



# VIVOTEK PRODUCT BROCHURE

Network Cameras | Video Servers | Video Receiver | Network Video Recorder | Central Management Software

English / May ~ Aug. 2014



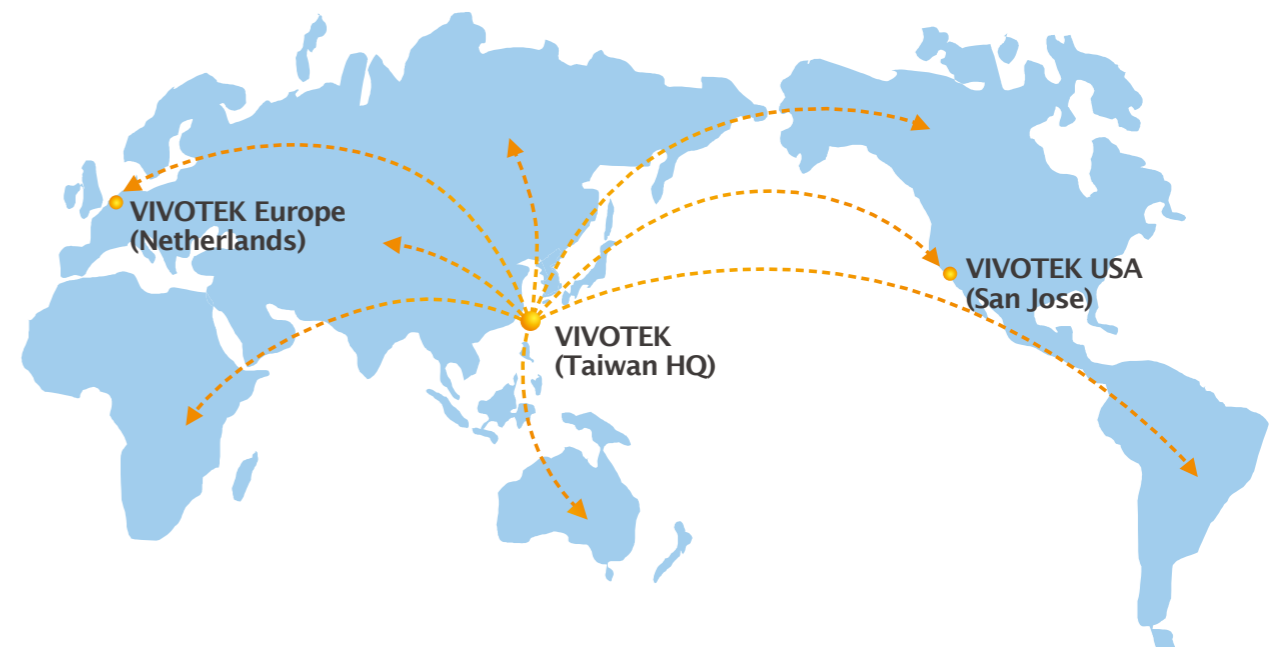


## About VIVOTEK

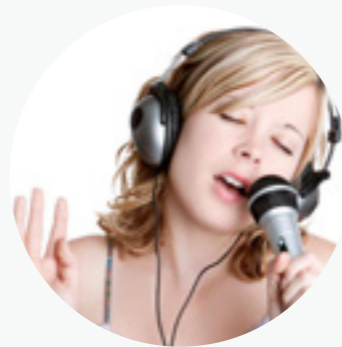
VIVOTEK INC. (TAIEX: 3454), established in Taiwan in 2000, has quickly grown into a prestigious leading brand in the security industry. Known for delivering world-class IP surveillance solutions, VIVOTEK's products are future-proof and highly reliable, facilitating the transition from traditional CCTV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

Through more than 150 authorized distributors in over 80 countries, a broad array of the products are successfully deployed by security dealers, telecoms and system integrators for a variety of applications and projects such as banking, city surveillance, hotel, transportation, retail, and more.

## Extensive Distribution Channels



## VIVOTEK at a Glance



## 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, component 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.

### VIVOTEK's quality certificates



ISO 14001  
Certification  
Since 2005



TL 9000  
Certification  
Since 2005



WEEE  
Since 2006



RoHS  
Since 2006



IECQ HSPM  
QC 080000  
Since 2008

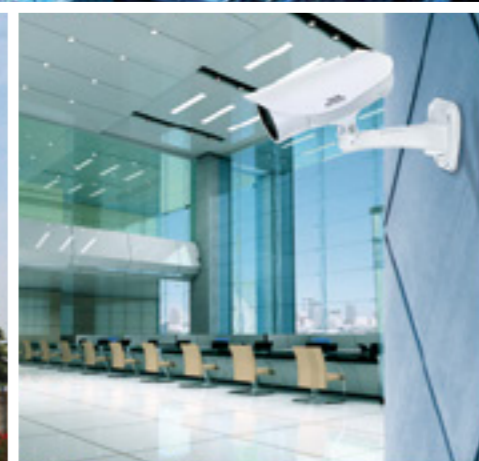
### VIVOTEK's green design guidelines








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












# Product Portfolio


















Form Factor	Box Cameras			Box Cameras		Mini-box Cameras	
Video Resolution	1.3 Megapixel		2 Megapixel	2 Megapixel	5 Megapixel	1.3 Megapixel	3 Megapixel
							
