DC 12V PoE	DC 12V PoE	PoE	DC 12V PoE	DC 12V PoE	PoE	PoE
Power Consumption	FD836BA-HVF2: Max. 9 W FD836BA-EHVF2: Max. 25 W (Heater on)	FD836BA-HTV: Max. 13 W FD836BA-EHTV: Max. 25 W (Heater on)	Max. 3.3 W	Max. 12 W	FD9371-HTV: Max. 12 W FD9371-EHTV: Max. 24.7 W (Heater on)	Max. 10 W	Max. 10 W
Digital Input / Output	1/1	1/1	-	1/1	1/1	-	-
Audio	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	One-way Audio Built-in Microphone	Two-way Audio Internal microphone input Audio output	Two-way Audio External microphone input Audio output	One-way Audio Built-in Microphone	-
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	-
ONVIF	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Housing	IP66, IK10	IP66, IK10	-	-	IP66, IK10	-	IP66, IK10
Dimensions	Ø 155x 103 mm	Ø 155 x 103 mm	Ø 60 x 115 mm	Ø 138 x 103 mm	Ø 155x 103 mm	Ø 129 x 94 mm	Ø 129 x 93 mm
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F) (FD836B-HVF2) -50°C ~ 50°C (-58°F ~ 122°F) (FD836B-EHVF2)	-20°C ~ 50°C (-4°F ~ 122°F) (FD836B-HTV) -50°C ~ 50°C (-58°F ~ 122°F) (FD836B-EHTV)	-10°C ~ 45°C (14°F ~ 113°F)	-10°C ~ 50°C (14°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F) (FD9371-HTV) -50°C ~ 50°C (-58°F ~ 122°F) (FD9371-EHTV)	-10°C ~ 50°C (14°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)

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Network Cameras

Network Cameras













Form Factor	Fixed Dome Cameras			Fixed Dome Cameras			
Video Resolution	4 Megapixel		5 Megapixel	5 Megapixel			
							
							
Model Name	FD8179-H	FD8379-HV	FD8182-F2	FD8182-T	FD8382-VF2/82-EVF2	FD8382-TV/ETV	FD9181-HT
Summary	4MP, 30fps, H.264/MJPEG, WDR Pro, Smart Stream II	4MP, 30fps, H.264/MJPEG, WDR Pro, Smart Stream II	5MP, 15fps, H.264/MJPEG, 3DNR, PIR	5MP, 15fps, H.264/MJPEG, Remote Focus, SNV*, 3DNR, PIR	5MP, 15fps, H.264/MJPEG, 3DNR	5MP, 15fps, H.264/MJPEG, Remote Focus, SNV*, 3DNR	5MP, 30fps, H.265/H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II
Sensor Type	1/3" progressive CMOS	1/3" progressive CMOS	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/3.2" Progressive CMOS	1/1.8" progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Vari-focal Remote Focus	Fixed-focal	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F1.8	F1.8	F1.8	F1.2 ~ F2.3	F1.8	F1.2 ~ F2.3	F1.3 ~ F2.2
Focal Length	f = 2.8 mm	f = 2.8 mm	f = 2.8 mm	f = 3 ~ 9 mm	f = 2.8 mm	f = 3 ~ 9 mm	f = 4 ~ 9 mm
Field of View	114° (H) 61° (V)	114° (H) 61° (V)	90° (H) 67° (V)	35° ~ 78° (H) 27° ~ 54° (V)	90° (H) 67° (V)	35° ~ 78° (H) 27° ~ 54° (V)	45° ~ 93° (H) 34° ~ 68° (V)
Auto-iris	-	-	-	P-iris	-	P-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8	30 m, IR LED*8
Min. Illumination	0.14 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.14 Lux @ F1.8 (Color) 0.01 Lux @ F1.8 (B/W)	0.39 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.39 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)
Max. Video Resolution	2688x1520 (4MP)	2688x1520 (4MP)	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)	2560x1920 (5MP)
Frames per Second	30 fps @ 2688x1520 (w/o WDR Pro) 24 fps @ 2560x1440	30 fps @ 2688x1520 (w/o WDR Pro) 24 fps @ 2560x1440	15 fps @ 2560x1920 15 fps @ 2408x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	15 fps @ 2560x1920 15 fps @ 2048x1536 30 fps @ 1920x1080	H.265/H.264: 30 fps @ 2560x1920, 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920, 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	3 Streams	3 Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Pro	WDR Pro	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Pro
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	-	-	-
Power Input	PoE	PoE	DC 12V PoE	DC 12V PoE	DC 12V PoE	DC 12V PoE	DC 12V PoE
Power Consumption	Max. 10 W	Max. 10 W	Max. 9 W	Max. 9.5 W	FD8382-VF2: Max. 9 W FD8382-EVF2: Max. 25 W (Heater on)	FD8382-TV: Max. 9.5 W FD8382-ETV: Max. 25 W (Heater on)	Max. 12.8 W
Digital Input / Output	-	-	1/1	1/1	1/1	1/1	1/1
Audio	One-way Audio Built-in Microphone	-	Two-way Audio Built-in Microphone External line input External line output	Two-way Audio Built-in Microphone External line input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio Internal microphone input Audio output
Audio Compression	G.711, G.726	-	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC card slot
Housing	-	IP66, IK10	-	-	IP66, IK10	IP66, IK10	-
Dimensions	Ø 129 x 94 mm	Ø 129 x 93 mm	Ø 138 x 103 mm	Ø 138 x 103 mm	Ø 155 x 103 mm	Ø 155 x 103 mm	Ø 138 x 103 mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F) (FD8382-VF2) -50°C ~ 50°C (-58°F ~ 122°F) (FD8382-EVF2)	-20°C ~ 50°C (-4°F ~ 122°F) (FD8382-TV) -50°C ~ 50°C (-58°F ~ 122°F) (FD8382-ETV)	-10°C ~ 50°C (14°F ~ 122°F)

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Network Cameras

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Form Factor	Fixed Dome Cameras			Panoramic Fisheye Cameras			
Video Resolution	5 Megapixel	3 Megapixel		1 Megapixel	2 Megapixel	3 Megapixel	5 Megapixel
							
							
Model Name	FD9381-HTV/81-EHTV	CD8371-HNTV	CD8371-HNVF2	CC8130(HS)	CC8160	CC8370-HV	FE8174/74V
Summary	5MP, 30fps, H.265/H.264/MJPEG, Remote Focus, SNV*, WDR Pro, Smart Stream II	5MP, 30fps, H.264/MJPEG, Remote Focus, SNV*, WDR Pro, 10 m IR, Anti-ligature Design	5MP, 30fps, H.264/MJPEG, SNV*, WDR Pro, 10 m IR, Anti-ligature Design	1MP, 30fps, H.264/MJPEG, 180° Panoramic View, Eye-level View, Height Indicator (cm/ft)	2MP, 30fps, H.264/MJPEG, 180° Panoramic View, Compact Size	3MP, 30fps, H.264/MJPEG, 180° Panoramic View, WDR Pro, SNV*, Anti-ligature Design	5MP, 15fps, H.264/MJPEG/MPEG-4, 360° Surround View, EN50155 (FE8174V)
Sensor Type	1/1.8" progressive CMOS	1/2.8" progressive CMOS	1/2.8" progressive CMOS	1/4" Progressive CMOS	1/2.9" Progressive CMOS	1/2.8" Progressive CMOS in 1920x1920	1/2.5" Progressive CMOS in 2560x1920
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F1.3 ~ F2.2	F1.6	F1.8	F1.8	F1.95	F2.0	F2.8
Focal Length	f= 4 ~ 9 mm	f= 2.8 ~ 8 mm	f= 2.8 mm	f = 1.3 mm	f = 1.66 mm	f = 1.6 mm	f = 1.5 mm
Field of View	45° ~ 93° (H) 34° ~ 68° (V)	51° ~ 105° (H) 37° ~ 72° (V)	108° (H) 79° (V)	180° (H) 100° (V)	180° (H) 100° (V)	180° (H) 130° (V)	180° (H) 180° (V)
Auto-iris	P-iris	-	-	-	-	-	-
Day/Night	Yes	Yes	Yes	-	-	-	Yes
IR Illuminators	30 m, IR LED*8	10 m, 940nm IR	10 m, 940nm IR	-	-	-	-
Min. Illumination	0.04 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.01 Lux @ F1.6 (Color) < 0.01 Lux @ F1.6 (B/W) 0 Lux with IR illumination on	0.01 Lux @ F1.8 (Color) < 0.01 Lux @ F1.8 (B/W) 0 Lux with IR illumination on	0.4 Lux @ F1.8	TBD	0.05 Lux @ F2.0	0.3 Lux @ F2.8 (Color) 0.001 Lux @ F2.8 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2048x1536 (3MP)	2048x1536 (3MP)	1280x800 (1MP)	1920x1080 (2MP)	2048x1536 (3MP)	1920x1920
Frames per Second	H.265/H.264: 30 fps @ 2560x1920, 60 fps @ 1920x1080 MJPEG: 12 fps @ 2560x1920, 30 fps @ 1920x1080	30 fps @ 2048x1536	30 fps @ 2048x1536	30 fps @ 1280x800	30 fps @ 1920x1080	30 fps @ 2048x1536	15 fps @ 1920x1920 30 fps @ 1920x1080
Video Compression	Triple-Codec (H.265/H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	4 Streams	3 Streams	3 Streams	2 Streams	4 Streams	3 Streams	3 Streams
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	-	WDR Enhanced	WDR Pro	WDR Enhanced
3DNR	Yes	Yes	Yes	-	Yes	Yes	-
Cloud Service	-	-	-	-	-	-	-
Power Input	DC 12V PoE	DC12V AC24V PoE	DC12V AC24V PoE	PoE	PoE	PoE	DC 12V PoE
Power Consumption	FD9381-HTV: Max. 12.8 W FD9381-EHTV: Max. 25.5 W (Heater on)	Max. 6.2 W	Max. 6.2 W	Max. 3.8 W	Max. 2 W	Max. 4.9 W	Max. 5.1 W (DC 12V) Max. 5.3 W (PoE)
Digital Input / Output	1/1	1/1	1/1	-	-	-	1/1
Audio	Two-way Audio External microphone input Audio output	Two-way Audio Built-in microphone External microphone input External line output	Two-way Audio Built-in microphone External microphone input External line output	-	One-way Audio Built-in Microphone	One-way Audio Built-in Microphone	Two-way Audio Built-in microphone External microphone input
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726	-	G.711, G.726	G.711, G.726	AAC, G.711, G.726
ONVIF	Profile S/G	Profile S/G	Profile S/G	Profile S	Profile S/G	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	-	-	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC Card Slot
Housing	IP66, IK10	IP66, IK10	IP66, IK10	-	-	IP66, IK10	IP66, IK10 (FE8174V)
Dimensions	Ø 155 x 103 mm	226 x 221 x 112 mm	226 x 221 x 112 mm	28 (D) x 50 (W) x 867 (H) mm	28 (D) x 50 (W) x 88 (H) mm (body only) 40 (D) x 58 (W) x 127 (H) mm (w/ tilt mount)	115 (D) x 65 (W) x 59 (H) mm	Ø 139 x 34 mm (FE8174) Ø 145 x 47 mm (FE8174V)
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F) (FD9381-HTV) -50°C ~ 50°C (-58°F ~ 122°F) (FD9381-EHTV)	-10°C ~ 55°C (14°F ~ 131°F)	-10°C ~ 55°C (14°F ~ 131°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)

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Network Cameras

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Form Factor	Panoramic Fisheye Cameras			Panoramic Fisheye Cameras			
Video Resolution	5 Megapixel			5 Megapixel			
							
							
Model Name	FE8180	FE8181/81V	FE8182	FE9181-H	FE9381-EHV	FE9182-H	FE9382-EHV
Summary	5MP, 15fps, H.264/MJPEG, 360° Surround View, Compact Size	5MP, 15fps, H.264/MJPEG/MPEG-4, 360° Surround View, 10 m IR, EN50155 (FE8181V)	5MP, 15fps, H.264/MJPEG, 360° Surround View, Recessed-Mount, Ultra-mini Size	5MP, 30fps, H.265/H.264/MJPEG, 360° Surround View, Smart Stream II	5MP, 30fps, H.265/H.264/MJPEG, 360° Surround View, Smart Stream II, EN50155	5MP, 30fps, H.265/H.264/MJPEG, 360° Surround View, 360° 20 m IR, Smart Stream II	5MP, 30fps, H.265/H.264/MJPEG, 360° Surround View, 360° 20 m IR, Smart Stream II, EN50155
Sensor Type	1/2.5" Progressive CMOS in 2560x1920	1/2.5" Progressive CMOS in 2560x1920	1/3.2" progressive CMOS	1/1.8" Progressive CMOS in 3096x2094	1/1.8" Progressive CMOS in 3096x2094	1/1.8" Progressive CMOS in 3096x2094	1/1.8" Progressive CMOS in 3096x2094
Lens Type	Fixed-focal	Fixed-focal	Fixed Focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F2.2	F2.8	F2.0	F2.2	F2.2	F2.2	F2.2
Focal Length	f = 1.57 mm	f = 1.5 mm	f = 1.05 mm	f = 1.47 mm	f = 1.47 mm	f = 1.47 mm	f = 1.47 mm
Field of View	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)
Auto-iris	-	-	-	-	-	-	-
Day/Night	-	Yes	-	Yes	Yes	Yes	Yes
IR Illuminators	-	10 m, IR LED*6	-	-	-	20 m	20 m
Min. Illumination	0.18 Lux @ F2.2 (Color)	0.6 Lux @ F2.8 (Color) 0.01 Lux @ F2.8 (B/W)	0.6 Lux @ F2.0 (Color)	0.18 Lux @ F2.2 (Color) 0.001 Lux @ F2.2 (B/W)	0.18 Lux @ F2.2 (Color) 0.001 Lux @ F2.2 (B/W)	0.18 Lux @ F2.2 (Color) 0.001 Lux @ F2.2 (B/W)	0.18 Lux @ F2.2 (Color) 0.001 Lux @ F2.2 (B/W)
Max. Video Resolution	1920x1920	1920x1920	1920x1920	1920x1920	1920x1920	1920x1920	1920x1920
Frames per Second	15 fps @ 1920x1920 30 fps @ 1920x1080	15 fps @ 1920x1920 30 fps @ 1920x1080	15 fps @ 1920x1920	H.265/H.264: 30 fps @ 1920x1920 MJPEG: 12 fps @ 1920x1920	H.265/H.264: 30 fps @ 1920x1920 MJPEG: 12 fps @ 1920x1920	H.265/H.264: 30 fps @ 1920x1920 MJPEG: 12 fps @ 1920x1920	H.265/H.264: 30 fps @ 1920x1920 MJPEG: 12 fps @ 1920x1920
Video Compression	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	3 streams	3 Streams	3 Streams	4 Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Pro	WDR Pro	WDR Pro
3DNR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	-	-	-
Power Input	PoE	DC 12V PoE	PoE	DC 12V PoE	DC 12V PoE	DC 12V PoE	DC 12V PoE
Power Consumption	Max. 3.6 W	Max. 22 W (DC 12V) Max. 23 W (PoE)	Max. 3 W	Max. 5.5 W	Max. 13 W	Max. 12.95 W	Max. 20 W
Digital Input / Output	-	1/1	-	1/1	1/1	1/1	1/1
Audio	-	Two-way Audio Built-in microphone External microphone input External line output	One-way Audio Built-in Microphone	Two-way Audio Built-in microphone External microphone input External line output	Two-way Audio Built-in microphone External microphone input External line output	Two-way Audio Built-in microphone External microphone input External line output	Two-way Audio Built-in microphone External microphone input External line output
Audio Compression	-	AAC, G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Housing	-	IP66, IK10 (FE8181V)	-	-	IP66, IK10	-	IP66, IK10
Dimensions	Ø 90 x 37 mm	Ø 160 x 39 mm (FE8181) Ø 160 x 51 mm (FE8181V)	Ø 60 x 102 mm	Ø 139 x 38 mm	Ø 145 x 50 mm	Ø160 x 39 mm	Ø160 x 51 mm
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 55°C (-40°F ~ 131°F)	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 55°C (-40°F ~ 131°F)