	<b>SUPREME</b>	<b>SNV</b> <b>WDR</b> <b>NEW</b>	<b>SUPREME</b>	<b>WDR</b> <b>NEW</b>			<b>WDR</b>
Model Name	IP8151/51P	IP8155HP	IP8162/62P	IP8165HP	IP8172/72P	IP8152/52-F4	IP8173H
Summary	1.3MP, 30fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, Remote Back Focus	2MP, 30fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist	2MP, 30fps, H.264/MJPEG, WDR Pro, Remote Back Focus	5MP, 10fps, H.264/MJPEG/MPEG-4, P-iris, Focus Assist	1.3MP, 30fps, H.264/MJPEG	3MP, 20fps, H.264/MJPEG/MPEG-4, WDR Pro
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.5" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Lens Type	Vari-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal	Vari-focal (IP8152) Fixed-focal (IP8152-F4)	Vari-focal
F-number	F1.2 ~ F2.1 (IP8151) F1.2 ~ F16 (IP8151P)	F1.2 ~ F1.95	F1.2 ~ F2.1 (IP8162) F1.2 ~ F16 (IP8162P)	F1.2 ~ F1.95	F1.2 ~ 2.5 (IP8172) F1.6 ~ 2.7 (IP8172P)	F1.4 ~ F2.4 (IP8152) F1.6 (IP8152-F4)	F1.2 ~ F1.95
Focal Length	f = 3.1 ~ 8 mm	f = 2.8 ~ 8 mm	f = 3.1 ~ 8 mm	f = 2.8 ~ 8 mm	f = 2.8 ~ 12 mm (IP8172) f = 3.5 ~ 10 mm (IP8172P)	f = 3.3 ~ 12 mm (IP8152) f = 4 mm (IP8152-F4)	f = 2.8 ~ 8 mm
Field of View	35° ~ 87° (H) 27° ~ 64° (V)	36° ~ 106° (H) 29° ~ 84° (V)	42° ~ 105° (H) 24° ~ 58° (V)	40° ~ 122° (H) 23° ~ 69° (V)	IP8172: 28° ~ 115° (H) IP8172P: 33° ~ 93° (H)	IP8152: 34° ~ 74° (H) IP8152-F4: 76° (H), 60° (V)	46° ~ 94° (H) 35° ~ 70° (V)
Auto-iris	DC-iris (IP8151) P-iris (IP8151P)	P-iris (DC-iris reserved)	DC-iris (IP8162) P-iris (IP8162P)	P-iris (DC-iris reserved)	DC-iris (IP8172) P-iris (IP8172P)	DC-iris (IP8152) Fixed-iris (IP8152-F4)	P-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	-	-	-	-	-	-	-
Min. Illumination	0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.03 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.2 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.17 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	IP8172: 0.13 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W) IP8172P: 0.22 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.4 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)	0.65 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Max. Video Resolution	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1920x1080 (2MP)	1920x1080 (2MP)	2560x1920 (5MP)	1280x1024 (1.3MP)	2048x1536 (3.1MP)
Frames per Second	30 fps @ 1280x1024	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1920x1080	30 fps @ 1920x1080 60 fps @ 1280x1024 (one-stream mode only)	30 fps @ 1920x1080 10 fps @ 2560x1920	30 fps @ 1280x1024	20 fps @ 2048x1536
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	4 Streams	2 Streams	4 Streams	2 Streams	3 Streams	2 Streams	3 Streams
WDR Technology*	WDR Enhanced	WDR Pro II	WDR Enhanced	WDR Pro	WDR Enhanced	-	WDR Pro
3DNR	-	Yes	-	Yes	-	-	-
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE	PoE
Power Consumption	Max. 3.6 W	DC Max. 8.3 W AC Max. 14.4 W PoE Max.10.1 W	Max. 4.92 W	Max. 8.3W (DC 12V) Max. 14.4W (AC 24V) Max.10.1W (PoE)	IP8172: Max. 4.9 W (DC 12V) Max. 7.0 W (AC 24V) Max. 6.8 W (PoE) IP8172P: Max. 5.2 W (DC 12V) Max. 7.0 W (AC 24V) Max 6.9 W (PoE)	Max. 3.4W	Max. 4.4W
Digital Input / Output	1/1	3/1	1/1	3/1	1/1	1/0	1/0
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	GSM-AMR, AAC, G.711	AAC, G.711, G.726	GSM-AMR, AAC, G.711	AAC, G.711, G.726	GSM-AMR, AAC, G.711	G.711	GSM-AMR, AAC, G.711
On-board Storage	SD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	-	-	-	-	-	-	-
Dimensions	154 mm (D) x 72 mm (W) x 62 mm (H)	210 mm (D) x 70 mm (W) x 63 mm (H)	154 mm (D) x 72 mm (W) x 62 mm (H) (Without lens)	210 mm (D) x 70 mm (W) x 63 mm (H)	218 mm (D) x 72 mm (W) x 62 mm (H)	88 mm (D) x 80 mm (W) x 70 mm (H) (IP8152) 52 mm (D) x 80 mm (W) x 70 mm (H) (IP8152-F4)	101mm (D) x 80mm (W) x 70mm (H)
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (-14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (-14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
Other Value-added Features	ePTZ, Adjustment Ring, Focus Assist (IP8151P)	Remote Back Focus SNV*	ePTZ, Focus Assist	Remote Back Focus	ePTZ, Focus Assist	Compact Size	Compact Size








\*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.

Form Factor	Bullet Cameras				Bullet Cameras		
Video Resolution	VGA	1 Megapixel		1 Megapixel	1.3 Megapixel		
							
			WDR	WDR	SNV WDR	SNV NEW	NEW
Model Name	IP8331	IP8332-C	IP8335H	IP8337H-C	IP8355H/55EH	IB8354-C	IB8156
Summary	VGA, 30fps, H.264/MJPEG/MPEG-4, IP66, PoE	1MP, 30fps, H.264/MJPEG/MPEG-4, Cable Management	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, P-iris	1MP, 30fps, H.264/MJPEG, WDR Pro, 3DNR	1.3MP, 30fps, H.264/MJPEG, WDR Pro II, SNV*	1.3MP, 30fps, H.264/MJPEG, SNV*	1.3MP, 30fps, H.264/MJPEG, Compact size
Sensor Type	1/4" Progressive CMOS	1/4" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Vari-focal	Fixed-focal	Vari-focal Remote Focus	Fixed-focal	Fixed-focal
F-number	F1.8	F1.8	F1.2 ~ F2.1	F1.6	F1.2 ~ F2.3	F1.6	F 1.8
Focal Length	f = 4.0 mm	f = 3.6 mm	f = 3 ~ 9 mm	f = 6.0 mm	f = 3 ~ 9 mm	f = 4.0 mm	f = 3.6 mm
Field of View	71° (H), 52° (V)	56° (H), 41° (V)	31° ~ 86° (H) 25° ~ 73° (V)	56° (H), 31° (V)	34° ~ 80° (H) 27° ~ 62° (V)	69° (H), 54° (V)	97° (H), 52° (V)
Auto-iris	-	-	P-iris	-	P-iris	-	-
Day/Night	Yes (Dual-band Lens)	Yes	Yes	Yes	Yes	Yes	-
IR Illuminators	10 m, IR LED*12	15 m, IR LED*12	20 m, IR LED*12	20 m, IR LED*12	30m	20 m, IR LED*12	-
Min. Illumination	0.36 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	1.08 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.29 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.04 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.08 Lux @ F1.6 (Color) 0.06 Lux @ F1.6 (B/W)	0.58 Lux @ F1.8 (30IRE)
Max. Video Resolution	640x480	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)
Frames per Second	30 fps @ 640x480	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x1024	30 fps @ 1280x1024	30 fps @ 1280x1024
Video Compression	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)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)
Multiple Streams	2 Streams	4 Streams	2 Streams	2 Streams	2 Streams	3 Streams	2 Streams
WDR Technology*	-	-	WDR Pro	WDR Pro	WDR Pro II	-	-
3DNR	-	-	-	Yes	Yes	Yes	-
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE	PoE DC 12V AC 24V	PoE	PoE
Power Consumption	Max. 4 W	Max. 4 W	Max. 6.6 W (DC 12V) Max. 8.6 W (AC 24V)	Max. 6.4 W (PoE)	DC: Max. 30 W (Heater on) 8W (Heater off) AC: Max. 30W (Heater on) 8.8W (Heater off)* PoE: Max. 11W	Max. 5.5 W	Max. 2.3 W
Digital Input / Output	1/0	1/0	3/1	1/0	1/1	1/0	-
Audio Capability	-	-	Two-way Audio	-	Two-way Audio	-	-
Audio Compression	-	-	GSM-AMR, AAC, G.711	-	AAC, G.711, G.726	-	-
On-board Storage	-	MicroSD/SDHC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	IP66	IP66	IP67	IP66	IP67	IP66	-
Dimensions	Ø: 60 mm x 150 mm	Ø: 60 mm x 294 mm	Ø: 70 mm x 186 mm	Ø: 60 mm x 294 mm	Ø: 85 mm x 219 mm	Ø: 60 mm x 294 mm	Ø: 32 mm x 117 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)	IP8355H: -20°C ~ 50°C (-4°F ~ 122°F) IP8355EH: -50°C ~ 50°C (-58°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)
Other Value-added Features	-	Cable Management	Cable Management, ePTZ	Cable Management, 3DNR	ePTZ, WDR ProII, SNV*	Cable Management, 3DNR, SNV*	Cable Management, Compact Size

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Form Factor	Bullet Cameras				Bullet Cameras		
Video Resolution	2 Megapixel		2 Megapixel		3 Megapixel		
							
			 				 
Model Name	IB8168	IP8364-C	IB8367/67-R	IP8362	IP8365H/65EH	IP8371/71E	IB8373H-E
Summary	2MP, 15fps, H.264/MJPEG, Compact size	2MP, 30fps, H.264/MJPEG, 3DNR, Cable Management	2MP, 30fps, H.264/MJPEG, 3DNR, Cable Management	2MP, 30fps, H.264/MJPEG/MPEG-4, IP67, WDR Enhanced	2MP, 30fps, H.264/MJPEG, WDR Pro, 3DNR	3MP, 30fps, H.264/MJPEG/MPEG-4, 1080p 60fps, -50°C~50°C	3MP, 20fps, H.264/MJPEG, WDR Pro, -50°C~50°C
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" progressive CMOS	1/3" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Vari-focal	Vari-focal	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F 1.8	F1.6	F1.4	F1.2 ~ F2.1	F1.2 ~ F2.3	F1.2 ~ F2.3	TBD
Focal Length	f = 3.6 mm	f = 6 mm	f = 2.8 ~ 12 mm	f = 3 ~ 9 mm	f = 3 ~ 9 mm	f = 3 ~ 9 mm	f = 2.8 ~ 10 mm
Field of View	97° (H), 52° (V)	59° (H), 32° (V)	TBD	38° ~ 104° (H) 22° ~ 71° (V)	39° ~ 89° (H) 22° ~ 49° (V)	36° ~ 82° (H) 27° ~ 62° (V)	TBD
Auto-iris	-	-	P-iris	DC-iris	P-iris	P-iris	P-iris
Day/Night	-	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	-	20 m, IR LED*12	TBD	20 m, IR LED*12	30m	30 m, IR LED*4	TBD
Min. Illumination	0.58 Lux @ F1.8	0.62 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	TBD	0.3 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.11 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	TBD
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)
Frames per Second	15 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 2048x1536 60 fps @ 1920x1080	20 fps @ 2048x1536 30 fps @ 1920x1080
Video Compression	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)
Multiple Streams	2 Streams	2 Streams	4 Streams	4 Streams	2 Streams	4 Streams	3 Streams
WDR Technology*	-	-	-	WDR Enhanced	WDR Pro	WDR Enhanced	WDR Pro
3DNR	-	Yes	Yes	-	Yes	Yes	Yes
Power Input	PoE	PoE	PoE PoE Repeater for PSE & PD (IB8367-R)	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V
Power Consumption	Max. 2.3 W	Max. 7 W	TBD	Max. 9.6 W	DC: Max.30W (Heater on) 8W (Heater off) AC: Max. 30W (Heater on) 8.8W (Heater off) PoE: Max. 11W	DC: Max.26W (Heater on) 7.5W (Heater off) AC: Max. 25W (Heater on) 7.7W (Heater off) PoE: Max. 11W	TBD
Digital Input / Output	-	1/0	1/1	1/1	1/1	1/1	1/1
Audio Capability	-	-	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	-	-	G.726, G.711	GSM-AMR, AAC, G.711	AAC, G.711, G.726	GSM-AMR, AAC, G.711, G.726	G.711, G.726
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	-	IP66	IP66	IP67	IP67	IP67	IP67
Dimensions	Ø: 32 mm x 117 mm	Ø: 60 mm x 294 mm	TBD	Ø: 70 mm x 186 mm	Ø: 85 mm x 219 mm	Ø: 85 mm x 221 mm	TBD
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)	IP8365H: -20°C ~ 50°C (-4°F ~ 122°F) IP8365EH: -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F)	IP8371: -20°C ~ 50°C (-4°F ~ 122°F) IP8371E: -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F)	-50°C ~ 50°C (-58°F ~ 122°F)
Other Value-added Features	Cable Management, Compact Size	Cable Management, 3DNR	Cable Management, 3DNR, Smart Stream, SNV* PoE Repeater for PSE & PD (IB8367-R)	Cable Management, ePTZ, Focus Assist	ePTZ, WDR Pro, 3DNR	SNV, Smart Stream, Smart IR, 3DNR	Smart Stream, Smart IR, 3DNR