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Network Cameras

Network Cameras








Form Factor	Panoramic Fisheye Cameras		Multi-sensor Stitching Cameras	Multi-sensor Stitching Cameras	Transportation Cameras		
Video Resolution	Ultra Megapixel		12 Megapixel	12 Megapixel	1.2 Megapixel	2 Megapixel	
			 NEW	 Coming Soon	 WDR		 WDR NEW
Model Name	FE8191	FE8391-V	MS8391-EV	MS8392-EV	MD8531H	MD8562/62D	MD8563-EH
Summary	12MP CMOS Sensor, 12fps, H.264/MJPEG, 360° Surround View, PPTZ	12MP CMOS Sensor, 12fps, H.264/MJPEG, 360° Surround View, 360° 10 m IR, PPTZ	12MP, 7fps, H.264/MJPEG, 180° Panoramic View, 30 m IR, IP66, IK10	12MP, 7fps, H.264/MJPEG, 180° Panoramic View, IP66, IK10	1.2MP, 30fps, H.264/MJPEG/MPEG-4, 3DNR, WDR Pro (120dB), IP66, IK10, EN50155	2MP, 30fps, H.264/MJPEG/MPEG-4, IP67, IK10, EN50155	2MP, 30fps, H.264/MJPEG, WDR Pro, Smart Stream II, IP67, IK10, EN50155 TX, M12 Connector
Sensor Type	1/2.3" Progressive CMOS in 4072x3046	1/2.3" Progressive CMOS in 4072x3046	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F2.8	F2.8	F1.6	F1.6	F1.8	F2.0	F1.8 (MD8563-EHF2) F1.6 (MD8563-EHF4)
Focal Length	f = 1.5 mm	f = 1.5 mm	f = 6 mm	f = 6 mm	f = 3.6 mm (MD8531H-F3) f = 4.2 mm (MD8531H-F4)	f = 2.8 mm	f = 2.8 mm (MD8563-EHF2) f = 4 mm (MD8563-EHF4)
Field of View	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 34° (V)	180° (H) 34° (V)	80° (H), 57° (V) (MD8531H-F3) 68° (H), 50° (V) (MD8531H-F4)	110° (H) 82° (V)	MD8563-EHF2: 114° (H), 65° (V) MD8563-EHF4: 82° (H), 46° (V)
Auto-iris	-	-	-	-	-	-	-
Day/Night	Yes	Yes	Yes	-	-	-	-
IR Illuminators	-	10 m, IR LED*6	30 m, IR LED*4	-	-	-	-
Min. Illumination	0.75 Lux @ F2.8 (Color) 0.01 Lux @ F2.8 (B/W)	0.75 Lux @ F2.8 (Color) 0.01 Lux @ F2.8 (B/W)	0.23 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	0.23 Lux @ F1.6 (Color) < 0.01 Lux @ F1.6 (B/W)	0.4 Lux @ F1.8	0.2 Lux @ F2.0	MD8563-EHF2: 0.21 Lux @ F1.8 (Color) MD8563-EHF4: 0.22 Lux @ F1.6 (Color)
Max. Video Resolution	2944x2944	2944x2944	7552x1416	7552x1416	1280x960 (1.2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	12 fps @ 2944x2944	12 fps @ 2944x2944	7 fps @ 7552x1416	7 fps @ 7552x1416	30 fps @ 1280x960	30 fps @ 1920x1080	30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Enhanced	WDR Pro
3DNR	Yes	Yes	Yes	-	Yes	-	Yes
Cloud Service	-	-	-	-	-	-	-
Power Input	DC 12V PoE	DC 12V PoE	AC 24V PoE	AC 24V PoE	PoE	PoE (MD8562) DC 12V (MD8562D)	PoE
Power Consumption	Max. 11.2 W (DC 12V) Max. 12.3 W (PoE)	Max. 21.7 W (DC 12V) Max. 23.4 W (PoE)	Max. 43.5/15.6 W (AC 24V-Heater on/off) Max. 23.5/15.6 W (PoE-Heater on/off)	Max. 41.5/8.5 W (AC 24V-Heater on/off) Max. 23.5/8.5 W (PoE-Heater on/off)	Max. 4.5 W	Max. 4.3 W Max. 7.5 W (Heater on)	Max. 4.2 W
Digital Input / Output	1/1	1/1	1/1	1/1	1/1	1/0	1/1
Audio	Two-way Audio Built-in microphone External microphone input External line output	Two-way Audio Built-in microphone External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio Built-in microphone Audio output	One-way Audio External microphone input	Two-way Audio Built-in microphone External line output
Audio Compression	AAC, G.711, G.726	AAC, G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	GSM-AMR, AAC, G.711	G.711, G.726
ONVIF	Profile S	Profile S	Profile S/G	Profile S/G	Profile S	Profile S	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot
Housing	-	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP67, IK10	IP67, IK10
Dimensions	Ø 160 x 39 mm	Ø 160 x 51 mm	Ø 130 x 123 x 275 mm	Ø 155 x 137 mm (w/o sunshield) Ø 155 x 148 mm (w/ sunshield)	129 (D) x 107 (W) x 54 (H) mm	130 (D) x 107 (W) x 47 (H) mm	129 (D) x 107 (W) x 54 (H) mm
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-50°C ~ 60°C (-58°F ~ 140°F) (AC 24V) -20°C ~ 60°C (-4°F ~ 140°F) (PoE)	-50°C ~ 50°C (-58°F ~ 122°F) (AC 24V) -20°C ~ 50°C (-4°F ~ 122°F) (PoE)	-25°C ~ 55°C (-13°F ~ 131°F)	-25°C ~ 55°C (-13°F ~ 131°F)	-40°C ~ 70°C (-40°F ~ 158°F)

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Network Cameras

Network Cameras








Form Factor	Transportation Cameras		PT Dome Cameras	PTZ Dome Cameras			
Video Resolution	2 Megapixel	5 Megapixel	1 Megapixel	1 Megapixel	2 Megapixel		
	 WDR Coming Soon	 Coming Soon		 WDR		 H.265 WDR NEW	 WDR
Model Name	MD8564-EH	FE8181V(M12)	PD8136	SD8333-E	SD8161	SD9161-H	SD8363E
Summary	2MP, 30fps, H.264/MJPEG, 30 m IR, IP69K, IK10, EN50155 TX, M12 Connector	5MP, 15fps, H.264/MJPEG/MPEG-4, 360° Surround View, 10 m IR, IP66, IK10, EN50155, M12 Connector	1MP, 30fps, H.264/MJPEG/MPEG-4, 360° Pan & 80° Tilt, Compact Size	1MP, 60fps, H.264/MJPEG/MPEG-4, WDR Pro, 30x, IP66, NEMA 4X	2MP, 30fps, H.264/MJPEG, 18x	2MP, 30fps, H.265/H.264/MJPEG, WDR Pro, 10x	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 20x, IP67, NEMA 4X
Sensor Type	1/2.7" Progressive CMOS in 1920x1080	1/2.5" Progressive CMOS in 2560x1920	1/4" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.8" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	30x Optical Zoom Auto Focus	18x Optical Zoom Auto Focus	10x Optical Zoom Auto Focus	20x Optical Zoom Auto Focus
F-number	TBD	F2.8	F1.8	F1.6 ~ F4.7	F1.6 ~ F2.8	F1.6 ~ F1.8	F1.6 ~ F3.5
Focal Length	f = 6 mm	f = 1.5 mm	f = 3.6 mm	f = 4.3 ~ 129 mm	f = 4.7 ~ 84 mm	f = 5.1 ~ 51 mm	f = 4.7 ~ 94 mm
Field of View	56° (H) 30° (V)	180° (H) 180° (V)	56° (H) 41° (V)	2.1° ~ 57.8° (H) 1.2° ~ 34.5° (V)	4° ~ 61° (H) 2° ~ 36° (V)	4.9° ~ 54° (H) 4° ~ 31° (V)	3° ~ 55° (H) 2° ~ 32° (V)
Auto-iris	-	-	-	DC-iris	DC-iris	DC-iris	DC-iris
Day/Night	Yes	Yes	-	Yes	Yes	Yes	Yes
IR Illuminators	30 m, IR LED*4	10 m, IR LED*6	-	-	-	-	-
Min. Illumination	TBD	0.6 Lux @ F2.8 (Color) 0.01 Lux @ F2.8 (B/W) 0 Lux with IR LED on	1.69 Lux @ F1.8	0.15 Lux @ F1.6 (Color) 0.0048 Lux @ F1.6 (B/W)	0.72 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.2 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	1.8 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1920	1280x800 (1MP)	1280x720 (1MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080	15 fps @ 1920x1920 30 fps @ 1920x1080	30 fps @ 1280x800	60 fps @ 1280x720	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080 60 fps @ 1280x720
Video Compression	Dual-Codec (H.264 & MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	4 Streams	3 Streams	2 Streams	4 Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Pro	WDR Enhanced	-	WDR Pro	WDR Enhanced	WDR Pro	WDR Pro
3DNR	Yes	Yes	-	-	Yes	Yes	-
Cloud Service	-	-	-	-	-	-	-
Power Input	PoE	DC 12V PoE	PoE	UPoE AC 24V	UPoE DC 12V AC 24V	PoE DC 12V AC 24V	UPoE AC 24V
Power Consumption	TBD	Max. 23 W	Max. 6.24 W	Max. 48/19 W (Heater on/off)	Max. 30 W	Max. 15 W	Max. 48/19 W (Heater on/off)
Digital Input / Output	1/1	1/1	-	4/2	4/2	4/2	4/2
Audio	Two-way Audio Built-in microphone External line output	Two-way Audio Built-in microphone External microphone input External line output	One-way Audio Built-in Microphone	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output
Audio Compression	G.711, G.726	AAC, G.711, G.726	G.711	AAC, G.711, G.726	AAC, G.711, G.726	G.711, G.726	GSM-AMR, AAC, G.711
ONVIF	Profile S/G	Profile S/G	Profile S	Profile S	Profile S	Profile S/G	Profile S
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	IP69K, IK10	IP66, IK10	-	IP66, NEMA 4X	-	-	IP67, NEMA 4X
Dimensions	TBD	Ø 160 x 51 mm	Ø 120 x 55 mm	Ø 205 x 321 mm	Ø 205 x 226 mm	Ø 172 x 157 mm	Ø 205 x 321 mm
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 55°C (-40°F ~ 131°F)	0°C ~ 45°C (32°F ~ 113°F)	-5°C ~ 55°C (23°F ~ 131°F) (PoE Plus) -40°C ~ 55°C (-40°F ~ 131°F) (UPoE/AC 24V)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 55°C (14°F ~ 131°F)	-5°C ~ 55°C (23°F ~ 131°F) (PoE Plus) -40°C ~ 55°C (-40°F ~ 131°F) (UPoE/AC 24V)

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Network Cameras

Network Cameras








Form Factor	PTZ Dome Cameras				PTZ Dome Cameras		
Video Resolution	2 Megapixel				2 Megapixel		
							
	WDR	H.265 WDR	H.265 WDR	H.265 WDR NEW	H.265 WDR NEW	H.265 WDR Coming Soon	H.265 WDR Coming Soon
Model Name	SD8364E	SD9361-EHL	SD9362-EH/62-EHL	SD9363-EHL	SD9364-EH/64-EHL	SD9365-EHL	SD9366-EH/66-EHL
Summary	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 30x, IP67, NEMA 4X	2MP, 60fps, H.265/H.264/MJPEG, 20x, WDR Pro, Smart Stream II, IP68, NEMA 4X	2MP, 60fps, H.265/H.264/MJPEG, 30x, WDR Pro, Smart Stream II, IP68, NEMA 4X	2MP, 60fps, 150 m VAIR, H.265/H.264/MJPEG, 20x, WDR Pro, Smart Stream II, IP66, NEMA 4X	2MP, 60fps, 150/250 m VAIR, H.265/H.264/MJPEG, 30x, WDR Pro, Smart Stream II, IP66, NEMA 4X	2MP, 60fps, 150 m VAIR, H.265/H.264/MJPEG, 20x, WDR Pro, Smart Stream II, IP66, NEMA 4X, Wiper	2MP, 60fps, 150/250 m VAIR, H.265/H.264/MJPEG, 30x, WDR Pro, Smart Stream II, IP66, NEMA 4X, Wiper
Sensor Type	1/2.8" Progressive CMOS	1/3" Progressive CMOS	1/2.8" Progressive CMOS (SD9362-EH) 1/3" Progressive CMOS (SD9362-EHL)	1/3" Progressive CMOS	1/2.8" Progressive CMOS (SD9364-EH) 1/3" Progressive CMOS (SD9364-EHL)	1/3" Progressive CMOS	1/2.8" Progressive CMOS (SD9366-EH) 1/3" Progressive CMOS (SD9366-EHL)
Lens Type	30x Optical Zoom Auto Focus	20x Optical Zoom Auto Focus	30x Optical Zoom Auto Focus	20x Optical Zoom Auto Focus	30x Optical Zoom Auto Focus	20x Optical Zoom Auto Focus	30x Optical Zoom Auto Focus
F-number	F1.6 ~ F4.7	F1.6 ~ F3.5	F1.6 ~ F4.7	F1.6 ~ F3.5	F1.6 ~ F4.7	F1.6 ~ F3.5	F1.6 ~ F4.7
Focal Length	f = 4.3 ~ 129 mm	f = 4.7 ~ 94 mm	f = 4.3 ~ 129 mm	f = 4.7 ~ 94 mm	f = 4.3 ~ 129 mm	f = 4.7 ~ 94 mm	f = 4.3 ~ 129 mm
Field of View	2.3' ~ 64' (H) 1.3' ~ 36' (V)	3' ~ 55' (H) 2' ~ 33' (V)	2' ~ 64' (H), 1' ~ 39' (V) (SD9362-EH) 2' ~ 59' (H), 2' ~ 45' (V) (SD9362-EHL)	3' ~ 55' (H) 2' ~ 33' (V)	2.3' ~ 64' (H), 1.3' ~ 38.5' (V) (SD9364-EH) 2.3' ~ 64' (H), 1.3' ~ 36' (V) (SD9364-EHL)	3' ~ 55' (H) 2' ~ 33' (V)	2.3' ~ 64' (H), 1.3' ~ 38.5' (V) (SD9366-EH) 2.3' ~ 64' (H), 1.3' ~ 36' (V) (SD9366-EHL)
Auto-iris	DC-iris	DC-iris	DC-iris	DC-iris	DC-iris	DC-iris	DC-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	-	-	-	150 m	250 m (SD9364-EH) 150 m (SD9364-EHL)	150 m	250 m (SD9366-EH) 150 m (SD9366-EHL)
Min. Illumination	0.5 Lux @ F1.6 (Color) 0.03 Lux @ F1.6 (B/W)	0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	SD9362-EH: 0.53 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W) SD9362-EHL: 0.42 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	SD9364-EH: 0.07 Lux @ F1.6 (Color) 0 Lux @ F1.6 (B/W) SD9364-EHL: 0.42 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.26 Lux @ F1.6 (Color) 0.01 Lux @ F1.6 (B/W)	SD9366-EH: 0.07 Lux @ F1.6 (Color) 0 Lux @ F1.6 (B/W) SD9366-EHL: 0.42 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080 60 fps @ 1280x720	H.265 & H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080	H.265 & H.264: 60 fps @ 1920x1080 MJPEG: 30 fps @ 1920x1080	60 fps @ 1920x1080	60 fps @ 1920x1080	60 fps @ 1920x1080	60 fps @ 1920x1080
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)	Triple-Codec (H.265/H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Pro
3DNR	-	Yes	Yes	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	-	-	-
Power Input	UPoE AC 24V	60W UPoE DC 24V AC 24V	60W UPoE DC 24V AC 24V	95W PoH/PoE DC 48V	95W PoH/PoE DC 48V	95W PoH/PoE DC 48V	95W PoH/PoE DC 48V
Power Consumption	Max. 48/19 W (Heater on/off)	Max. 48/26 W (Heater on/off)	Max. 48/26 W (Heater on/off)	Max. 87/39 W (Heater on/off)	SD9364-EH: Max. 78/27 W (Heater on/off) SD9364-EHL: Max. 81.8/28.5 W (Heater on/off)	TBD	TBD
Digital Input / Output	4/2	4/2	4/2	4/2	4/2	4/2	4/2
Audio	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output	Two-way Audio External microphone input External line output
Audio Compression	AAC, G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	IP67, NEMA 4X	IP68, IK10, NEMA 4X	IP68, IK10, NEMA 4X	IP66, IK10, NEMA 4X	IP66, IK10, NEMA 4X	IP66, IK10, NEMA 4X	IP66, IK10, NEMA 4X
Dimensions	Ø 205 x 321 mm	Ø 162 x 221 mm	Ø 162 x 221 mm	Ø 204 x 285 mm	Ø 204 x 285 mm	Ø 204 x 285 mm	Ø 204 x 285 mm
Operating Temperature	-5°C ~ 55°C (23°F ~ 131°F) (PoE Plus) -40°C ~ 55°C (-40°F ~ 131°F) (UPoE/AC 24V)	-40°C ~ 55°C (-40°F ~ 131°F)	-40°C ~ 55°C (-40°F ~ 131°F)	-50°C ~ 55°C (-58°F ~ 131°F)	-50°C ~ 55°C (-58°F ~ 131°F)	-50°C ~ 55°C (-58°F ~ 131°F)	-50°C ~ 55°C (-58°F ~ 131°F)

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Network Cameras

Network Cameras

Form Factor	Cube Cameras			Cube Cameras		Split-type Camera System	
Video Resolution	1 Megapixel			2 Megapixel		2 Megapixel	
			 Outdoor Wifi	 Coming Soon	 Outdoor Wifi Coming Soon	 WDR	 WDR
Model Name	IP8130/31/30W/31W	IP8133/33W	IP8336W	IP8160	IP8160-W	VC8101 CU8161-H	VC8101 CU8163-H
Summary	1MP, 30fps, H.264/MJPEG, 6 m IR, Wi-Fi, WPS (IP8130W/31W), Compact Size	1MP, 30fps, H.264/MJPEG/MPEG-4, Wi-Fi, Compact Size, PIR, White-light LEDs, WPS (IP8133W)	1MP, 30fps, H.264/MJPEG/MPEG-4, 5 m IR, Wi-Fi, IP66, WPS	2MP, 30fps, H.264/MJPEG, 8 m IR, PoE	2MP, 30fps, H.264/MJPEG, 8 m IR, Wi-Fi	1-CH, Pinhole(CU8161-H), 2MP, 30fps, H.264/MJPEG, WDR Pro, Recessed-Mount	1-CH, Fisheye Surround View(CU8163-H), 2MP, 30fps, H.264/MJPEG, WDR Pro, Recessed-Mount
Sensor Type	1/4" Progressive CMOS	1/4" Progressive CMOS	1/4" Progressive CMOS	1/2.9" Progressive CMOS in 1920x1080	1/2.9" Progressive CMOS in 1920x1080	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F2.4 (IP8130/30W) F1.8 (IP8131/31W)	F2.4	F1.8	F1.8	F1.8	F2.5	F2.0
Focal Length	f = 3.45 mm (IP8130/30W) f = 3.6 mm (IP8131/31W)	f = 3.45 mm	f = 3.6 mm	f = 2.8 mm	f = 2.8 mm	f = 3.7 mm	f = 1.6 mm
Field of View	47° (H), 31° (V) (IP8130/30W) 60° (H), 39° (V) (IP8131/31W)	47° (H) 31° (V)	56° (H) 41° (V)	113° (H) 63° (V)	113° (H) 63° (V)	93° (H) 48° (V)	180° (H) 140° (V)
Auto-iris	-	-	-	-	-	-	-
Day/Night	Yes (IP8131/31W)	-	Yes	Yes	Yes	-	-
IR Illuminators	6 m, IR LED*6 (IP8131/31W)	-	5 m, IR LED*6	8 m, IR LED*2	8 m, IR LED*2	-	-
Min. Illumination	IP8130/30W: 1.46 Lux @ F2.4 IP8131/31W: 0.3 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	3.0 Lux @ F2.4	0.47 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	TBD	TBD	1.10 Lux @ F2.5 (Color)	0.66 Lux @ F2.0 (Color)
Max. Video Resolution	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264 & MJPEG)	Dual-Codec (H.264 & MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	2 Streams	3 Streams	2 Streams	3 Streams	3 Streams	4 Streams	4 Streams
WDR Technology*	-	-	-	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Pro
3DNR	-	-	-	Yes	Yes	Yes	Yes
Cloud Service	-	-	-	-	EZConnect App	-	-
Power Input	DC 12V	DC 5V PoE (IP8133)	DC 12V	PoE	DC 5V	DC 8~36V PoE	DC 8~36V PoE
Power Consumption	Max. 1.8 W (IP8130) Max. 3.0 W (IP8131) Max. 2.3 W (IP8130W) Max. 3.0 W (IP8131W)	Max. 4.3 W (IP8133) Max. 4.7 W (IP8133W)	Max. 3.4 W	TBD	TBD	Max. 5.5 W	Max. 5.5 W
Digital Input / Output	1/0	1/1	1/0	-	-	1/1	1/1
Audio	Two-way Audio Built-in microphone External line output	Two-way Audio Built-in microphone Built-in speaker	One-way Audio Built-in Microphone	Two-way Audio Built-in microphone Built-in speaker	Two-way Audio Built-in microphone Built-in speaker	Two-way Audio (from Video Core: VC8101)	Two-way Audio (from Video Core: VC8101)
Audio Compression	G.711	GSM-AMR, G.711	G.711	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
ONVIF	Profile S	Profile S	Profile S	Profile S/G	Profile S/G	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC Card Slot	-	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	-	IP66	-	-	-	-
Dimensions	31 (D) x 80 (W) x 80 (H) mm (IP8130/30W) 46 (D) x 80 (W) x 80 (H) mm (IP8131/31W)	32 (D) x 79 (W) x 80 (H) mm	62 (D) x 85 (W) x 88 (H) mm	TBD	TBD	105 x 84 x 30 mm (VC8101) Ø 24 x 37 mm (CU8161-H, w/o cable)	105 x 84 x 30 mm (VC8101) Ø 24 x 43 mm (CU8163-H, w/o cable)
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	-20°C ~ 45°C (-4°F ~ 113°F)	0°C ~ 40°C (32°F ~ 104°F)	0°C ~ 40°C (32°F ~ 104°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)

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Network Cameras

Form Factor	Split-type Camera System		
Video Resolution	1 Megapixel	1&5 Megapixel	5 Megapixel



Model Name	VC8201-M11 (with CU8131x2)	VC8201-M13 (with CU8131+CU8171)	VC8201-M33 (with CU8171x2)
Summary	2-CH, 1MP(CU8131), 30fps, H.264/MJPEG, WDR Pro, Recessed-Mount	2-CH, 1MP&30fps&WDR Pro (CU8131), 5MP&15fps&Fisheye (CU8171), H.264/MJPEG, Recessed-Mount	2-CH, 5MP, 15fps, H.264/MJPEG, Fisheye Surround View (CU8171), Recessed-Mount
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS (CU8131) 1/2.5" Progressive CMOS in 2560x1920 (CU8171)	1/2.5" Progressive CMOS in 2560x1920 (CU8171)
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F1.8	F1.8 (CU8131) F2.0 (CU8171)	F2.0
Focal Length	f = 3.6 mm	f = 3.6 mm (CU8131) f = 1.27 mm (CU8171)	f = 1.27 mm
Field of View	86° (H) 51° (V)	86° (H), 51° (V) (CU8131) 180° (H), 180° (V) (CU8171)	180° (H) 180° (V)
Auto-iris	-	-	-
Day/Night	-	-	-
IR Illuminators	-	-	-
Min. Illumination	1.05 Lux @ F1.8, 50 IRE (Color)	1.05 Lux @ F1.8, 50 IRE (Color) (CU8131) 0.66 Lux @ F2.0, 50 IRE (Color) (CU8171)	0.66 Lux @ F2.0, 50 IRE (Color)
Max. Video Resolution	1280x800	1280x800 (CU8131) 1696x1696 (CU8171)	1696x1696
Frames per Second	30 fps @ 1280x800	30 fps @ 1280x800 (CU8131) 15 fps @ 1696x1696 (CU8171)	15 fps @ 1696x1696
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	3 Streams	3 Streams
WDR Technology*	WDR Pro	WDR Pro (CU8131) WDR Enhanced (CU8171)	WDR Enhanced
3DNR	Yes	Yes	Yes
Cloud Service	-	-	-
Power Input	DC 12V PoE	DC 12V PoE	DC 12V PoE
Power Consumption	Max. 10.8 W	Max. 10.8 W	Max. 10.8 W
Digital Input / Output	2/2	2/2	2/2
Audio	Audio Input x 2 (from Camera Unit: CU8131)	Audio Input x 2 (from Camera Unit: CU8131/CU8171)	Audio Input x 2 (from Camera Unit: CU8171)
Audio Compression	GSM-AMR, G.711	GSM-AMR, G.711	GSM-AMR, G.711
ONVIF	Profile S	Profile S	Profile S
On-board Storage	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	-	-	-
Dimensions	145 x 105 x 32 mm (VC8201) Ø 60 x 93 mm (CU8131)	145 x 105 x 32 mm (VC8201) Ø 60 x 93 mm (CU8131) Ø 60 x 81 mm (CU8171)	145 x 105 x 32 mm (VC8201) Ø 60 x 81 mm (CU8171)
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F) (VC8201) -10°C ~ 40°C (14°F ~ 104°F) (CU8131)	-10°C ~ 50°C (14°F ~ 122°F) (VC8201) -10°C ~ 40°C (14°F ~ 104°F) (CU8131/ CU8171)	-10°C ~ 50°C (14°F ~ 122°F) (VC8201) -10°C ~ 40°C (14°F ~ 104°F) (CU8171)

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Network Cameras

Form Factor	Counting Cameras	
Video Resolution	2 Megapixel	3 Megapixel



Model Name	SC8131	FD8166A-S	CC8370-HSV
Summary	3D Counting, up to 98% Accuracy, 3D Depth Technology	2D Counting, Ultra-mini Dome, Compact Size	2D Counting, 180° Panoramic View, IP66, IK10
Sensor Type	1/3" progressive CMOS	1/2.8" progressive CMOS	1/2.8" progressive CMOS
Installation Height	2.4 ~ 3.6 M	2 ~ 5 M	2 ~ 5 M
Max. Video Resolution	2560x960 (2MP)	1920x1080 (2MP)	2048x1536 (3MP)
Frames per Second	15fps @ 2560x960	30fps @ 1920x1080	30fps @ 2048x1536
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	3 Streams	4 Streams	3 Streams
Bi-directional visitor counting	Yes	Yes	Yes
Power Input	PoE	PoE	PoE
Power Consumption	Max. 12.95 W (PoE) Max. 300mA (USB)	Max. 3 W	Max. 4.9 W
Digital Input / Output	1/1	1/0	-
Audio	-	One-way Audio Built-in Microphone	One-way Audio Built-in Microphone
Audio Compression	-	G.711, G.726	G.711, G.726
ONVIF	-	Profile S/G	Profile S/G
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Dimensions	160 (D) x 70 (W) x 38 (H) mm	Ø 90 x 50 mm	115 (D) x 65 (W) x 59 (H) mm
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)

*SNV: Supreme Night Visibility, by professionally integrating superior optical components and sophisticated video algorithms, SNV cameras present Supreme Night Visibility in low light conditions.

Network Cameras

Network Camera Model - Naming Rule



1-2 nd Digit - Model Category		3 rd Digit - A/V Type		4 th Digit for VC Series - Amount of Channel									
Code	Description	NO.	Description	NO.	Description								
CC	Compact Cube Camera	8	H.264 / MPEG4 / MJPEG	1~9	1~9 Channel								
CU	Camera Unit	9	H.265	4th Digit for IP Camera <table border="1"> <thead> <tr> <th>NO.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IP Camera</td> </tr> <tr> <td>3</td> <td>Outdoor IP Camera</td> </tr> <tr> <td>5</td> <td>Specific Regulation Certified</td> </tr> </tbody> </table>		NO.	Description	1	IP Camera	3	Outdoor IP Camera	5	Specific Regulation Certified
NO.	Description												
1	IP Camera												
3	Outdoor IP Camera												
5	Specific Regulation Certified												
FD	Fixed Dome Camera												
FE	Fisheye Camera												
IB	Bullet Camera												
IP	Box Camera												
IZ	Zoom Lens Camera												
MD	Mobile Dome Camera												
MS	Multiple Sensor Camera												
PD	Pan/Tilt Dome Camera												
SC	System Camera												
SD	Speed Dome Camera												
SF	System Fisheye Camera												
TC	Thermal Camera												
VC	Video Core												

5 th Digit for IP camera - Video Type		6 th Digit - Revision		8 th Operational Models					
NO.	Description	NO.	Description	NO.	Description				
1	NTSC CCD	1~9	Not Specified	C	Cable Management				
2	PAL CCD	A~Z	Not Specified	D	DC Power Input				
3	≤ 1.0 Mega-Pixel CMOS Sensor (HD)	7th Digit - Revision <table border="1"> <thead> <tr> <th>NO.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>A~Z</td> <td>Product Version</td> </tr> </tbody> </table>		NO.	Description	A~Z	Product Version	E	Extended Temperature ≤ -40°C or ≥ 65°C
NO.	Description								
A~Z	Product Version								
4	N/A					H	High Dynamic Range (Wide Dynamic Range)		
5	> 1.0 Mega-Pixel CMOS Sensor					L	Lite		
6	≥ 2.0 Mega-Pixel CMOS Sensor			LPC	License Plate Capture				
7	≥ 3.0 Mega-Pixel CMOS Sensor			M	Dehumidifier				
8	≥ 5.0 Mega-Pixel CMOS Sensor			N	940mm IR LED				
9	≥ 8.0 Mega-Pixel CMOS Sensor			P	P-iris				
				R	PoE Repeater				
				S	Solution				
				T	Remote Focus				
				U	Ultra Long Range Support				
				V	Indoor Vandal Proof				
				W	Wireless				

Video Servers

Form Factor	Video Servers
Video Resolution	D1



Model Name	VS8801	VS8401
Short Highlight	8-CH, Rack-mount Design	4-CH, Rack-mount Design
Max. Video Resolution	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL
Frames per Second	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	1 Stream	2 Streams
Video Source	8/4 Analog Camera Input	8/4 Analog Camera Input
Video Modulation	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection
Audio Capability	Two-way Audio	Two-way Audio
Audio Compression	G.711	G.711
Serial Connectors	RS485	RS485
Pan/Tilt/Zoom Control	Yes	Yes
Networking	10/100/1000 Mbps Ethernet	10/100/1000 Mbps Ethernet
Power Input	DC 12V AC 24V	DC 12V AC 24V
Power Consumption	Max. 24 W	Max. 24 W
Digital Input /Output	8/8	4/4
Motion Detection	Yes	Yes
On-board Storage	-	SD/SDHC Card Slot
Dimensions	189 (W) x 153 (D) x 49.3 (H) mm	189 (W) x 153 (D) x 49.3 (H) mm
Operating Temperature	-10°C ~ 50 °C (14°F ~ 122°F)	-10°C ~ 50 °C (14°F ~ 122°F)

Video Servers

Form Factor	Video Servers
Video Resolution	D1



Model Name	VS8102	VS8100
Short Highlight	1-CH, DC 12V Output for Analog Camera	1-CH, Ultra-mini Size, Power Sharing with Analog Camera
Max. Video Resolution	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL
Frames per Second	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	3 Streams
Video Source	1 Analog Camera Input	1 Analog Camera Input
Video Modulation	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection
Audio Capability	Two-way Audio	Audio In
Audio Compression	GSM-AMR, AAC, G.711	G.726, G.711
Serial Connectors	RS485	RS485
Pan/Tilt/Zoom Control	Yes	Yes
Networking	10/100 Mbps Ethernet	10/100 Mbps Ethernet
Power Input	PoE DC 12V AC 24V	DC 12V
Power Consumption	Max. 5 W	Max. 5 W
Digital Input /Output	1/1	-
Motion Detection	Yes	Yes
On-board Storage	SD/SDHC Card Slot	-
Dimensions	130 (W) x 78.35 (D) x 33.85 (H) mm	65 (W) x 34 (D) x 25 (H) mm
Operating Temperature	0 ~ 55 °C (32 ~ 131 °F)	0°C ~ 50 °C (32°F ~ 122°F)

Network Video Recorders

Form Factor	Network Video Recorders
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H.265

H.265
NEW

Model Name	ND8322P/ND8422P	ND9441/ND9541	ND9441P/ND9541P
Short Highlight	8/16-CH, 8x PoE, 2x HDD, Fisheye Dewarp, HDMI/VGA Local Display, EZConnect	16/32-CH, 4x HDD, H.265/H.264, 2x RJ45 Ethernet Port, Fisheye Dewarp, HDMI/VGA Local Display, EZConnect	16/32-CH, 4x HDD, H.265/H.264, 16x PoE, 2x RJ45 Ethernet Port, Fisheye Dewarp, HDMI/VGA Local Display, EZConnect
Operating System	Embedded Linux	Embedded Linux	Embedded Linux
Video Compression	H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Channels	Up to 8/16 channels	Up to 16/32 channels	Up to 16/32 channels
PoE	8x 802.3at/af Compliant PoE Ports (Total Max. 80W)	-	16x 802.3at/af Compliant PoE Ports (Total Max. 160W)
Hard Disk	3.5" SATA I/II/III HDD*2, up to 16TB	3.5" SATA I/II/III HDD*4, up to 32TB	3.5" SATA I/II/III HDD*4, up to 32TB
RAID	RAID 0, 1	RAID 0, 1, 5	RAID 0, 1, 5
Recording Throughput	Total: 64/96 Mbps	Total: 192 Mbps	Total: 192 Mbps
Local Display	HDMI/VGA video output	HDMI/VGA video output	HDMI/VGA video output
Support Resolution	1920x1080 1280x720	1920x1080 1280x720	1920x1080 1280x720
Cloud Service	EZConnect App/Portal	EZConnect App/Portal	EZConnect App/Portal
Fisheye Dewarp	Dewarping mode: 10, 1P, 1R, 1O3R, 1O8R	Dewarping mode: 10, 1P, 1R, 1O3R, 1O8R	Dewarping mode: 10, 1P, 1R, 1O3R, 1O8R
Connectors	Ethernet 10/100/1000 RJ45 *1 Alarm In *8, Alarm Out *4 USB 2.0 *3 eSATA *1 Audio Output *1 Audio Input *1 (Reserved) RS232, RS485 (Reserved)	Ethernet 10/100/1000 RJ45 *2 Alarm In *8, Alarm Out *4 USB 2.0 *2 USB 3.0 *1 Audio Output *1 Audio Input *1 (Reserved) RS485 (Reserved)	Ethernet 10/100/1000 RJ45 *2 Alarm In *8, Alarm Out *4 USB 2.0 *2 USB 3.0 *1 Audio Output *1 Audio Input *1 (Reserved) RS485 (Reserved)
Power	DC 56V 2.32A	DC 56V 2.32A	100 ~240V AC / 50 ~ 60Hz
Power Consumption	Max. 120 W	Max. 120 W	Max. 220 W
Approvals	CE, LVD, FCC, VCCI, C-Tick, UL	CE, LVD, FCC, VCCI, C-Tick, UL	CE, LVD, FCC, VCCI, C-Tick, UL
Installation, Management, and Maintenance	Installation Wizard 2, VAST, Shepherd, EZConnect (iOS/Android), iViewer (iOS/Android)	Installation Wizard 2, VAST, Shepherd, EZConnect (iOS/Android), iViewer (iOS/Android)	Installation Wizard 2, VAST, Shepherd, EZConnect (iOS/Android), iViewer (iOS/Android)
Weight	2.7 kg	3.9 kg	4 kg
Dimensions	360 (W) x 311 (D) x 44 (H) mm	430 (W) x 400 (D) x 44.5 (H) mm	430 (W) x 400 (D) x 44.5 (H) mm