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Form Factor	Bullet Cameras		Fixed Dome Cameras	Fixed Dome Cameras			
Video Resolution	5 Megapixel		1 Megapixel	1 Megapixel			
		 Coming Soon			 WDR		 WDR
Model Name	IP8372	IB8381/81-E	FD8136	FD8134/34V	FD8137H/37HV	FD8131/31V	FD8135H
Summary	5MP, 10fps, H.264/MJPEG/MPEG-4, Remote Focus, -30°C~50°C	5MP, 25fps, H.264/MJPEG, Remote Focus, -50°C~50°C	1MP, 30fps, H.264/MJPEG/MPEG-4, Selectable Lens, Compact Size	1MP, 30fps, H.264/MJPEG/MPEG-4, IP66, IK10, PoE	1MP, 30fps, H.264/MJPEG, WDR Pro, Selectable Lens	1MP, 30fps, H.264/MJPEG/MPEG-4, Vari-focal 3~12mm	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, PIR
Sensor Type	1/2.5" Progressive CMOS	1/3.2" Progressive CMOS	1/4" Progressive CMOS	1/4" Progressive CMOS	1/3" Progressive CMOS	1/4" Progressive CMOS	1/3" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Fixed-focal	Fixed-focal	Fixed-focal	Vari-focal	Vari-focal
F-number	F1.8 ~ F3.4	F1.2 ~ F2.3	F2.0 (FD8136-F2, FD8136-F3) F1.8 (FD8136-F6)	F1.8	F1.8 (FD8137H-F3) F1.6 (FD8137H-F6)	F1.4 ~ F2.0 (FD8131) F1.4 ~ F3.2 (FD8131V)	F1.2 ~ F2.1
Focal Length	f = 3.79 ~ 9 mm	f = 3 ~ 9 mm	f = 2.5 mm (FD8136-F2) f = 3.6 mm (FD8136-F3) f = 6 mm (FD8136-F6)	f = 3.6 mm	f = 3.6 mm (FD8137H-F3) f = 6.0 mm (FD8137H-F6)	f = 3 ~ 12 mm	f = 3 ~ 9 mm
Field of View	35° ~ 73° (H) 27° ~ 55° (V)	TBD	FD8136-F2: 90° (H), 62° (V) FD8136-F3: 61° (H), 38° (V) FD8136-F6: 36° (H), 23° (V)	56° (H), 41° (V)	FD8137H-F3: 86° (H), 51° (V) FD8137H-F6: 59° (H), 32° (V)	FD8131: 24° ~ 61° (H) FD8131V: 20° ~ 40° (H)	35° ~ 103° (H) 23° ~ 62° (V)
Auto-iris	DC-iris	P-iris	-	-	-	-	P-iris
Day/Night	Yes	Yes	-	Yes	Yes	-	Yes
IR Illuminators	30 m, IR LED*26	TBD	-	10 m, IR LED*8	15 m, IR LED*8	-	20 m, IR LED*18
Min. Illumination	0.28 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	TBD	1.15 Lux @ F1.8	1.08 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	0.5 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.38 Lux @ F1.4	0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)
Max. Video Resolution	2560x1920 (5MP)	2560x1920 (5MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)
Frames per Second	10 fps @ 2560x1920 30 fps @ 1920x1080	25 fps @ 2560x1920 30 fps @ 1920x1080	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	3 Streams	3 Streams	2 Streams	4 Streams	2 Streams	4 Streams	2 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	-	-	WDR Pro	-	WDR Pro
3DNR	-	Yes	-	-	Yes	-	-
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE	PoE DC 12V	PoE	PoE DC 12V	PoE AC 24V
Power Consumption	Max. 9.8 W (DC 12V) Max. 11.6 W (AC 24V) Max 11.8 W (PoE)	TBD	Max. 3.84 W	Max. 4.5 W	Max. 5.1W	Max. 3.84 W	Max. 8.0W
Digital Input / Output	2/1	1/1	1/0	1/0	1/0	1/0	3/1
Audio Capability	Two-way Audio	Two-way Audio	Built-in Microphone	-	Built-in Microphone	-	Two-way Audio
Audio Compression	GSM-AMR, AAC, G.711	G.711, G.726	GSM-AMR, G.711	-	G.711, G.726	-	GSM-AMR, AAC, G.711
On-board Storage	MicroSD/SDHC/SDXC Card Slot	SD/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	IP67	IP67	-	IP66, IK10 (FD8134V)	IP66, IK10 (FD8137HV)	IP66, IK10 (FD8131V)	-
Dimensions	Ø: 85 mm x 205 mm	Ø: 85 mm x 221 mm	Ø: 90 mm x 50 mm	Ø: 110 mm x 91 mm	Ø: 152 mm x 94 mm	Ø: 110 mm x 91 mm (FD8131) Ø: 133 mm x 91 mm (FD8131V)	Ø: 157 mm x 110 mm
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)	IP8381: -20°C ~ 50°C (-4°F ~ 122°F) IP8381-E: -50°C ~ 50°C (-58°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	0°C ~ 50°C (FD8137H) -20°C ~ 50°C (FD8137HV)	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)
Other Value-added Features	Cable Management, ePTZ	Smart Stream, Smart IR, 3DNR	ePTZ, Ultra-mini Size (Ø: 90 mm, H: 50 mm)	-	3DNR	ePTZ	PIR, 3-axis, ePTZ

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Form Factor	Fixed Dome Cameras				Fixed Dome Cameras		
Video Resolution	1 Megapixel	1.3 Megapixel		1.3 Megapixel		2 Megapixel	
							
	WDR	NEW		Coming Soon	SNV	SNV WDR	NEW
Model Name	FD8335H	FD8156	FD8151V	FD8152V	FD8154/54V	FD8355HV/55EHV	FD8168
Summary	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, IP66, IK10	1.3MP, 30fps, H.264/MJPEG, Compact Size	1.3MP, 30fps, H.264/MJPEG, IK10, Selectable Lens	1.3MP, 30fps, H.264/MJPEG, IK10, Selectable Lens	1.3MP, 30fps, H.264/MJPEG, 3DNR, Selectable Lens	1.3MP, 30fps, H.264/MJPEG, WDR Pro II	2MP, 15fps, H.264/MJPEG, Compact Size
Sensor Type	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.7" Progressive CMOS
Lens Type	Vari-focal	Fixed-focal	Fixed-focal	Fixed-focal	Fixed-focal	Vari-focal Remote Focus	Fixed-focal
F-number	F1.2 ~ F2.1	F 1.8	F2.0 (FD8151V-F2) F1.5 (FD8151V-F4)	F2.0 (FD8152V-F2) F1.6 (FD8152V-F4)	F2.0 (FD8154/54V-F2) F1.6 (FD8154/54V-F4)	F1.3 ~ F2.5	F 1.8
Focal Length	f = 3 ~ 9 mm	f = 3.6 mm	f = 2.5 mm (FD8151V-F2) f = 4.0 mm (FD8151V-F4)	f = 2.8 mm (FD8152V-F2) f = 4.2 mm (FD8152V-F4)	f = 2.8 mm (FD8154/54V-F2) f = 4 mm (FD8154/54V-F4)	f = 3 ~ 10 mm	f = 3.6 mm
Field of View	35° ~ 103° (H) 23° ~ 62° (V)	97° (H), 52° (V)	FD8151V-F2: 110° (H), 86° (V) FD8151V-F4: 64° (H), 53° (V)	FD8152V-F2: 101° (H), 80° (V) FD8152V-F4: 69° (H), 54° (V)	FD8154/54V-F2: 101° (H), 80° (V) FD8154/54V-F4: 69° (H), 54° (V)	30° ~ 95° (H) 24° ~ 75° (V)	97° (H), 52° (V)
Auto-iris	P-iris	-	-	-	-	P-iris	-
Day/Night	Yes	-	Yes	Yes	Yes	Yes	-
IR Illuminators	20 m, IR LED*18	-	5 m, IR LED*9	10 m, IR LED*9	20 m, IR LED*12	30 m	-
Min. Illumination	0.8 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.58 Lux @ F1.8	0.59 Lux @ F1.5 (Color) 0.001 Lux @ F1.5 (B/W)	TBD	0.08 Lux @ F1.6 (Color) 0.06 Lux @ F1.6 (B/W)	0.05 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.58 Lux @ F1.8
Max. Video Resolution	1280x800 (1MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1280x1024 (1.3MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1280x800	30 fps @ 1280x1024	30 fps @ 1280x1024	30 fps @ 1280x1024	30 fps @ 1280x1024	30 fps @ 1280x1024 60 fps @ 1280x1024 (one-stream mode only)	15 fps @ 1920x1080
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)	Dual-Codec (H.264/MJPEG)
Multiple Streams	2 Streams	2 Streams	2 Streams	3 Streams	3 Streams	2 Streams	3 Streams
WDR Technology*	WDR Pro	-	-	-	-	WDR Pro II	-
3DNR	-	-	-	-	Yes	Yes	-
Power Input	PoE AC 24V	PoE	PoE	PoE	PoE	PoE DC 12V AC 24V	PoE
Power Consumption	Max. 8 W	Max. 2.3 W	Max. 6.5 W	TBD	Max. 5.1 W	DC: Max. 25.2W(Heater on) 8W(Heater off) AC: Max. 30.3W(Heater on) 8.8W(Heater off) PoE: Max. 10.6W	Max. 2.3 W
Digital Input / Output	3/1	-	1/0	1/0	1/0	1/1	-
Audio Capability	Two-way Audio	-	Built-in Microphone	Built-in Microphone	Built-in Microphone	Two-way Audio	-
Audio Compression	GSM-AMR, AAC, G.711	-	G.711	G.711	G.711	AAC, G.711, G.726	-
On-board Storage	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot
Housing	IP66, IK10	-	IK10	IK10	IP66, IK10 (FD8154V)	IP66, IK10	-
Dimensions	Ø: 173 mm x 115 mm	Ø: 62 mm x 50 mm	Ø: 100 mm x 55 mm	Ø: 100 mm x 55 mm	Ø: 127 mm x 91 mm (FD8154) Ø: 152 mm x 94 mm (FD8154V)	Ø: 173mm x 115 mm	Ø: 62 mm x 50 mm
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 40°C (-4°F ~ 104°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)	FD8355HV: -20°C ~ 50°C (-4°F ~ 122°F) FD8355EHV: -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 40°C (-4°F ~ 104°F)
Other Value-added Features	3-axis, ePTZ	Compact Size	ePTZ, Ultra-mini Size (Ø: 100 mm, H: 55 mm)	ePTZ, Ultra-mini Size (Ø: 100 mm, H: 55 mm)	3DNR, SNV*	WDR Pro II, 3-axis, SNV*	Compact Size