Network Video Recorders

Form Factor	Network Video Recorders	
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H.265



H.265

Coming Soon

Model Name	NR9581/NR9681	NR96G1/NR97G1
Short Highlight	32/64-CH, 8x HDD, H.265/H.264, 2x RJ45 Ethernet Port, Fisheye Dewarp, HDMI/DP/DVI/VGA Local Display, VAST Inside	64/128-CH, 16x HDD, H.265/H.264, 2x RJ45 Ethernet Port, Fisheye Dewarp, HDMI/DP/DVI/VGA Local Display, VAST Inside
Operating System	Embedded Windows 7	Embedded Windows 7
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Channels	Up to 32/64 channels	Up to 64/128 channels
PoE	-	-
Hard Disk	3.5" SATA I/II/III HDD*8, up to 48TB	3.5" SATA I/II/III HDD*16, up to 96TB
RAID	RAID 0, 1, 5, 6, 10	RAID 0, 1, 5, 6, 10
Recording Throughput	Total: 512 Mbps	Total: 768 Mbps
Local Display	HDMI/DP/DVI/VGA video output	HDMI/DP/DVI/VGA video output
Support Resolution	HDMI: 3200x2000 DP: 3200x2000 DVI/VGA: 1920x1200	HDMI: 3200x2000 DP: 3200x2000 DVI/VGA: 1920x1200
Cloud Service	-	-
Fisheye Dewarp	Regular: 10, 1P, 1R, 1O3R, 4R Wall Mount: 1P2R, 1P3R Ceiling/Floor Mount: 2P, 4R Pro, 1O8R	Regular: 10, 1P, 1R, 1O3R, 4R Wall Mount: 1P2R, 1P3R Ceiling/Floor Mount: 2P, 4R Pro, 1O8R
Connectors	Ethernet 10/100/1000 RJ45 * 2 USB 2.0 x4 USB 3.0 x2 Microphone audio jack input x1 3.5 Line input audio jack x1 3.5 Line output audio jack x1	Ethernet 10/100/1000 RJ45 * 2 USB 2.0 x2 USB 3.0 x6 Microphone audio jack input x1 3.5 Line output audio jack x1
Power	Redundant Power 100 ~ 240V AC / 50 ~ 60Hz	Redundant Power 100 ~ 240V AC / 50 ~ 60Hz
Power Consumption	Max. 740 W	Max. 550 W
Approvals	CE, LVD, FCC, VCCI, C-Tick, UL	CE, LVD, FCC, VCCI, C-Tick, UL
Installation, Management, and Maintenance	Installation Wizard 2, VAST, Shepherd, iViewer (iOS/Android)	Installation Wizard 2, VAST, Shepherd, iViewer (iOS/Android)
Weight	27 kg	28 kg
Dimensions	437 (W) x 648 (D) x 89 (H) mm	435 (W) x 620 (D) x 132 (H) mm

PoE Solution

Form Factor	VivoCam Layer 2 Plus Managed PoE Switch	
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Model Name	AW-GEV-104A-130	AW-GEV-264A-185/370
Short Highlight	VivoCam Layer 2 Plus Managed PoE Switch 8xGE PoE + 1xGE UTP + 1xGE SFP	VivoCam Layer 2 Plus Managed PoE Switch 24xGE PoE + 2xCombo GE
Ethernet		
Gigabit Ethernet (RJ45)	9	24
Gigabit Ethernet (SFP)	1	-
Combo Gigabit Ethernet (RJ45/SFP)	-	2
Ethernet Performance		
MAC Address	8 K	8 K
Buffer Memory	512 KB	512 KB
Backplane	20 Gbps	52 Gbps
PoE Function		
Number of PoE Out Ports	8	24
PoE Output Power	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 30W
Total PoE Power Budget	130W	185 W (AW-GEV-264A-185) 370 W (AW-GEV-264A-370)
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE Management :PoE Config/Alive Checking/Scheduling/Power Delay	Supported	Supported
IEEE 802.3at/af Power over Ethernet	Supported	Supported
Managing IP Surveillance Management		
Auto Search VIVOTEK Device	Supported	Supported
Surveillance Management List	Supported	Supported
Grouping Setting for VLAN	Support all VIVOTEK Devices	Support all VIVOTEK Devices
Device On/Off Line Status	Support all VIVOTEK Devices	Support all VIVOTEK Devices
Managing IP Surveillance E-MAP View		
Topology View	Supported	Supported
Floor View	Supported	Supported
Google Map View	Supported	Supported
Managing IP Surveillance Maintenance		
VIVOTEK Camera Batch SW Upgrade	Supported	Supported
VIVOTEK Camera Configuration File Export/Import	Supported	Supported
Trouble Shooting	Supported	Supported
Traffic Monitoring	Supported	Supported
L2 Switching Feature		
IEEE 802.1p Quality of Service	Supported	Supported
IEEE 802.1q Virtual LANs	Supported	Supported
IEEE 802.1d/w/s STP/RSTP/MSTP	Supported	Supported
IEEE 802.3ad Link Aggregation Control Protocol	Supported	Supported
IEEE 802.1X Authorization	Supported	Supported
L3 Switching Feature		
IP Host Table	Supported	Supported
Static Route (IPv4/IPv6)	Supported	Supported
Static ARP	Supported	Supported
DHCP Server	Supported	Supported
General		
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Dimensions	220 (L) x 242.4 (W) x 44 (H) mm	442 (L) x 211 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)

PoE Solution

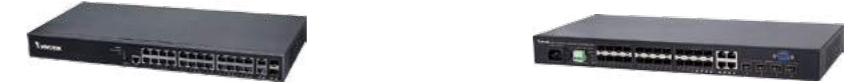
Form Factor VivoCam Web Smart PoE Switch



Model	AW-GEV-104B-130	AW-GEV-184B-250	AW-GEV-264B-370
Short Highlight	VivoCam Web Smart 8xGE PoE + 2xGE SFP Switch	VivoCam Web Smart 16xGE PoE + 2xGE SFP Switch	VivoCam Web Smart 24xGE PoE + 2xGE SFP Switch
Ethernet			
Gigabit Ethernet (RJ45)	8	16	24
Gigabit Ethernet (SFP)	2	2	2
Ethernet Performance			
MAC Address	8 K	8 K	8 K
Buffer Memory	512KB	512KB	512KB
Backplane	20 Gbps	36 Gbps	52 Gbps
Jumbo Frame	9K	9K	9K
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported
PoE Function			
Number of PoE Out Ports	8	8	8
PoE Output Power	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 30W
Total PoE Power Budget	130 W	250 W	370W
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE PD Auto Detection	Yes	Yes	Yes
PoE Management :PoE Config/Alive Checking/Scheduling/ Power Delay	Supported	Supported	Supported
IEEE 802.3at/af Power over Ethernet	Supported	Supported	Supported
NetworkView Feature			
Auto Search IP Device	Supported	Supported	Supported
Topology View/Floor View/Map View	Supported	Supported	Supported
Easy Tag VLAN Configuration in Topology View	Supported	Supported	Supported
PoE On/Off Control in Topology View	Supported	Supported	Supported
Diagnose for PoE Device Status	Supported	Supported	Supported
Traffic Monitor	Supported	Supported	Supported
L2 Switching Feature			
IEEE 802.1p Quality of Service	Supported	Supported	Supported
IEEE 802.1q Virtual LANs	Supported	Supported	Supported
IEEE 802.1d/w/S STP/RSTP/MSTP	Supported	Supported	Supported
IEEE 802.3ad Link Aggregation Control Protocol	Supported	Supported	Supported
IEEE 802.1X Authorization	Supported	Supported	Supported
L3 Switching Feature			
DHCP Server	Supported	Supported	Supported
General			
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Dimensions	220 (W) x 44 (H) x 242 (D) mm	442 (W) x 44 (H) x 211(D) mm	442 (W) x 44 (H) x 211(D) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)

PoE Solution

Form Factor Layer 2 Plus Managed Switch



Model	AW-GES-267A	AW-GTS-287A
Short Highlight	24xGE + 2xCombo GE Layer 2 Plus Managed Switch	20xGE SFP + 4xCombo GE + 4x10G SFP+ Layer 2 Plus Managed Switch
Ethernet		
Gigabit Ethernet (RJ45)	24	-
Combo Gigabit Ethernet (RJ45/SFP)	2	4
Gigabit Ethernet (SFP)	2	20
10Gigabit Ethernet (SFP+)	-	4
Console Port	RJ45	RS232
Ethernet Performance		
MAC Address	8 K	32 K
Buffer Memory	512 KB	512KB
Backplane	52 Gbps	128 Gbps
Jumbo Frame	9216 Bytes	10056 Bytes
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported
L2 Switching Feature		
IEEE 802.1p Quality of Service	Supported	Supported
IEEE 802.1d/w/S STP/RSTP/MSTP	Supported	Supported
IEEE 802.1q Virtual LANs	Supported	Supported
Q-in-Q (Double Tag) VLAN	Supported	Supported
IEEE 802.3ad Link Aggregation Control Protocol	Supported	Supported
IEEE 802.1X Authorization	Supported	Supported
GARP VLAN Registration Protocol (GVRP)	Supported	Supported
sFlow(sampled flow) protocol	Supported	Supported
L3 Switching Feature		
IP Host Table	Supported	Supported
Static Route (IPv4/IPv6)	Supported	Supported
Static ARP	Supported	Supported
DHCP Server	Supported	Supported
Security		
Port Security (MAC-based)	Supported	Supported
RADIUS / TACACS+ Authentication	Supported	Supported
HTTPs and SSL (Secured Web)	Supported	Supported
SSH v1.5/v2.0 (Secured Telnet Session)	Supported	Supported
General		
Power Input	100~240V AC / 50~60Hz	Redundant 100V~240VAC / 50~60Hz, 24~72VDC (40W)
Dimensions	442 (L) x 211 (W) x 44 (H) mm	422 (L) x 211 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	-20°C ~ 60°C (-4°F ~ 140°F)

Form Factor Unmanaged PoE Switch Unmanaged PoE Switch



Model	AW-FED-0500-065/120	AW-FET-050A-065	AW-FET-081B-065	AW-FET-080A-120	AW-FGT-100A-120	AW-FGT-100B-120	AW-FET-160A-250
Short Highlight	Unmanaged High Power 4xFE PoE + 1xFE DIP Switch	Unmanaged 4xFE PoE + 1xFE Switch	Unmanaged 4xFE PoE + 4xFE Switch	Unmanaged 8xFE PoE Switch	Unmanaged 8xFE PoE + 1xGE UTP + 1xGE SFP Switch	Unmanaged 8xFE PoE + 2xGE Switch	Unmanaged 16xFE PoE Switch
Ethernet							
Fast Ethernet (RJ45)	5	5	8	8	8	8	16
Gigabit Ethernet (RJ45)	-	-	-	-	1	2	-
Gigabit Ethernet (SFP)	-	-	-	-	1	-	-
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	-	-	-	-
Standards							
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	-	-	-	Supported	Supported	-
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Ethernet Performance							
MAC Address	1 K	1 K	1 K	1 K	8 K	8 K	4 K
Buffer Memory	48 KB	48 KB	64 KB	64 KB	512 KB	512 KB	160 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward
Backplane	1 Gbps	1 Gbps	1.6 Gbps	1.6 Gbps	5.6 Gbps	5.6 Gbps	3.2 Gbps
Jumbo Frame	-	-	-	-	-	-	-
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Filtering/Forwarding Rates							
10Mbps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps
1000Mbps	-	-	-	-	1,488,000 pps	1,488,000 pps	-
PoE Function							
Number of PoE Out Ports	4	4	4	8	8	8	16
PoE Output Power	Per Port 56VDC, Max. 52W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	60 W (AW-FED-0500-065) 115 W (AW-FED-0500-120)	60 W	60 W	115 W	115 W	115W	240 W
802.3at/af Standard Compatible	-	Yes	Yes	Yes	Yes	Yes	Yes
802.3at/af Passive Compatible	Yes	-	-	-	-	-	-
Power Pin Assignment	4/5(+), 7/8(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	4/5(+), 7/8(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	Supported	-	-	-	-	-	-
PoE PD Auto Detection	-	Yes	Yes	Yes	Yes	Yes	Yes
General							
Power Input	AW-FED-0500-065: 100~240V AC / 50~60Hz, 56V DC/1.16A External Power Adapter AW-FED-0500-120: 100~240V AC / 50~60Hz, 56V DC/2.14A External Power Adapter	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100V~240VAC / 50~60Hz	100~240V AC / 50~60Hz
Dimensions	120 (L) x 90 (W) x 28 (H) mm	160 (L) x 123 (W) x 44 (H) mm	160 (L) x 123 (W) x 44 (H) mm	280 (L) x 182 (W) x 44 (H) mm	330 (L) x 119 (W) x 44 (H) mm	330 (L) x 119 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)

Form Factor	Unmanaged PoE Switch			Unmanaged PoE Switch			
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Model	AW-FGT-180A-250	AW-FGT-260A-250	AW-GET-050A-065	AW-GET-080A-120	AW-GEU-080A-250	AW-GET-100A-120	AW-GET-180A-250
Short Highlight	Unmanaged 16xFE PoE + 2xCombo GE Switch	Unmanaged 24xFE PoE + 2xCombo GE Switch	Unmanaged 4xGE PoE + 1xGE Switch	Unmanaged 8xGE PoE Switch	2xGE 60W UPoE + 4xGE PoE + 2xGE Switch	8xGE PoE + 2xGE SFP Switch	16xGE PoE + 2xGE SFP Switch
Ethernet							
Fast Ethernet (RJ45)	16	24	-	8	-	-	-
Gigabit Ethernet (RJ45)	-	-	5	-	8	8	16
Gigabit Ethernet (SFP)	-	-	-	-	-	2	2
Combo Gigabit Ethernet (RJ45/SFP)	2	2	-	-	-	-	-
Standards							
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Ethernet Performance							
MAC Address	4 K	4 K	8 K	8 K	8 K	8 K	8 K
Buffer Memory	352 KB	352 KB	96 KB	104 KB	104 KB	128 KB	512 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward
Backplane	7.2 Gbps	8.8 Gbps	10 Gbps	16 Gbps	16 Gbps	20 Gbps	36 Gbps
Jumbo Frame	-	-	9K	9K	9K	9K	9K
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Filtering/Forwarding Rates							
10Mpps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps
1000Mbps	1,488,000 pps	1,488,000 pps	1,488,000 pps	1,488,000 pps	1,488,000 pps	1,488,000 pps	1,488,000 pps
PoE Function							
Number of PoE Out Ports	16	24	4	8	2x60W UPoE, 4x30W PoE	8	8
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56V DC, Max. 30W or 60W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W
Total PoE Power Budget	240 W	240 W	60 W	115 W	240 W	115 W	240 W
802.3at/af Standard Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
802.3at/af Passive Compatible	-	-	-	-	-	-	-
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-) for 30W 1/2(+), 3/6(-), 4/5(+), 7/8(-) for 60W	1/2(+), 3/6(-)	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	-	-	-	-	-	-	-
PoE PD Auto Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
General							
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Dimensions	440 (L) x 200 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm	160 (L) x 123 (W) x 44 (H) mm	280 (L) x 182 (W) x 44 (H) mm	280 (L) x 182 (W) x 44 (H) mm	280 (L) x 214 (W) x 44 (H) mm	440 (L) x 200 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)

PoE Solution

PoE Solution

Form Factor	Unmanaged PoE Switch	Form Factor	PoE Extender	PoE Extender		
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Model	AW-GET-260A-380
Short Highlight	24xGE PoE + 2xGE SFP Switch
Ethernet	
Fast Ethernet (RJ45)	-
Gigabit Ethernet (RJ45)	24
Gigabit Ethernet (SFP)	2
Combo Gigabit Ethernet (RJ45/SFP)	-
Standards	
IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported
IEEE 802.3af Power over Ethernet	Supported
IEEE 802.3at Power over Ethernet Plus	Supported
Ethernet Performance	
MAC Address	8 K
Buffer Memory	512 KB
Transmission Method	Store and Forward
Backplane	52 Gbps
Jumbo Frame	9K
Auto-MDI/MDI-X, Auto-Negotiation	Supported
Filtering/Forwarding Rates	
10Mpps	14,880 pps
100Mbps	148,000 pps
1000Mbps	1,488,000 pps
PoE Function	
Number of PoE Out Ports	8
PoE Output Power	Per Port 56VDC, Max. 30W
Total PoE Power Budget	370 W
802.3at/af Standard Compatible	Yes
802.3at/af Passive Compatible	-
Power Pin Assignment	1/2(+), 3/6(-)
PoE On/Off by DIP Switch	-
PoE PD Auto Detection	Yes
General	
Power Input	100~240V AC / 50~60Hz
Dimensions	440 (L) x 200 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)

Model	AP-FXC-0100	AP-FXC-0200	AP-FXC-0201	AP-FXC-0400	AP-FXC-0150
Short Highlight	Indoor 1-Port FE PoE Extender	Indoor 2-Port FE PoE Extender	Indoor 2-Port FE PoE Extender with Conduit Box	Indoor 4-Port FE PoE Extender	Outdoor 1-Port FE PoE Extender
Compatible Camera List	VIVOTEK Network Cameras (FD8381-EV, IB8381-E, FE8181/81V, FE8391 excluded)	VIVOTEK Network Cameras (FD8381-EV, IB8381-E, FE8181/81V, FE8391 excluded)	FD8134V, FD8136, FD8137H, FD8137HV, FD8138-H, FD8151V, FD8152V, FD8154, FD8154V, FD8164, FD8164V, FD8166, FD8167, FD8167-T, FD8169, FD8168-HF2, FD8168-HT, FD8168A-HF2, FD8168A-HT, FD8182-F2, FD8182-T, FD8338-HV, FD8367-TV, FD8367-V, FD9171-HT, FD9181-HT, FE8180	VIVOTEK Network Cameras	VIVOTEK Network Cameras (FD8381-EV, IB8381-E, FE8181/81V, FE8391 excluded)
PoE Extension					
Extension Distance	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension	2 Units, Daisy-chain Installation Up to 300M Extension
PoE Output	12-48 W	12-48 W	12-48 W	30 W	12-48 W
IP Camera Compatibility					
Megapixel/D1/VGA	Supported	Supported	Supported	Supported	Supported
MJPEG/MPEG-4/H.264/H.265	Supported	Supported	Supported	Supported	Supported
Standards					
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3x Flow Control (Full-duplex Flow Control)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported	Supported	Supported
Ethernet Performance					
MAC Address	2 K	2 K	2 K	1 K	2 K
Buffer Memory	48 KB	48 KB	48 KB	48 KB	48 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward
Backplane	1.0 Gbps	1.0 Gbps	1.0 Gbps	1.0 Gbps	1.0 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported	Supported	Supported
Filtering/Forwarding Rates					
10Mbps	14,880 pps	14,880 pps	14,880 pps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps	148,000 pps	148,000 pps	148,000 pps
PoE Function					
PSE PoE Fast Ethernet (RJ45)	1	2	2	4	1
PD PoE Fast Ethernet (RJ45)	1	1	1	1	1
Power over Ethernet Output Compatible 802.3at/af Standard	-	-	-	Pin Assignment and Polarity: 1/2 (+), 3/6 (-) Output Power Voltage: 45-55V DC	-
Power over Ethernet Output Compatible 802.3at/af Passive	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC	-	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC
Power over Ethernet Input Compatible 802.3at/af Passive & Standard	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A
Housing	-	-	-	-	IP66
Dimensions	80 (L) x 70 (W) x 23 (H) mm	58 (L) x 108 (W) x 23 (H) mm	153 (L) x 153 (W) x 44 (H) mm	120 (L) x 90 (W) x 28 (H) mm	160 (L) x 114 (W) x 45 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	-20°C ~ 60°C (-4°F ~ 140°F)

PoE Solution

PoE Solution

Form Factor	PoE Extender	Form Factor	PoE Injector	PoE Injector		
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Model	AP-FXC-0250
Short Highlight	Outdoor 2-Port FE PoE Extender
Compatible Camera List	VIVOTEK Network Cameras (FD8381-EV, IB8381-E, FE8181/81V, FE8391 excluded)
PoE Extension	
Extension Distance	2 Units, Daisy-chain Installation Up to 300M Extension
PoE Output	12-48 W
IP Camera Compatibility	
Megapixel/D1/VGA	Supported
MJPEG/MPEG-4/H.264/H.265	Supported
Standards	
IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3x Flow Control (Full-duplex Flow Control)	Supported
IEEE 802.3af Power over Ethernet	Supported
IEEE 802.3at Power over Ethernet Plus	Supported
Ethernet Performance	
MAC Address	2 K
Buffer Memory	48 KB
Transmission Method	Store and Forward
Backplane	1.0 Gbps
Auto-MDI/MDI-X, Auto-Negotiation	Supported
Filtering/Forwarding Rates	
10Mbps	14,880 pps
100Mbps	148,000 pps
PoE Function	
PSE PoE Fast Ethernet (RJ45)	2
PD PoE Fast Ethernet (RJ45)	1
Power over Ethernet Output Compatible 802.3at/af Standard	-
Power over Ethernet Output Compatible 802.3at/af Passive	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 45-55V DC
Power over Ethernet Input Compatible 802.3at/af Passive & Standard	Supports alternatives Mode A or Mode B or Mode A+B Input Voltage: 46-57V DC Max. Input Current: 0.7A/1.4A
Housing	IP66
Dimensions	160 (L) x 114 (W) x 45 (H) mm
Operating Temperature	-20°C ~ 60°C (-4°F ~ 140°F)

Model	AP-FIC-010A-015	AP-FIC-010B-015	AP-GIC-010A-030	AP-GIC-010B-030	AP-GIC-010A-060
Short Highlight	Indoor 1xFE IEEE 802.3af PoE Injector	Indoor 1xFE Passive PoE Injector	Indoor 1xGE IEEE 802.3at PoE Injector	Indoor 1xGE Passive PoE Injector	Indoor 1xGE 60W High Power UPoE Injector
Ethernet					
Fast Ethernet (RJ45)	1	1	-	-	-
Gigabit Ethernet (RJ45)	-	-	1	1	1
Standards					
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	-	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	-	-	Supported	Supported	Supported
Transmission Media					
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base T	-	-	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP
PoE Function					
Number of PoE Out Ports	1	1	1	1	1
PoE Output Power	Per Port 54VDC, Max. 15.4W	Per Port 54VDC, Max. 15.4W	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 30W	Per Port 54VDC, Max. 60W
802.3at Standard Compatible	-	-	Yes	-	Yes
802.3af Standard Compatible	Yes	-	Yes	-	Yes
802.3at Passive Compatible	-	-	-	Yes	-
802.3af Passive Compatible	-	Yes	-	Yes	-
Over Current Protection	Supported	Supported	Supported	Supported	Supported
Circuit Shorting Protection	Supported	Supported	Supported	Supported	Supported
Power Pin Assignment	1/2(+), 3/6(-)	4/5(+), 7/8(-)	1/2(+), 3/6(-)	4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE PD Auto Detection	Supported	-	Supported	-	Supported
General					
Power Input	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz	100~240V AC / 50~60Hz
Power Consumption	19 W	19 W	35 W	35 W	65 W
Dimensions	145 (L) x 63 (W) x 42 (H) mm	145 (L) x 63 (W) x 42 (H) mm	145 (L) x 63 (W) x 42 (H) mm	145 (L) x 63 (W) x 42 (H) mm	162 (L) x 84 (W) x 44 (H) mm
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)

PoE Solution

PoE Solution

Form Factor PoE Injector



Model	AP-GIC-010A-095
Short Highlight	Indoor 1xGE 95W High Power PoH/PoE Injector
Ethernet	
Fast Ethernet (RJ45)	-
Gigabit Ethernet (RJ45)	1
Standards	
IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported
IEEE 802.3af Power over Ethernet	Supported
IEEE 802.3at Power over Ethernet Plus	Supported
Transmission Media	
10Base T	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP
1000Base T	Cat. 5e, 6, 7 UTP/STP
PoE Function	
Number of PoE Out Ports	1
PoE Output Power	Per Port 54VDC, Max. 95W
802.3at Standard Compatible	Yes
802.3af Standard Compatible	Yes
802.3at Passive Compatible	-
802.3af Passive Compatible	-
Over Current Protection	Supported
Circuit Shorting Protection	Supported
Power Pin Assignment	1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE PD Auto Detection	Supported
General	
Power Input	100V~240VAC / 50~60Hz
Power Consumption	100W
Dimensions	162 (L) x 84 (W) x 44 (H) mm
Operating Temperature	-20°C ~ 30°C (-4°F ~ 86°F)

Form Factor Industrial Layer 2 Plus Managed PoE Switch






Model	AW-IHT-1270
Short Highlight	8xGE PoE + 4xGE SFP Layer 2 Plus Managed PoE Switch
Ethernet	
Gigabit Ethernet (RJ45)	8
Gigabit Ethernet (SFP)	4
Standards	
IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported
IEEE802.3az Energy Efficient Ethernet	Supported
IEEE802.3af Power over Ethernet	Supported
IEEE802.3at Power over Ethernet	Supported
Ethernet Performance	
MAC Address	8 K
Buffer Memory	512 KB
Backplane	20 Gbps
Jumbo Frame	9K
Auto-MDI/MDI-X, Auto-Negotiation	Supported
PoE Function	
Number of PoE Out Ports	8
PoE Output Power	Per Port 54VDC, Max. 30W
Total PoE Power Budget	260 W
Power Pin Assignment	1/2(+), 3/6(-)
PoE PD Auto Detection	Yes
PoE Management :PoE Config/Alive Checking/Scheduling/ Power Delay	Supported
L2 Switching Feature	
IEEE 802.1p Quality of Service	Supported
IEEE 802.1q Virtual LANs	Supported
IEEE 802.1d/w/ STP/RSTP/Xpress Ring	Supported
IEEE 802.3ad Link Aggregation Control Protocol	Supported
IEEE 802.1X Authorization	Supported
DHCP Snooping	Supported
IGMP Snooping v1/v2/v3	Supported
L3 Switching Feature	
Static Route	Supported
DHCP Server	Supported
General	
Power Input	PW1: 48 ~ 57VDC PW2: 48 ~ 57VDC Redundant Power Backup
Dimensions	161.5 (L) x 122.2 (W) x 50 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)

Form Factor Industrial Unmanaged PoE Switch








Model	AW-IHT-0200	AW-IHU-0200	AW-IHH-0200
Short Highlight	Industrial 1xGE PoE + 1xGE SFP Switch	Industrial 1xGE 60W UPoE + 1xGE SFP Switch	Industrial 1xGE 95W PoH/PoE + 1xGE SFP Switch
Ethernet			
Fast Ethernet (RJ45)	-	-	-
Fast Ethernet (Fiber)	-	-	-
Fast Ethernet (M12)	-	-	-
Gigabit Ethernet (RJ45)	1	1	1
Gigabit Ethernet (SFP)	1	1	1
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-
Standards			
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported	Supported	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported
Ethernet Performance			
MAC Address	1 K	1 K	1 K
Buffer Memory	128 KB	128 KB	128 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward
Backplane	2 Gbps	2 Gbps	2 Gbps
Jumbo Frame	9 KB	9 KB	9 KB
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported
Transmission Media			
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base T	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP
PoE Function			
Number of PoE Out Ports	1	1	1
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 60W	Per Port 56VDC, Max. 95W
802.3at/af Standard Compatible	Yes	Yes	Yes
Over Current Protection	Supported	Supported	Supported
Circuit Shorting Protection	Supported	Supported	Supported
Total PoE Power Budget	30 W	60 W	95 W
Power Pin Assignment	1/2(+), 3/6(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
General			
Power Input	Redundant Dual 48V-56V DC Power Input	Redundant Dual 50V-56V DC Power Input	50V-56VDC Power Input
Dimensions	103.5 (L) x 81.5 (W) x 32 (H) mm	103.5 (L) x 81.5 (W) x 32 (H) mm	103.5 (L) x 81.5 (W) x 32 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

Form Factor	Industrial Unmanaged PoE Switch				Industrial Unmanaged PoE Switch		
							
Model	AW-IHT-0500	AW-IHT-0501	AW-IHT-0502	AW-IHT-0600	AW-IHT-0601	AW-IHT-0602	AW-IHU-0600
Short Highlight	Industrial 4xFE PoE + 1xFE Switch	Industrial 4xFE PoE + 1xFE SC Multi-Mode 2KM Switch	Industrial 4xFE PoE + 1xFE SC Single-Mode 30KM Switch	Industrial 4xGE PoE + 1xGE Combo + 1xGE SFP Switch	Industrial 4xGE PoE + 1xGE Combo + 1xGE SFP Switch	Industrial EN50155 4xFE M12 PoE + 2xFE M12 Switch	Industrial 4xGE 60W UPoE + 2xGE SFP Switch
Ethernet							
Fast Ethernet (RJ45)	5	4	4	-	-	-	-
Fast Ethernet (Fiber)	-	1xSC Multi-mode 2 km	1xSC Single-mode 30 km	-	-	-	-
Fast Ethernet (M12)	-	-	-	-	-	6	-
Gigabit Ethernet (RJ45)	-	-	-	4	4	-	4
Gigabit Ethernet (SFP)	-	-	-	1	1	-	2
Combo Gigabit Ethernet (RJ45/SFP)	-	-	-	1	1	-	-
Standards							
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	-	-	Supported	Supported	-	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	Supported	Supported	Supported	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Ethernet Performance							
MAC Address	1 K	1 K	1 K	1 K	1 K	1 K	1 K
Buffer Memory	128 KB	128 KB	128 KB	128 KB	128 KB	128 KB	128 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward	Store and Forward
Backplane	1 Gbps	1 Gbps	1 Gbps	12 Gbps	12 Gbps	1.2 Gbps	12 Gbps
Jumbo Frame	-	-	-	9 KB	9 KB	-	9 KB
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Transmission Media							
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base T	-	-	-	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP	-	Cat. 5e, 6, 7 UTP/STP
PoE Function							
Number of PoE Out Ports	4	4	4	4	4	4	4
PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 60W
802.3at/af Standard Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Over Current Protection	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Circuit Shorting Protection	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Total PoE Power Budget	120 W	120 W	120 W	120 W	24V DC ~ 56V DC: 120 W 12V DC: 65 W	120 W	240 W
Power Pin Assignment	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)
General							
Power Input	Redundant Dual 48V-56V DC Power Input	Redundant Dual 48V-56V DC Power Input	Redundant Dual 48V-56V DC Power Input	Redundant Dual 48V-56V DC Power Input	Redundant Dual 12V-56V DC Power Input	Redundant Dual 24V-56V DC Power Input	Redundant Dual 50V-56V DC Power Input
Dimensions	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 36.2 (H) mm	142 (L) x 105 (W) x 43 (H) mm	142 (L) x 105 (W) x 43 (H) mm	112 (L) x 112 (W) x 60 (H) mm	142 (L) x 105 (W) x 43 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