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Form Factor	Fixed Dome Cameras				Fixed Dome Cameras			
Video Resolution	2 Megapixel				2 Megapixel			
								
								
Model Name	FD8166	FD8164/64V	FD8365HV/65EHV	FD8167	FD8367V	FD8362E	FD8163	
Summary	2MP, 15fps, H.264/MJPEG, Selectable Lens, Compact Size	2MP, 30fps, H.264/MJPEG, IP66, IK10, Selectable Lens	2MP, 30fps, H.264/MJPEG, WDR Pro, IP66, IK10	2MP, 30fps, H.264/MJPEG, 3DNR, PIR	2MP, 30fps, H.264/MJPEG, 3DNR	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Enhanced, IK10, -40°C~55°C	2MP, 30fps, H.264/MJPEG/MPEG-4, Indoor, 15m IR	
Sensor Type	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.7" Progressive CMOS	1/2.7" Progressive CMOS	
Lens Type	Fixed-focal	Fixed-focal	Vari-focal Remote Focus	Vari-focal	Vari-focal	Vari-focal Remote Focus	Vari-focal Remote Focus	
F-number	F2.0 (FD8166-F2) F1.8 (FD8166-F3) F1.6 (FD8166-F6)	F2.0 (FD8164/64V-F2) F1.8 (FD8164/64V-F3)	F1.3 ~ F2.5	F1.4	F1.4	F1.2 ~ F2.1	F1.2 ~ F2.1	
Focal Length	f = 2.8 mm (FD8166-F2) f = 3.6 mm (FD8166-F3) f = 6 mm (FD8166-F6)	f = 2.8 mm (FD8164/64V-F2) f = 3.6 mm (FD8164/64V-F3)	f = 3 ~ 10 mm	f=2.8~12mm	f=2.8~12mm	f = 3 ~ 9 mm	f = 3 ~ 9 mm	
Field of View	FD8166-F2: 121° (H), 68° (V) FD8166-F3: 98° (H), 50° (V) FD8166-F6: 56° (H), 31° (V)	FD8164/64V-F2: 120° (H), 68° (V) FD8164/64V-F3: 95° (H), 51° (V)	33° ~ 104° (H) 19° ~ 56° (V)	TBD	TBD	32° ~ 93° (H) 24° ~ 68° (V)	38° ~ 104° (H) 22° ~ 71° (V)	
Auto-iris	-	-	P-iris	P-iris	P-iris	DC-iris	DC-iris	
Day/Night	-	Yes	Yes	Yes	Yes	Yes	Yes	
IR Illuminators	-	15 m, IR LED*8	20 m	TBD	TBD	-	15 m, LED*8	
Min. Illumination	0.9 Lux @ F2.0	1.19 Lux @ F2.0 (Color) 0.001 Lux @ F2.0 (B/W)	0.16 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	TBD	TBD	0.3 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.3 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	
Max. Video Resolution	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	1920x1080 (2MP)	
Frames per Second	15 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 1920x1080 60 fps @ 1920x1080 (one-stream mode only)	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)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	
Multiple Streams	2 Streams	2 Streams	2 Streams	4 Streams	4 Streams	4 Streams	4 Streams	
WDR Technology*	-	-	WDR Pro	-	-	WDR Enhanced	WDR Enhanced	
3DNR	-	Yes	Yes	Yes	Yes	-	-	
Power Input	PoE	PoE	PoE DC 12V AC 24V	PoE	PoE	PoE DC 12V AC 24V	PoE DC 12V AC 24V	
Power Consumption	Max. 2.9W	Max. 5.1 W	DC Max. 25.2W (Heater on) 8W (Heater off) AC Max. 30.3W (Heater on) 8.8W (Heater off) PoE Max. 10.6W	TBD	TBD	DC 12V: 13.7W PoE: 11.52 W AC 24V: 21.4W	DC 12V: 6.9W PoE: 9.3W AC 24V: 8.5W	
Digital Input / Output	1/0	1/0	1/1	1/1	1/1	1/1	1/1	
Audio Capability	Built-in Microphone	Built-in Microphone	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	
Audio Compression	G.711	G.711	AAC, G.711, G.726	G.726, G.711	G.726, G.711	GSM-AMR, AAC, G.711	GSM-AMR, AAC, G.711	
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	MicroSD/SDHC/SDXC Card Slot	
Housing	-	IP66, IK10 (FD8164V)	IP66, IK10	-	IP66	IP66, IK10	-	
Dimensions	Ø: 90 mm x 50 mm	Ø: 127 mm x 91 mm (FD8164) Ø: 152 mm x 94 mm (FD8164V)	Ø: 173mm x 115mm	TBD	TBD	Ø: 173 mm x 115 mm	Ø: 157 mm x 110 mm	
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (FD8164) -20°C ~ 50°C (FD8164V)	FD8365HV: -20°C ~ 50°C (-4°F ~ 122°F) FD8365EHV: -50°C ~ 50°C (-58°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)	-40°C ~ 55°C (-40°F ~ 131°F)	0°C ~ 50°C (32°F ~ 122°F)	
Other Value-added Features	ePTZ, Ultra-mini Size (Ø: 90 mm, H: 50 mm)	3DNR	3-axis, 3DNR	3DNR, Smart Stream, PIR, SNV*	3DNR, Smart Stream, SNV*	ePTZ, Smart Focus	Smart Focus, Smart IR, PIR	