PoE Solution

PoE Solution

Form Factor	Industrial Unmanaged PoE Switch	Form Factor	Industrial PoE Injector	Industrial PoE Injector	Industrial PoE Injector	Form Factor	Industrial Media Converter
	 Coming Soon						
Model	AW-IHT-1000	Model	AW-IHT-0100	AW-IHU-0100	AW-IHH-0100	Model	AW-IHS-0200
Short Highlight	Industrial 8xFE PoE + 2GE RJ45/SFP Combo Switch	Short Highlight	Industrial 1xGE PoE Injector	Industrial 1xGE 60W UPoE Injector	Industrial 1xGE 95W PoH/PoE Injector	Short Highlight	Industrial 1xFE + 1xFE SC Multi-Mode 2KM Media Converter
Ethernet							
Fast Ethernet (RJ45)	8	Fast Ethernet (RJ45)	-	-	-	Fast Ethernet (RJ45)	1
Fast Ethernet (Fiber)	-	Gigabit Ethernet (RJ45)	2	2	2	Fast Ethernet (Fiber)	1xSC Multi-mode 2 km
Fast Ethernet (M12)	-	Standards					
Gigabit Ethernet (RJ45)	-	IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported	Gigabit Ethernet (RJ45)	-
Gigabit Ethernet (SFP)	2	IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported	Gigabit Ethernet (SFP)	-
Combo Gigabit Ethernet (RJ45/SFP)	-	IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported	Supported	Supported	Standards	
Standards							
IEEE 802.3 10-BASE-T (Ethernet)	Supported	IEEE 802.3af Power over Ethernet	Supported	Supported	Supported	IEEE 802.3 10-BASE-T (Ethernet)	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	IEEE 802.3at Power over Ethernet Plus	Supported	Supported	Supported	IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	Supported	Transmission Media					
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-
IEEE 802.3af Power over Ethernet	Supported	100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported
IEEE 802.3at Power over Ethernet Plus	Supported	1000Base T	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP	Cat. 5e, 6, 7 UTP/STP	Ethernet Performance	
Ethernet Performance							
MAC Address	8 K	PoE Function					
Buffer Memory	128 KB	Number of PoE Out Ports	1	1	1	MAC Address	1 K
Transmission Method	Store and Forward	PoE Output Power	Per Port 56VDC, Max. 30W	Per Port 56VDC, Max. 60W	Per Port 56VDC, Max. 95W	Buffer Memory	128 KB
Backplane	5.6 Gbps	802.3at Standard Compatible	Yes	Yes	Yes	Transmission Method	Store and Forward
Jumbo Frame	-	802.3af Standard Compatible	Yes	Yes	Yes	Auto-MDI/MDI-X, Auto-Negotiation	Supported
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Over Current Protection	Supported	Supported	Supported	Filtering/Forwarding Rates	
Transmission Media							
10Base T	Cat. 3, 4, 5 UTP/STP	Circuit Shorting Protection	Supported	Supported	Supported	10Mbps	14,880 pps
100Base TX	Cat. 5, 5e UTP/STP	Power Pin Assignment	1/2(+), 3/6(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	1/2(-), 3/6(+), 4/5(+), 7/8(-)	100Mbps	148,000 pps
1000Base T	Cat. 5e, 6, 7 UTP/STP	PoE PD Auto Detection	Supported	Supported	Supported	1000Mbps	-
PoE Function							
Number of PoE Out Ports	8	General					
PoE Output Power	Per Port 56VDC, Max. 30W	Power Input	Redundant Dual 48V-56V DC Power Input	Redundant Dual 48V-56V DC Power Input	Redundant Dual 50V-56VDC	Transmission Media	
802.3at/af Standard Compatible	Yes	Power Consumption	35 W	65 W	100 W	10Base T	Cat. 3, 4, 5 UTP/STP
Over Current Protection	Supported	Dimensions	103 (L) x 81 (W) x 32 (H) mm	103 (L) x 81 (W) x 32 (H) mm	103 (L) x 81 (W) x 32 (H) mm	100Base TX	Cat. 5, 5e UTP/STP
Circuit Shorting Protection	Supported	Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	1000Base T	-
Total PoE Power Budget	240 W	General					
Power Pin Assignment	1/2(+), 3/6(-)	Power Input	Redundant Dual 48V-56V DC Power Input		Redundant Dual 50V-56VDC	Power Input	
General							
Power Input	Redundant Dual 48V-56VDC Power Input	Power Consumption	35 W	65 W	100 W	18V-36V AC or 12V-56V DC Power Input	
Dimensions	142 (L) x 125 (W) x 50 (H) mm	Dimensions	103 (L) x 81 (W) x 32 (H) mm	103 (L) x 81 (W) x 32 (H) mm	103 (L) x 81 (W) x 32 (H) mm	59 (L) x 49 (W) x 36 (H) mm	
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	

PoE Solution

Form Factor Industrial Media Converter



Model	AW-IHS-0201	AW-IHS-0202	AW-IHS-0203
Short Highlight	Industrial 1xFE + 1xFE SC Single-Mode 30KM Media Converter	Industrial 1xFE + 1xFE SFP Media Converter	Industrial 1xGE + 1xGE SFP Media Converter
Ethernet			
Fast Ethernet (RJ45)	1	1	-
Fast Ethernet (Fiber)	1xSC Single-mode 30 km	1xSFP	-
Gigabit Ethernet (RJ45)	-	-	1
Gigabit Ethernet (SFP)	-	-	1
Standards			
IEEE 802.3 10-BASE-T (Ethernet)	Supported	Supported	Supported
IEEE 802.3u 100-BASE-TX (Fast Ethernet)	Supported	Supported	Supported
IEEE 802.3ab 1000-BASE-T (Gigabit Ethernet)	-	-	Supported
IEEE 802.3x Flow Control (Full-Duplex Flow Control)	Supported	Supported	Supported
Ethernet Performance			
MAC Address	1 K	1K	1 K
Buffer Memory	128 KB	128 KB	128 KB
Transmission Method	Store and Forward	Store and Forward	Store and Forward
Auto-MDI/MDI-X, Auto-Negotiation	Supported	Supported	Supported
Filtering/Forwarding Rates			
10Mbps	14,880 pps	14,880 pps	14,880 pps
100Mbps	148,000 pps	148,000 pps	148,000 pps
1000Mbps	-	-	1,488,000pps
Transmission Media			
10Base T	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP	Cat. 3, 4, 5 UTP/STP
100Base TX	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP	Cat. 5, 5e UTP/STP
1000Base T	-	-	Cat. 5e, 6, 7 UTP/STP
General			
Power Input	18V-36V AC or 12V-56V DC Power Input	18V-36V AC or 12V-56V DC Power Input	Redundant Dual 18V-36V AC or 12V-56VDC Power Input
Dimensions	59 (L) x 49 (W) x 36 (H) mm	59 (L) x 49 (W) x 36 (H) mm	103.5 (L) x 81.5 (W) x 32 (H) mm
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

PoE Accessories

Industrial Power Supply



Model Name	IRM-60-12ST	IRM-60-48ST	MDR-10-12	NDR-75-24	NDR-75-48	NDR-120-48
Description	85~264VAC in, 12VDC/60W out, -30°C ~ 70°C	85~264VAC in, 48VDC/60W out, -30°C ~ 70°C	Indoor Industrial Din Rail Power Supply, 12VDC/10W, -20°C ~ 70°C	Indoor Industrial Din Rail Power Supply, 24~28VDC/75W, -20°C ~ 70°C	Indoor Industrial Din Rail Power Supply, 48~55VDC/75W, -20°C ~ 70°C	Indoor Industrial Din Rail Power Supply, 48~55VDC/120W, -20°C ~ 70°C

Industrial Power Supply



Model Name	NDR-240-48	HLG-80H-24	HLG-80H-48	HLG-80H-54	HLG-120H-48	HLG-120H-54
Description	Indoor Industrial Din Rail Power Supply, 48~55VDC/240W, -20°C ~ 70°C	Outdoor Industrial Power Supply, 24VDC/80W, -40°C ~ 70°C, IP67	Outdoor Industrial Power Supply, 48VDC/80W, -40°C ~ 70°C, IP67	Outdoor Industrial Power Supply, 54VDC/80W, -40°C ~ 70°C, IP67	Outdoor Industrial Power Supply, 48VDC/120W, -40°C ~ 70°C, IP67	Outdoor Industrial Power Supply, 54VDC/120W, -40°C ~ 70°C, IP67

Industrial Power Supply SFP Transceiver



Model Name	HLG-240H-54	SFP-1000-MM85-X5	SFP-1000-MM13-02	SFP-1000-MM13-10	SFP-1000-MM13-40	SFP-1000-MM85-X5I
Description	Outdoor Industrial Power Supply, 54VDC/240W, -40°C ~ 70°C, IP67	1.25G Multi-Mode SFP, 850nm, 0.5KM, 0°C ~ 70°C	1.25G Multi-Mode SFP, LC, 1310nm, 2KM, 0°C ~ 70°C	1.25G Single-Mode SFP, LC, 1310nm, 10KM, 0°C ~ 70°C	1.25G Single-Mode SFP, LC, 1310nm, 40KM, 0°C ~ 70°C	Industrial 1.25G Multi-Mode SFP, LC, 850nm, 0.5KM, -40°C ~ 85°C

SFP Transceiver SFP+ Transceiver



Model Name	SFP-1000-MM13-02I	SFP-1000-MM13-10I	SFP-1000-MM13-40I	SFP-1000-CPTX-X1	SFP-1000-CPTX-X1I	SFP-2000-MM85-X3
Description	Industrial 1.25G Multi-Mode SFP, LC, 1310nm, 2KM, -40°C ~ 85°C	Industrial 1.25G Single-Mode SFP, LC, 1310nm, 10KM, -40°C ~ 85°C	Industrial 1.25G Single-Mode SFP, LC, 1310nm, 40KM, -40°C ~ 85°C	1000BaseT, SFP to RJ45, 100M, 0°C ~ 70°C	1000BaseT, SFP to RJ45, 100M, -40°C ~ 85°C	10G Multi-Mode SFP+, LC, 850nm, 0.3KM, 0°C ~ 70°C

SFP+ Transceiver



Model Name	SFP-2000-SM13-10
Description	10G Single-Mode SFP+, LC, 1310nm, 10KM, 0°C ~ 70°C

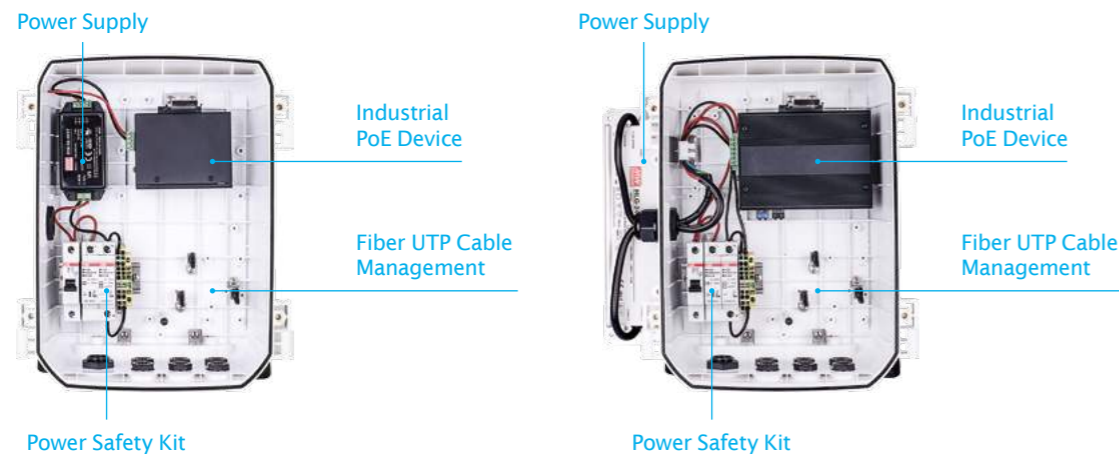
Cabinet



AT-CAB-001



AT-CAS-001



AT-CAB-001/AT-CAS-001

AT-CAB-001/AT-CAS-001+AT-CAB-002

	Cabinet		Cabinet Accessories			
Model Name	AT-CAB-001	AT-CAS-001	AT-CAB-002	AT-SUN-001	AT-SUN-002	AT-SWH-000
Description	Cabinet	Cabinet for Speed dome (SD936X)	Side-mount bracket for HLG series power supply	Sunshield for AT-CAX series cabinet	Sunshield for AT-CAX + AT-CAB-002 cabinet	Power Safety Kit

Cabinet Accessories						
Model Name	AT-SWH-002	AT-PSP-001	AT-WPC-001	AT-WPC-002	AM-311	AM-411
Description	Door open/close detection switch	PoE Surge Protector	M16 CABLE GLAND for 4~7mm AWG	M16 CABLE GLAND for Corrugated Tubing: 5/16"	Pole mount adapter	Corner mount adapter

Accessories

Mounting Kits						
Model Name	AM-102	AM-103	AM-104	AM-105	AM-107	AM-114
Description	Recessed kit (Fixed dome)	Recessed kit (Speed dome)	Recessed kit (SD8161)	Recessed kit (Fixed dome)	Recessed kit (SD9161-H)	Pendant head (Water proof)

Mounting Kits						
Model Name	AM-118	AM-116/AM-117	AM-131	AM-11C	AM-11D	AM-212
Description	Pendant head	Pendant Pipe (20/40 cm)	Mounting bracket	J-Shape Bracket for Bullet	J-Shape Bracket for Enclosure	Wall mount bracket

Mounting Kits						
Model Name	AM-214	AM-215	AM-21A	AM-219	AM-21C	AM-221
Description	L shape bracket (Compact size)	L shape bracket (Standard size)	L shape bracket	Bracket for AI-104	Wall mount bracket for speed dome	Gooseneck bracket

Mounting Kits						
Model Name	AM-231	AM-311	AM-312	AM-313	AM-411	AM-412
Description	Parapet mount bracket	Pole mount adapter	Pole mount adapter	Pole mount adapter	Corner mount adapter	Corner mount adapter

Mounting Kits						
Model Name	AM-513	AM-514	AM-516	AM-517	AM-51C	AM-51D
Description	Adapter plate for FD8367	Adapter plate for FD9171/ FD8167	Adapter plate	Adapter plate	Adapter plate for FD9371/ FE8181	Adapting plate (4" square electrical box)

Accessories

Mounting Kits							
Model Name	AM-523	AM-524	AM-526	AM-515	AM-519	AM-520	AM-521
Description	Adapting plate (4" square electrical box)	Adapting plate (4" and 3.1/2" electrical box)	Pendant mount adapter (3/4" NPT)	1.5" NPT M adapter	1.5" NPT adapter	Mounting adapter (3/4" NPT F and 1.5" PS11 M)	Mounting adapter for indoor speed dome

Mounting Kits							
Model Name	AM-522	AM-525	AM-527	AM-528	AM-529	AM-52A	AM6101
Description	Mounting adapter (3/4" NPT M and 1.5" PS11 M)	Mounting adapter (3/4" NPT F and 1.5" PS11 M)	Mounting adapter (3/4" NPT F and 1.5" PS11 M)	Mounting adapter for outdoor dome (3/4" NPT F and 1.5" PS11 M)	Mounting adapter for speed dome (SD936x)	Mounting adapter for speed dome (SD916-H)	Wall Mount Kit for VS8401/VS8801

Mounting Kits							
Model Name	AM6102	AM-711	AM-712	AM-713	AM-714	AM-715	AM-717
Description	Rack Mount Kit for VS8401/VS8801	Junction box	Conduit Box	Conduit Box (Water-proof)	Junction box (Bullet)	Junction box (Bullet)	Junction box

Enclosures							
Model Name	SP-702A	AE-201	AE-202	AE-211	AE-232	AE-234	AE-235
Description	Mounting bracket	Indoor camera enclosure (Transparent cover)	Indoor camera enclosure (Smoke cover)	Outdoor enclosure with blower (90~240V AC input)	Outdoor enclosure with blower/heater (90~240V AC input)	Outdoor enclosure with fan/heater, IR, IK10 (90~240V AC input)	Outdoor enclosure with fan/heater, IR (90~240V AC input)

Enclosures				Dome Covers			
Model Name	AE-237	AE-241	AE-242	AE-251	AE-252	AC-113	AC-212
Description	Outdoor enclosure with -20~50°C, Anti-Icing Heated Glass, Fan, 24V AC input	Outdoor enclosure with -20~50°C, 50 m IR, Anti-Icing Heated Glass, Fan, 30W PoE input	Outdoor enclosure with -40~50°C, 50 m IR, Anti-Icing Heated Glass, Fan, UPoE input	Outdoor dome housing with fan/heater (Transparent cover) (DC 12V input)	Outdoor dome housing with fan/heater (Smoke cover) (DC 12V input)	Transparent speed dome cover, IK10, no molding line	Smoked speed dome cover

Accessories

Dome Covers				IR Illuminators	Lenses		
Model Name	AC-227	AC-228	AC-229	AC-214	AI-104-010/025/035	AL-231	AL-232
Description	Transparent cover for CU8131, FD816C(A)-HF2	Transparent cover for CU8171, FE8182	IK10 Transparent cover for recessed-mount cameras	Smoked speed dome cover	IR illuminators, distance 100M/50M/25M, IP66, IK10	CS mount, 2.8~12mm, F1.2, DC-Iris, 1/2.7"	CS mount, 3.1~8mm, F1.2, DC-Iris, 1/2.7"

Lenses							
Model Name	AL-233	AL-234	AL-241	AL-242	AL-243	AL-244	AL-245
Description	CS mount, 5~50 mm, F1.6, DC-iris, 1/3"	CS mount, 5 ~ 50 mm, F1.6, DC-iris, 1/2.7"	CS mount, 3.1 ~ 8 mm, F1.2, P-iris, 1/2.7"	CS mount, 12.5 ~ 50 mm, F1.4, P-iris, 1/2.7"	CS mount, 7~22 mm, F1.4, P-iris, 1/2.7"	C mount, 4~18 mm, F1.4, P-iris, 1/1.8"	CS mount, 12~40 mm, F1.8, P-iris, 1/1.8"

Power Adapters				Network Accessories	Joystick	Cable	
Model Name	AA-221/AA-222	AA-231	AA-341	AN3000	IPD-USB	AO-001	AO-002
Description	DC 12V 1.5A power adapter	DC 12V 2.5A power adapter	AC 24V 3.5A power adapter	Outdoor Ethernet waterproof connector	USB joystick	I/O Cable for speed dome	RJ45 to M12 (4-pin) water-proof Cable (1 meter)

Cable		Storage
Model Name	AO-003	SR-64UXA/TR1
Description	I/O Cable for speed dome	Sony 64GB SD Card (Individual Pack w/ SD Card Adapter)

Mounting Installation								
Indoor		Dome / Fisheye						
Application	Model	FD8136 FD8152V FD8166 FD8166A FE8180	FD8137H FD8154 FD8164 FD8169	FD8138-H FD8167 Series FD8168 Series FD8168A Series FD8182 Series FD9171-HT FD9181-HT	FD8155H FD8165H FD8171 FD8173-H FD8181	FD8167A FD8169A FD8177-H FD8179-H	FE8174 FE9181-H	FE8181 FE8191 FE9182-H
Ceiling Mount	AM-102				•			
	AM-105			•				
L-Shape Wall Mount	AM-214		•					
	AM-215			•	•			
	AM-21A			•		•		
Adapter Plate	AM-514			•			•	
	AM-516				•			
	AM-517		•	•			•	•
	AM-51C							•
	AM-51D					•		
	AM-524	•						

Mounting Installation								
Indoor		Dome / Fisheye						
Application	Model	FD8136 FD8152V FD8166 FD8166A FE8180	FD8137H FD8154 FD8164 FD8169	FD8138-H FD8167 Series FD8168 Series FD8168A Series FD8182 Series FD9171-HT FD9181-HT	FD8155H FD8165H FD8171 FD8173-H FD8181	FD8167A FD8169A FD8177-H FD8179-H	FE8174 FE9181-H	FE8181 FE8191 FE9182-H
Mounting Adapter/Conduit Box	AM-520		•		•		•	•
	AM-527			•				
	AM-528					•		
	AM-712 AM-522	•	•	•				
Pendant Mount*	 AM-116/117 (Optional) AM-118							
Wall Mount*	 AM-212 OR AM-221 + AM-711 (Optional)							
	 AM-218 + AM-714 (Optional)							









* Please select the correct mounting adapter/conduit box for each mounting scenario.

Mounting Installation							
Outdoor		Dome / Fisheye					
Application	Model	FD8137HV FD8154V FD8164V	FD8338-HV FD8367-(T)V	FD8355(E)HV FD8362(E) FD8365(E)HV FD8371(E)V FD8373-EHV FD8381-EV	FD836B Series FD836BA Series FD8382 Series FD9371 Series FD9381 Series	FD8367A-V FD8369A-V FD8377-HV FD8379-HV	FE8174V FE8181V FE8391-V FE9381-EHV FE9382-EHV
L-Shape Wall Mount	AM-214	•					
	AM-215		•	•			
	AM-21A				•	•	
Adapter Plate	AM-513		•				
	AM-517	•	•				
	AM-51C				•		
	AM-51D					•	
	Inbox Plate			•		•	

























Mounting Installation							
Outdoor		Dome / Fisheye					
Application	Model	FD8137HV FD8154V FD8164V	FD8338-HV FD8367-(T)V	FD8355(E)HV FD8362(E) FD8365(E)HV FD8371(E)V FD8373-EHV FD8381-EV	FD836B Series FD836BA Series FD8382 Series FD9371 Series FD9381 Series	FD8367A-V FD8369A-V FD8377-HV FD8379-HV	FE8174V FE8181V FE8391-V FE9381-EHV FE9382-EHV
Mounting Adapter/ Conduit Box	AM-520	•	•	•			•
	AM-525				•		
	AM-528					•	
	AM-713 + AM-522				•		
Pendant Mount*	AM-116/117 (Optional) + AM-114 =						
Wall Mount*	AM-212 OR AM-221 + AM-711 (Optional) =						
	AM-218 + AM-714 (Optional) =						
Pole Mount*	AM-212 OR AM-221 + AM-711 (Optional) + AM-311 =						
	AM-218 + AM-714 (Optional) + AM-312 =						

* Please select the correct mounting adapter/conduit box for each mounting scenario.

Accessories

Mounting Installation							
Outdoor		Bullet					Multi-Sensor
Application	Model	IB8373-EH IB8381 Series IP8355 Series IP8365 Series IP8371 Series	IB8338 Series IB8367 Series	IB8368 Series IB836BA Series IB8382 Series IB9371 Series IB9381 Series	IB8369 IB8369A IB8379-H	IB8354-C IP8337H-C	MS8391-EV
Ceiling Mount	 AM-11C	•					
Pole Mount	 AM-311	•	•	•		•	
	 AM-312			•			•
	 AM-313	•					
Adapter Plate	 AM-523	•			•		
Junction Box	 AM-714			•			
	 AM-715		•				
	 AM-717	•					

Accessories

Mounting Installation				
		Outdoor Speed Dome		Indoor Speed Dome
Application	Model	SD9361-EHL SD9362-EH(L)	SD9363-EHL SD9364-EH(L)	SD9161-H
Cabinet	 AT-CAS-001	•	•	
Pole Mount	 AM-311	•	•	
Corner Mount	 AM-411	•	•	
Mounting Adapter	 AM-529	•	•	
	 AM-52A			•
Pendant Mount*	 +  = 			
Wall Mount*	 OR  +  = 			
Pole Mount*	 OR  +  +  = 			
Corner Mount*	 OR  +  +  = 			
Parapet Mount*	 = 			

* Please select the correct mounting adapter/conduit box for each mounting scenario.

Business Intelligence for Retail Solution

Insights into Store Management

VIVOTEK's Business Intelligence Retail Solution provides retail stores powerful and clear surveillance to protect the owners' merchandise, prevent theft, secure transactions, and obtain intelligent retail analysis. Adopting VIVOTEK's integrated IP system, users can not only optimize their operating decisions, boost sales productivity and maximize revenue, but can also enhance shop-to-shop management effectively at any time and from any location. VIVOTEK provides retail owners and operators to experience the high accuracy of VIVOTEK's 3D people counting solution (SC8131 model) combined with its brand-new VAST 2 VMS for Security and Business.

3D People Counting Solution



SC8131

VAST 2



POS

POS real-time monitoring with highlighted transaction details for preventing store loss and retail shrinkage.



Zone Count

Gain real-time precise zone-analytics and deploy for store-layout improvement, promotion evaluation, and better control of service times and allocation of human resources.



Heat Map

Understand traffic flow and dwell times, and optimize store layout through product placement to create revenue and prevent shoplifting. Also allows for promotion evaluation.



Real-time Reports

Intelligent retail management will be enriched with VAST 2 VMS, which provides instant dedicated VCA reports for business owners. Information vital to your business will always be on hand.



Entry Count

Provides real-time precise analytics and allows for sales improvement, promotion evaluation, and staff planning and management.



Path Flow

See how customers move around your store and improve merchandise displays to achieve maximum coverage. Provide customers with a better shopping experience and increase sales.



Remote & Mobile Surveillance

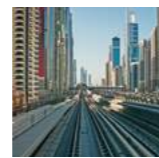
With iViewer and EZConnect apps, users can control and monitor while on-the-go, makes management of cross-location stores both more efficient and more cost-effective.

Transportation Solution



VIVOTEK Provides Dedicated Solutions for Railway System

The variety of environments and conditions encompassed by the railway sector is vast—outdoor and indoor spaces; wide-open and constrained areas; low-light and brightly lit; day and night – railways cover every conceivable operating environment. In view of this situation, VIVOTEK has developed a broad range of EN50155 compliance solutions, including high-performance network cameras and industrial switches.



Front and Rear Facing



- MD8563-EH**
- 2MP, WDR Pro
 - M12 Connector
 - Video Rotation
 - Two-way Audio
 - IP67, IK10



Carriage Interior



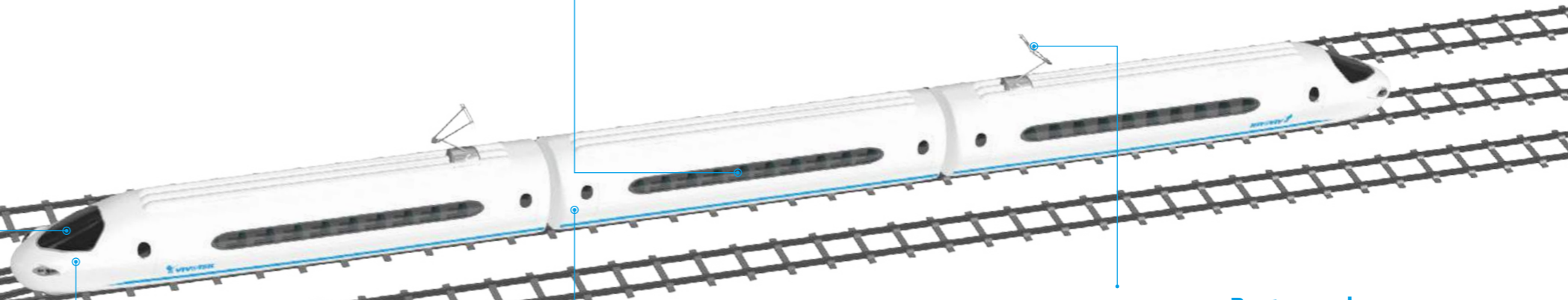
- MD8563-EH**
- 2MP, WDR Pro
 - Video Rotation
 - Two-way Audio
 - M12 Connector
 - IP67, IK10



- FE8181V(M12)**
- 5MP
 - 360° Surround View
 - 10M IR
 - Two-way Audio
 - IP66, IK10



- FE9381-EHV**
- 5MP
 - 360° Surround View
 - Two-way Audio
 - IP66, IK10



Pantograph



- MD8564-EH**
- 2MP, WDR Pro
 - 30M IR
 - Video Rotation
 - IP68, IK10



Driver Car



- AW-IHT-0602**
- 4xFE PoE M12 + 2xFE M12 Ports
 - -40°C ~ 75°C (-40°F ~ 167°F)
 - Redundant 24~56VDC Power Input
 - 24VDC/1A Alarm Relay Output
 - Compact Size



- FE8181V(M12)**
- 5MP
 - 360° Surround View
 - 10M IR
 - Two-way Audio
 - IP66, IK10



Carriage Exterior



- MD8531H**
- 1.2MP
 - WDR Pro (120dB)
 - Video Rotation
 - IP66, IK10



- MD8563-EH**
- 2MP, WDR Pro
 - Video Rotation
 - Two-way Audio
 - M12 Connector
 - IP67, IK10



- MD8564-EH**
- 2MP, WDR Pro
 - 30M IR
 - Video Rotation
 - IP68, IK10




LPR Solution

High-Performance and Accurate LPR Solution for 24/7 Traffic Monitoring

In order to deliver greater capabilities in License Plate Recognition, VIVOTEK has cooperated with LPR software developed by global partners to capture license plate images for LPR applications. VIVOTEK's LPC (License Plate Capture) cameras provide dual lane LPC with 2-Megapixel clarity from a single camera with value-added features like RBF (Remote Back Focus), EIS (Electronic Image Stabilization), IR pass filter, and optional

external IR LEDs. VIVOTEK's economic LPC solution delivers clear license plate images for reliable recognition, in both the highest levels of glare and in the darkest hours of the night. This cooperation of VIVOTEK's LPC cameras and LPR/ANPR software application partners enhances traffic management and strengthens enforcement applications.

Recommended Products

- 
IP816A-LPC Kit
 · 2MP, 30 fps, External IR LEDs, for Street
- 
IP816A-LPC (40mm)
 · 2MP, 30 fps, for Street
- 
IP816A-LPC (18mm)
 · 2MP, 30 fps, for Parking Lot

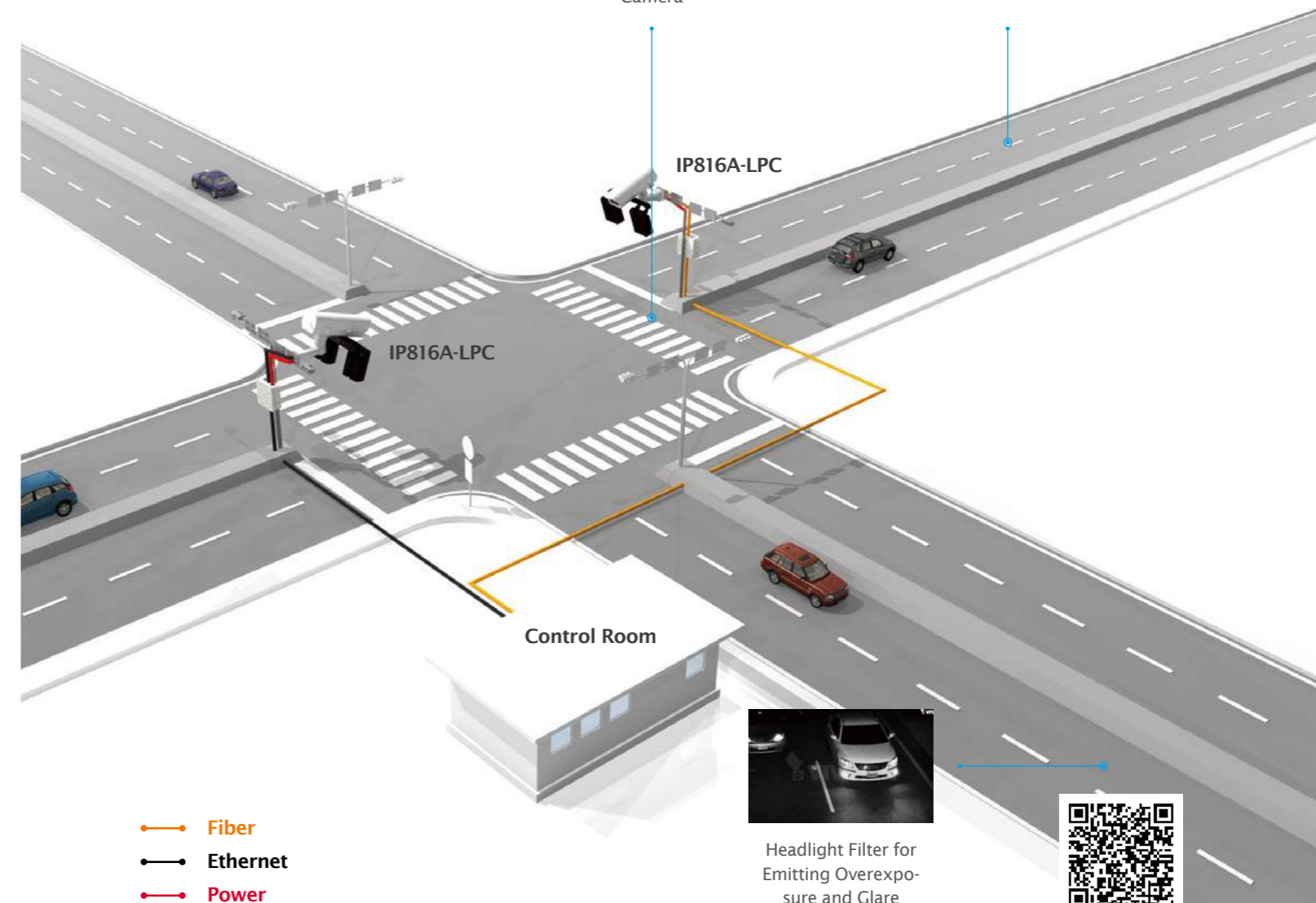
Integrated 3rd party LPR/ALPR Software Partners



Scene Overview and LPC View in One Camera



Wide Coverage for Dual Lanes



H.265 + Smart Stream II

Reduce Bandwidth and Storage Usage by up to 80%

VIVOTEK, a Leading Provider of H.265

A pioneer in the use of H.265 technology for surveillance, VIVOTEK is proud to launch the new H.265 network cameras, available in 2-Megapixel to 5-Megapixel models and in a range of form factors to suit any application. Employing H.265 technology enables these cameras to provide higher and more efficient image compression

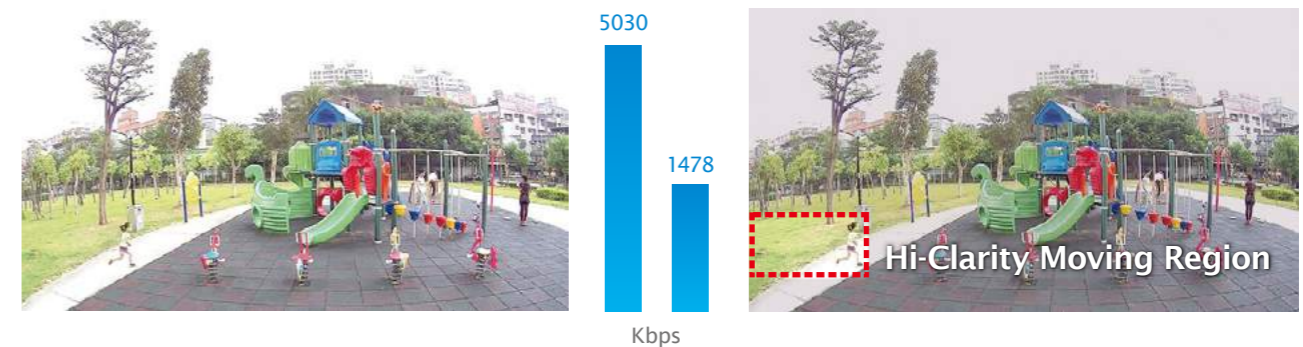
rates than previous H.264 systems while maintaining the high image quality. Additionally, VIVOTEK's NVRs (network video recorders) and professional VMS (video management software), VAST, provide complete H.265 solutions for professional surveillance operations.