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Form Factor	Fixed Dome Cameras				Fixed Dome Cameras		
Video Resolution	2 Megapixel	3 Megapixel		3 Megapixel	5 Megapixel		
							
Model Name	FD8363	FD8171	FD8371V/71EV	FD8173H	FD8373HV-E	FD8372	FD8181
Summary	2MP, 30fps, H.264/MJPEG/MPEG-4, IP66, IK10, 15m IR	3MP, 30fps, H.264/MJPEG/MPEG-4, 1080p 60fps, Indoor, 20m IR	3MP, 30fps, H.264/MJPEG/MPEG-4, 1080p 60fps, IK10	3MP, 20fps, H.264/MJPEG, WDR Pro	3MP, 20fps, H.264/MJPEG, WDR Pro, -50~50°C	5MP, 10fps, H.264/MJPEG/MPEG-4, WDR Enhanced, IP66, IK10	5MP, 25fps, H.264/MJPEG, Remote Focus, PIR
Sensor Type	1/2.7" Progressive CMOS	1/2.8" progressive CMOS	1/2.8" progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.5" Progressive CMOS	1/3.2" Progressive CMOS
Lens Type	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus	Vari-focal Remote Focus
F-number	F1.2 ~ F2.1	F1.3 ~ F2.5	F1.3 ~ F2.5	TBD	TBD	F1.8 ~ F3.4	F1.2 ~ F2.5
Focal Length	f = 3 ~ 9 mm	f = 3 ~ 10 mm	f = 3 ~ 10 mm	f = 2.8 ~ 10 mm	f = 2.8 ~ 10 mm	f = 3.6 ~ 9 mm	f = 3 ~ 10 mm
Field of View	38° ~ 104° (H) 22° ~ 71° (V)	32° ~ 99° (H) 24° ~ 72° (V)	32° ~ 99° (H) 24° ~ 72° (V)	TBD	TBD	35° ~ 89° (H) 27° ~ 67° (V)	TBD
Auto-iris	DC-iris	P-iris	P-iris	P-iris	P-iris	DC-iris	P-iris
Day/Night	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Illuminators	15 m, LED*8	20 m	20 m, IR LED*4	TBD	TBD	20 m, IR LED*15	TBD
Min. Illumination	0.3 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	0.1 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	0.1 Lux @ F1.3 (Color) 0.001 Lux @ F1.3 (B/W)	TBD	TBD	0.28 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)	TBD
Max. Video Resolution	1920x1080 (2MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)	2048x1536 (3.1MP)	2560x1920 (5MP)	2560x1920 (5MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 2048x1536 60 fps @ 1920x1080	30 fps @ 2048x1536 60 fps @ 1920x1080	20 fps @ 2048x1536 30 fps @ 1920x1080	20 fps @ 2048x1536 30 fps @ 1920x1080	10 fps @ 2560x1920 30 fps @ 1920x1080	25 fps @ 2560x1920 30 fps @ 1920x1080
Video Compression	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)	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)
Multiple Streams	4 Streams	4 Streams	4 Streams	3 Streams	3 Streams	3 Streams	3 Streams
WDR Technology*	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Pro	WDR Enhanced	WDR Enhanced
3DNR	-	Yes	Yes	Yes	Yes	-	Yes
Power Input	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V	PoE DC 12V AC 24V
Power Consumption	DC 12V: 6.9W PoE: 9.3W AC 24V: 8.5W	Max. 10.92W (DC 12V) Max. 12.25W (AC 24V) Max. 12.95W (PoE)	FD8371V: Max. 28W (DC 12V) Max. 34W (AC 24V) Max. 12.95W (PoE) FD8371EV: Max. 10.92W (DC 12V) Max. 12.25W (AC 24V) Max. 12.95W (PoE)	TBD	TBD	Max. 7.2 W (AC 24V) Max. 7.53 W (PoE)	TBD
Digital Input / Output	1/1	1/1	1/1	1/1	1/1	3/1	1/1
Audio Capability	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	GSM-AMR, AAC, G.711	AAC, G.711, G.726	GSM-AMR, AAC, G.711, G.726	G.711, G.726	G.711, G.726	GSM-AMR, AAC, G.711	G.711, G.726
On-board Storage	MicroSD/SDHC/SDXC Card Slot	MicroSD/SDHC/SDXC Card Slot	MicroSD/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	-	IP66, IK10	-	IP66, IK10	IP66, IK10	-
Dimensions	Ø: 173 mm x 115 mm	Ø: 157 mm x 109 mm	Ø: 173 mm x 115 mm	TBD	TBD	Ø: 173 mm x 115 mm	Ø: 173 mm x 115 mm
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	FD8371V: -20°C ~ 50°C (-4°F ~ 122°F) FD8371EV: -50°C ~ 50°C (-58°F ~ 122°F) PoE: -20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-50°C ~ 50°C (-58°F ~ 122°F)	-30°C ~ 50°C (-22°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)
Other Value-added Features	Smart Focus, Smart IR	Video Rotation, Smart IR, Smart Stream, 3DNR, PIR, 3-axis, SNV*	Smart IR, Smart Stream, 3DNR, SNV*	Smart Stream, Smart IR, 3DNR, PIR	Smart Stream, Smart IR, 3DNR	3-axis, ePTZ	Smart Stream, Smart IR, 3DNR, PIR