VIVOTEK's Smart Stream II, Make Your Bandwidth More Efficient

In addition to the deployment of H.265 hardware, VIVOTEK also releases the sophisticated Smart Stream II, the next generation of video compression technology. Utilizing VIVOTEK's Smart Stream II, cameras are able to optimize quality for desired regions and adjust encoding automatically to maximize bandwidth usage efficiency.

Customers will benefit from significant reduction in network bandwidth and storage requirements. Combining H.265 and VIVOTEK's Smart Stream II, the H.265 cameras both reduce bandwidth and storage consumption by up to 80% more than cameras using H.264.



* Combining both H.265 and VIVOTEK Smart Stream II, the camera can reduce bandwidth and storage consumption by up to 80%



VivoCam Layer 2 Plus Managed PoE Switch

AW-GEV Series

The World's first PoE switch with IP surveillance management functions

The VIVOTEK AW-GEV series, referred to as VivoCam PoE switch, is the world's first PoE switch with IP surveillance management functions. This switch is not only a standard L2 PoE switch, but also able to set up and configure VIVOTEK IP

Cameras, Video Server, NVR and CMS. Using AW-GEV series, the VivoCam PoE switch allows users to find all VIVOTEK devices and deploy a surveillance network system automatically.

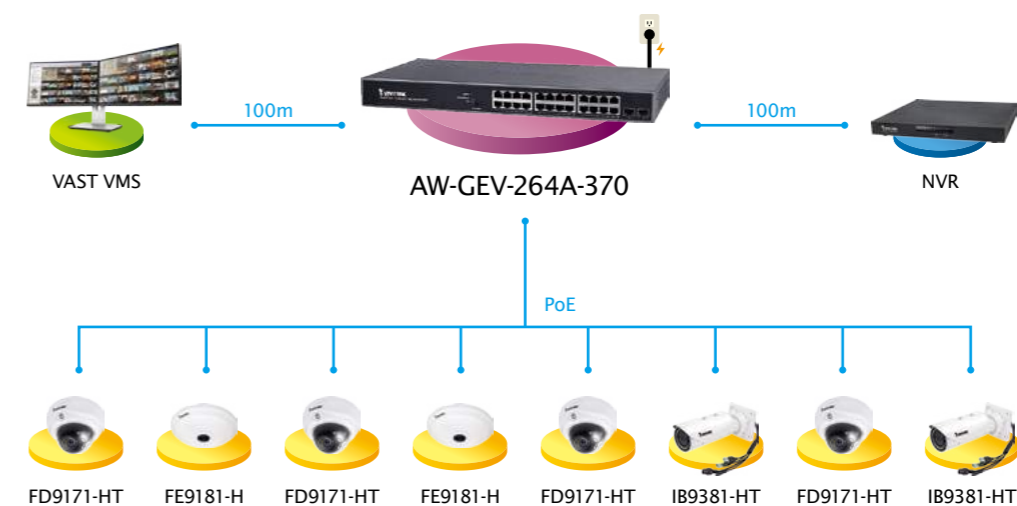


Managing IP Surveillance

- The Root VivoCam Will Auto-Sync With All Sub VivoCam Switches
- Auto Discovery and Classification of VIVOTEK Devices
- Auto Generated Topology View can monitor and configure all devices, VLAN and PoE On/Off
- Batch Camera/Video Server Firmware Upgrade, Config-File and Login Password Configuration
- Display IP Camera Live Stream in Topology View, Floor View and Google Map View
- Supports Surveillance QoS & MAC-Lock by single button

Managed L2 PoE Switch

- Supports L2 Plus Management and IPv4 static route
- Supports DHCP Server & Client
- Supports IPv4 and IPv6 protocol
- Supports Loop Detection for Maintenance
- Supports 802.1d (STP), 802.1w (RSTP) and 802.1s (MSTP)
- Supports SNMP v1/v2c/v3 for Management
- Supports Ethernet Cable Length measurement
- Dual firmware design, easy to upgrade or select firmware version
- Supports IEEE 802.3at PoE standard, up to 30W PoE per port



Cabinet Solution

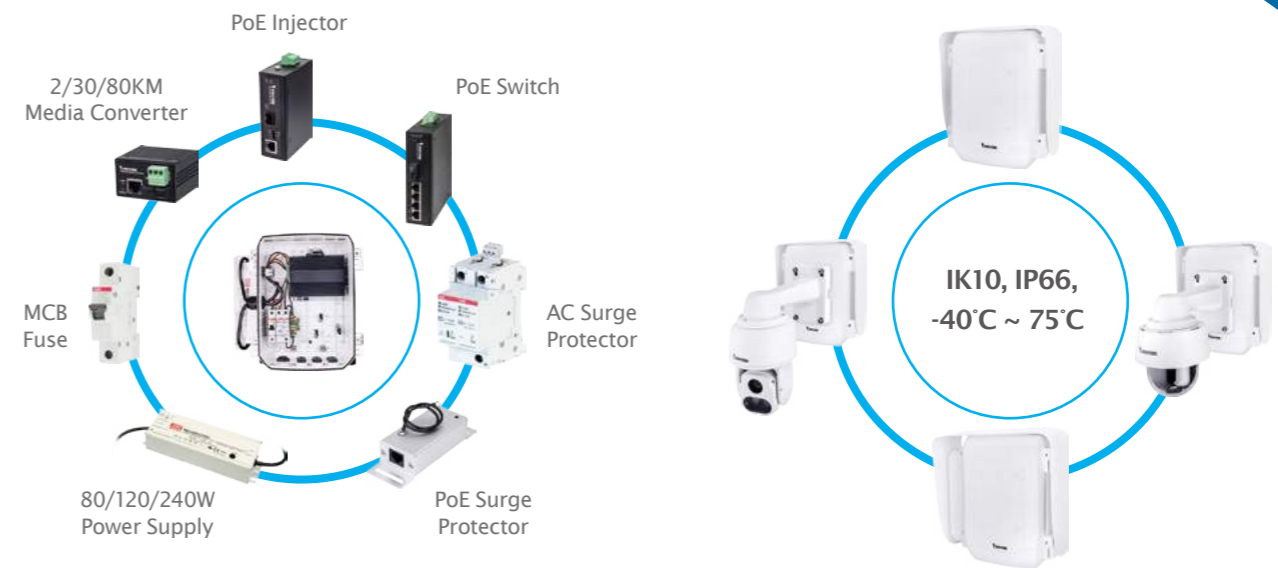
VIVOTEK AT-CAB Cabinet Series Complete Surveillance-Cabinet Solutions for Harsh Environments

VIVOTEK AT-CAB Cabinet series is a complete and outdoor-ready surveillance cabinet solution, purpose-built for VIVOTEK network cameras. By directly mounting network cameras on the door of the cabinet, which comes prepared with drill holes and various mounting plates, VIVOTEK's AT-CAB Cabinet series is perfectly matched with VIVOTEK's speed dome, providing easier installation no matter what the application is.

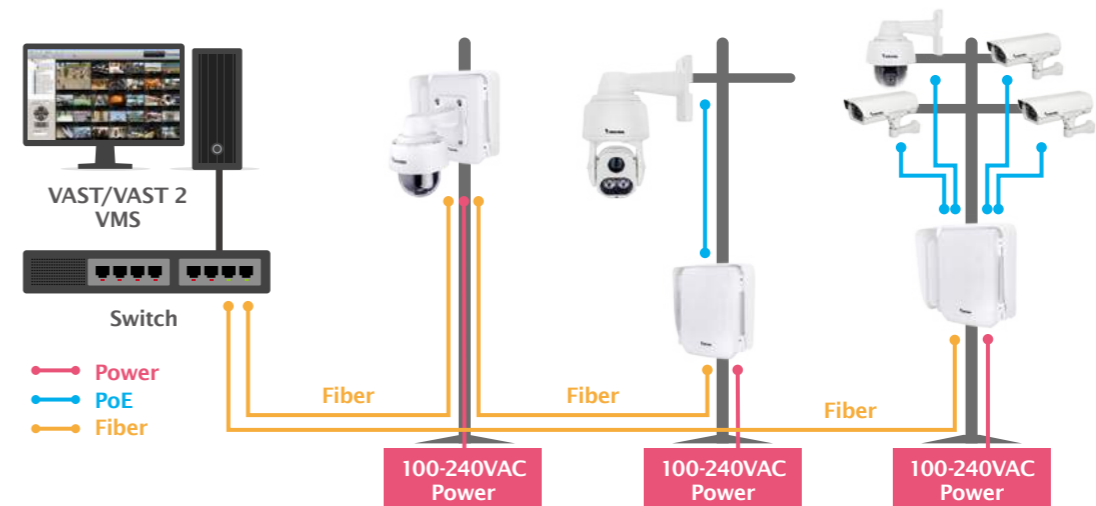
To cover a wide range of surveillance projects, users can choose either cabinet only, or cabinet

with power supply, PoE devices, or surge protection kits, to make the surveillance cabinet solution as flexible and complete as required. Additionally, by equipping the AT-CAB Cabinet series with weather-proof IP66-rated, and vandal-proof IK10-rated housing, VIVOTEK ensures their ability to provide protection against critical environments and vandalism. This extra protection makes the series the ultimate choice for harsh outdoor environment applications, such as city surveillance.

Cabinet Installation



Multiple-Camera Application



VMS

VAST 2

VMS for Small-to-Medium Scale Operations

VIVOTEK VAST 2 is an easy to use IP video management software (VMS) designed for medium-scale deployments. It features exciting advancements such as easy operation on single or multiple monitors, customized layout to fit both corridor and panorama format, and rapid export of multi-channel video. VAST 2 also



supports automatic configuration wizards, which significantly reduce the time and cost of installing surveillance systems that involve many cameras. It also provides multi-layered, interactive maps and sophisticated alarm management. This array of features make VAST 2 perfect for shops, retails, banks, restaurants and more.

Auto Setup

Easy configuration through fully automated process.



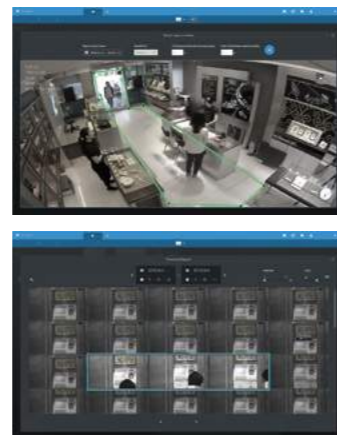
2.5D Visualization eMap

Instantly pinpoint a selected camera located on the map.



Smart Search

Efficiently scan and search suspicious video and specific events with thumbnail view.



VAST

Professional VMS/CMS for Large Scale Operations

VIVOTEK VAST is a professional video/central management software (VMS/CMS) designed for large-scale deployments. It supports hundreds of cameras and stations in a hierarchical system structure enabling monitoring, recording, playback, event and alarm management. With VAST Matrix, users can easily achieve a



video-wall application. VAST harnesses the power of VIVOTEK IP cameras to provide diverse solutions with functions such as Seamless Recording, Panoramic PTZ and VCA metadata Integration, making VAST ideal for retail, residential and industrial use.

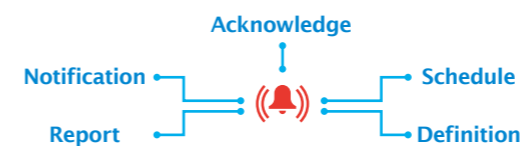
Failover Redundancy

Ensures the recording of video streaming into the system and guarantees that important information is always available.



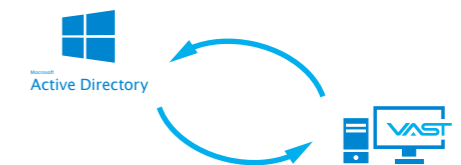
Intelligent Alarm Management

Easy configuration of alarm system; intuitive checking of historical alarms by report.



AD Integration

Integrate Windows active directory and surveillance systems to save time when configuring settings for each surveillance system.



Video Content Analysis

Business Intelligence (On-Camera)

Stereo Count • 2D Count • Zone Count • Heat Map • Path Analytics

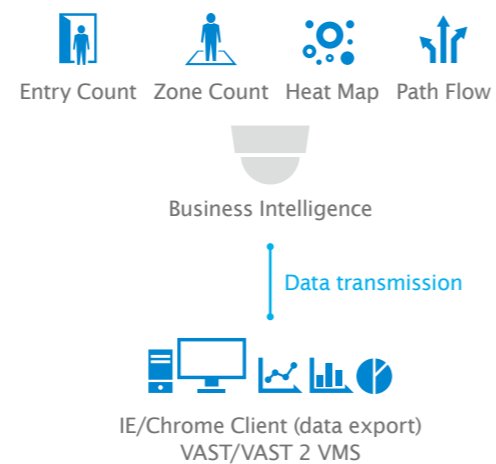
VIVOTEK's Business Intelligence is an embedded application package for VIVOTEK network cameras. The intelligent video application package follows the debut of VIVOTEK's Application Development Platform (VADP), an open platform which enables third party partners to upload applications with analytic features to the camera, providing additional added-value and flexibility to meet the diverse needs of retailers and other businesses.

Features

- Video Surveillance and Business Intelligence on One Single VIVOTEK IP Camera
- High Level of Accuracy
- Real-Time Analytics
- Stackable Analytic Modules
- Detailed, Built-in Time-based Reports
- Export Statistical Data
- Easy Configuration
- Embedded Application on Camera

These intelligent components are ideal tools for users who require advanced analytics and offer deeper insight into the behavior of potential customers both inside and outside the store. Effectively helps business owners to schedule staff deployment, evaluate third-party promotion performance, and refine the arrangement of store merchandise.

System Architecture



Cloud Service

EZConnect

EZConnect provides cloud service for easy and smart 24/7 surveillance on-the-go. Users can access VIVOTEK's IP Cameras and NVR streams, receive alarm notification, and share any device with up to 4 different accounts. Further, users can also monitor from a cross-platform web portal at <https://ezconnect.vivotek.com>, making surveillance simple, flexible, and powerful.



Application Software

Shepherd

Shepherd, embedded with device management functions, can easily set up multiple cameras at once. The software automatically brings up a list of all VIVOTEK devices that are connected on the network and user can manually group the cameras to apply pre-configured settings. The Shepherd supports various powerful functions, including group setting management, IP address assignment, remote reboot/restore, import/export camera settings, firmware and VADP package upgrade, exporting the server status report to track the issue. It greatly benefits system integrators and installers who often have projects that need to set up multiple cameras with the same settings at once.



iViewer

iViewer is a streaming mobile app with an easy to use interface which allows users to monitor live video from hundreds of cameras managed by a VAST, VIVOTEK NVR, or make direct connections to individual cameras. The iViewer also provides the power to add devices via IP address or IP finder, and allows for device management, two way audio, PTZ and preset control, digital zoom, fisheye dewarp, snapshot and the capability to playback recorded video from any VIVOTEK VAST, NVR, or directly play from camera's SD card with supported models.



IPVS Design Tool

VIVOTEK has integrated with JVSG (IP Video System Design Tool) to make the design of professional video surveillance systems quick and easy. With the IP Video System Design Tool, users can calculate the precise lens focal length and viewing angles of all cameras in seconds, and check the field of view of each camera. This allows discovery of any dead zones and increases the security of your premises through the use of 2D and 3D modeling. This smart tool can also obtain more accurate estimations of network bandwidth, storage and perform many other handy functions to enhance your surveillance system design.



Autodesk® Revit®

VIVOTEK IP Camera Families are now available in Building Information Modeling (BIM) software Autodesk Revit. Autodesk Revit is a single software application that supports a BIM workflow from concept to construction. Users of Autodesk Revit can now use interactive 3D CAD VIVOTEK camera models directly in their building plans and incorporate VIVOTEK surveillance into their designs. Everything from camera resolution to field of view to mounting options are addressed, ensuring full coverage is obtained through stunning 3D visualization.



VIVOTEK Solution Integration Alliance

The SIA (Solution Integration Alliance) Program is a strategic alliance that aims to facilitate the integration of VIVOTEK products into leading software or hardware platforms. With the SIA Program, partners have the flexibility to enhance key functionalities when creating an IP surveillance solution.

The SIA Program provides programmable Software Development Kits (SDK) to allow partners to develop customized features on an

open platform, allowing the highest possible level of integration. VIVOTEK also provides technical support throughout the development process.

Find out more about enrolling in the VIVOTEK SIA Program, please email sia@vivotek.com for more information.





www.vivotek.com



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