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Form Factor	Fixed Dome Cameras	Panoramic Fisheye Cameras			Panoramic Fisheye Cameras			Mobile Dome Cameras
Video Resolution	5 Megapixel	1 Megapixel	3 Megapixel	5 Megapixel				1.2 Megapixel
	 Coming Soon		 SUPREME	 SUPREME	 SUPREME	 Coming Soon	 SUPREME	WDR NEW
Model Name	FD8381V/81V-E	CC8130	FE8173	FE8174/74V	SF8174/74V	FE8181/81V	MD8531H	
Summary	5MP, 25fps, H.264/MJPEG, Remote Focus, -50°C~50°C	1MP, 30fps, H.264/MJPEG, 180° Panoramic View	3MP, 15fps, H.264/MJPEG/MPEG-4, Fisheye Surround View	5MP, 30 fps, H.264/MJPEG/MPEG-4, Fisheye Surround View, EN50155	5MP, 15fps, H.264/MJPEG/MPEG-4, Fisheye Surround View	5MP, 30 fps, H.264/MJPEG/MPEG-4, Fisheye Surround View, IR	1.2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro 120dB, EN50155	
Sensor Type	1/3.2" Progressive CMOS	1/4" Progressive CMOS	1/2.5" Progressive CMOS in 2560x1920	1/2.5" Progressive CMOS in 2560x1920	1/2.5" Progressive CMOS in 2560x1920	1/2.5" Progressive CMOS in 2560x1920	1/3" Progressive CMOS	
Lens Type	Vari-focal Remote Focus	Fixed-focal	Fixed	Fixed	Fixed	Fixed	Fixed	
F-number	F1.2 ~ F2.5	F1.8	F2.0	F2.8	F2.8	F2.8	F1.8	
Focal Length	f = 3 ~ 10 mm	f = 1.3 mm	f = 1.19 mm	f = 1.5 mm	f = 1.5 mm	f = 1.5 mm	f = 3.6 mm (MD8531H-F3) f = 4.2 mm (MD8531H-F4)	
Field of View	TBD	180° (H), 100° (V)	180° (H), 180° (V)	180° (H), 180° (V)	180° (H), 180° (V)	180° (H), 180° (V)	MD8531H-F3: 80° (H), 57° (V) MD8531H-F4: 68° (H), 50° (V)	
Auto-iris	P-iris	-	-	-	-	-	-	
Day/Night	Yes	-	Yes	Yes	Yes	Yes	-	
IR Illuminators	TBD	-	-	-	-	10 m, IR LED*6	-	
Min. Illumination	TBD	1.69 Lux @ F1.8	0.7 Lux @ F2.0 (Color) 0.001 Lux @ F2.0 (B/W)	0.3 Lux @ F2.8 (Color) 0.001 Lux @ F2.8 (B/W)	0.3 Lux @ F2.8 (Color) 0.001 Lux @ F2.8 (B/W)	TBD	0.4 Lux @ F1.8	
Max. Video Resolution	2560x1920 (5MP)	1280x800	1536x1536	1920x1920	1920x1920	1920x1920	1280x960 (1.2MP)	
Frames per Second	25 fps @ 2560x1920 30 fps @ 1920x1080	30 fps @ 1280x800	15 fps @ 1536x1536	15 fps @ 1920x1920 30 fps @ 1920x1080	15 fps @ 1920x1920 30 fps @ 1920x1080	15 fps @ 1920x1920 30 fps @ 1920x1080	30 fps @ 1280x960	
Video Compression	Dual-Codec (H.264/MJPEG)	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)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	
Multiple Streams	3 Streams	2 Streams	3 streams	3 Streams	3 Streams	3 Streams	4 Streams	
WDR Technology*	WDR Enhanced	-	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Enhanced	WDR Pro	
3DNR	Yes	-	-	-	-	Yes	Yes	
Power Input	PoE DC 12V AC 24V	PoE	PoE DC 12V	PoE DC 12V	PoE DC 12V	PoE DC 12V	PoE	
Power Consumption	TBD	Max. 3.8W	Max. 5.1 W (DC 12V) Max. 5.3 W (PoE)	Max. 5.1 W (DC 12V) Max 5.3 W (PoE)	Max. 5.1 W (DC 12V) Max 5.3 W (PoE)	TBD	Max. 3.8W (PoE)	
Digital Input / Output	1/1	-	1/1	1/1	1/1	1/1	1/1	
Audio Capability	Two-way Audio	Built-in Microphone	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	Two-way Audio	
Audio Compression	G.711, G.726	G.711	GSM-AMR, AAC, G.711	AAC, G.711, G.726	AAC, G.711, G.726	AAC, G.711, G.726	G.711, G.726	
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	
Housing	IP66, IK10	-	-	IP66, IK10 (FE8174V)	IP66, IK10 (SF8174V)	IP66, IK10 (FE8174V)	IP66, IK10	
Dimensions	Ø: 173 mm x 115 mm	28 mm (D) x 50 mm (W) x 88 mm (H) (Body only) 35 mm (D) x 53 mm(W) x 118 mm (H) (With stand)	Ø: 139 mm x 43 mm	Ø: 145 mm x 52 mm (FE8174V) Ø: 139 mm x 37 mm (FE8174)	Ø: 145 mm x 47 mm (SF8174V) Ø: 139 mm x 34 mm (SF8174)	TBD	129 mm (D) x 107 mm (W) x 54 mm (H)	
Operating Temperature	FD8381: -20°C ~ 50°C (-4°F ~ 122°F) FD8381-E: -50°C ~ 50°C (-58°F ~ 122°F)	0°C ~ 40°C (32°F ~ 104°F)	-25°C ~ 50°C (-13°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)	-25°C ~ 55°C (-13°F ~ 131°F)	
Other Value-added Features	Smart Stream, Smart IR, 3DNR	Compact Size, 180° Panoramic View Tilt Mount/Flat Mount Available	ePTZ, 180° Panoramic View and 360° Surround View, Pixel Calculator	EN50155 (FE8174V), ePTZ, 180° Panoramic View and 360° Surround View, Pixel Calculator Local dewarping	ePTZ, 180° Panoramic View and 360° Surround View, Pixel Calculator Panoramic PTZ	ePTZ, 180° Panoramic View and 360° Surround View, Pixel Calculator Local dewarping	EN50155, ePTZ, Video Rotation	

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Form Factor	Mobile Dome Cameras	PTZ Dome Cameras			PTZ Dome Cameras		
Video Resolution	2 Megapixel	D1			1 Megapixel		2 Megapixel
							
	<b>SUPREME</b>	<b>SUPREME</b>	<b>WDR SUPREME</b>	<b>WDR SUPREME</b>	<b>SUPREME</b>	<b>WDR SUPREME</b>	<b>WDR SUPREME</b>
					<b>Coming Soon</b>		<b>NEW</b>
Model Name	MD8562/62D	SD8314E/24E	SD8316E/26E	PD8136	SD8333E	SD8363E	SD8364E
Summary	2MP, 30fps, H.264/MJPEG/MPEG-4, IP67, IK10, EN50155	D1, 25/30fps, H.264/MJPEG/MPEG-4, WDR Pro, 18x, IP66, NEMA 4X	D1, 25/30fps, H.264/MJPEG/MPEG-4, WDR Pro, 36x, IP66, NEMA 4X	1MP, 30fps, H.264/MJPEG/MPEG-4, 360° Pan & 80° Tilt	1MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 30x, IP66, NEMA 4X	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 20x, IP66, NEMA 4X	2MP, 30fps, H.264/MJPEG/MPEG-4, WDR Pro, 30x, IP66, NEMA 4X
Sensor Type	1/2.7" Progressive CMOS	1/4" Progressive CCD	1/4" Progressive CCD	1/4" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Lens Type	Fixed	18x Optical Zoom Auto Focus	36x Optical Zoom Auto Focus	Fixed-focal	30x Optical Zoom Auto Focus	20x Optical Zoom Auto Focus	30x Optical Zoom Auto Focus
F-number	F2.0	F1.4 ~ F3.0	F1.6 ~ F4.5	F1.8	F1.6 ~ F4.7	F1.6 ~ F3.5	F1.6 ~ F4.7
Focal Length	f = 2.8 mm	f = 4.1 ~ 73.8 mm	f = 3.4 ~ 122.4 mm	f = 3.6 mm	f = 4.3~ 129 mm	f = 4.7~ 94 mm	f = 4.3~ 129 mm
Field of View	110° (H), 82° (V)	3° ~ 48° (H) 2° ~ 37° (V)	2° ~ 58° (H) 1° ~ 44° (V)	56° (H), 41° (V)	TBD	3° ~ 55° (H) 2° ~ 32° (V)	23° ~ 64° (H) 13° ~ 36° (V)
Auto-iris	-	DC-iris	DC-iris	-	DC-iris	DC-iris	DC-iris
Day/Night	-	Yes	Yes	-	Yes	Yes	Yes
IR Illuminators	-	-	-	-	-	-	-
Min. Illumination	0.7 Lux @ F2.0	0.62 Lux @ F1.4 (Color) 0.001 Lux @ F1.4 (B/W)	0.62 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	1.69 Lux @ F1.8	TBD	1.8 Lux @ F1.6 (Color) 0.001 Lux @ F1.6 (B/W)	0.5 Lux @ F1.6 (Color) 0.03 Lux @ F1.6 (B/W)
Max. Video Resolution	1920x1080 (2MP)	720x480/NTSC (SD8314E) 720x576/PAL (SD8324E)	720x480/NTSC (SD8316E) 720x576/PAL (SD8326E)	1280x800 (1MP)	1280x720 (1MP)	1920x1080 (2MP)	1920x1080 (2MP)
Frames per Second	30 fps @ 1920x1080	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 1280x800	30 fps @ 1280x720	60 fps @ 1280x720 30 fps @ 1920x1080	60 fps @ 1280x720 30 fps @ 1920x1080
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	4 Streams	4 Streams	4 Streams	2 Streams	4 Streams	4 Streams	4 Streams
WDR Technology*	WDR Enhanced	WDR Pro	WDR Pro	-	WDR Pro	WDR Pro	WDR Pro
3DNR	-	-	-	-	-	-	-
Power Input	PoE (MD8562) DC 12V (MD8562D)	PoE Plus High Power PoE AC 24V	PoE Plus High Power PoE AC 24V	PoE	PoE Plus High Power PoE AC 24V	PoE Plus High Power PoE AC 24V	PoE Plus High Power PoE AC 24V
Power Consumption	Max. 4.3 W Max. 7.5 W (with heater)	PoE Plus: Max. 19W AC 24V: Max. 48W (heater on) Max. 19W (heater off) High Power PoE: Max. 48W (heater on) Max. 19W (heater off)	PoE Plus: Max. 19W AC 24V: Max. 48W (heater on) Max. 19W (heater off) High Power PoE: Max. 48W (heater on) Max. 19W (heater off)	Max. 6.24 W	TBD	PoE plus: Max. 19W AC 24V: Max. 48W (heater on) Max. 19W (heater off) High Power PoE: Max. 48W (heater on) Max. 19W (heater off)	PoE plus: Max. 19W AC 24V: Max. 48W (heater on) Max. 19W (heater off) High Power PoE: Max. 48W (heater on) Max. 19W (heater off)
Digital Input / Output	1/0	4/2	4/2	-	4/2	4/2	4/2
Audio Capability	Audio In	Two-way Audio	Two-way Audio	Built-in Microphone	Two-way Audio	Two-way Audio	Two-way Audio
Audio Compression	GSM-AMR, AAC, G.711	GSM-AMR, AAC, G.711, G.726	GSM-AMR, AAC, G.711, G.726	G.711	AAC, G.711, G.726	GSM-AMR, AAC, G.711	AAC, G.711, G.726
On-board Storage	MicroSD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	MicroSD/SDHC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot	SD/SDHC/SDXC Card Slot
Housing	IP67, IK10	IP66, NEMA 4X, IK08 (With AC-111)	IP66, NEMA 4X, IK08 (With AC-111)	-	IP66, NEMA 4X	IP66, NEMA 4X	IP66, NEMA 4X
Dimensions	130 mm (D) x 107 mm (W) x 47 mm (H)	Ø: 205 mm x 321 mm	Ø: 205 mm x 321 mm	Ø: 120 mm x 55mm	Ø: 205 mm x 321 mm	Ø: 205 mm x 321 mm	Ø: 205 mm x 321 mm
Operating Temperature	-25°C ~ 55°C (-13°F ~ 131°F)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	0°C ~ 45°C (32°F ~ 113°F)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)	-40°C ~ 55°C (AC 24V) -5°C ~ 55°C (PoE Plus)
Other Value-added Features	EN50155, ePTZ	Audio Detection, Auto Tracking	Audio Detection, Auto Tracking, EIS	Compact Design, 360° Pan & 80° Tilt	Defog, EIS, Audio Detection, Auto Tracking	Audio Detection, Auto Tracking	Defog, EIS, Audio Detection, Auto Tracking

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Form Factor	Cube Cameras
Video Resolution	1 Megapixel



Model Name	IP8130/31/30W/31W	IP8133/33W	IP8336W
Summary	1MP, 30fps, H.264/MJPEG, 6m IR, Wi-Fi, WPS	1MP, 30fps, H.264/MJPEG/MPEG-4, White-light Led, PIR, Wi-Fi, WPS	1MP, 30fps, H.264/MJPEG/MPEG-4, 5m IR, Wi-Fi, WPS, IP66
Sensor Type	1/4" Progressive CMOS	1/4" Progressive CMOS	1/4" Progressive CMOS
Lens Type	Fixed-focal	Fixed-focal	Fixed-focal
F-number	F2.4 (IP8130/30W) F1.8 (IP8131/31W)	F2.4	F1.8
Focal Length	f = 3.45 mm (IP8130/30W) f = 3.6 mm (IP8131/31W)	f = 3.45 mm	f = 3.6 mm
Field of View	IP8130/30W: 47° (H), 31° (V) IP8131/31W: 60° (H), 39° (V)	47° (H), 31° (V)	56° (H), 41° (V)
Auto-iris	-	-	-
Day/Night	Yes (IP8131/31W)	-	Yes
IR Illuminators	6m, IR LED*6 (IP8131/31W)	-	5 m, IR LED*6
Min. Illumination	0.3 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W) (IP8131/31W)	3.0 Lux @ F2.4	0.47 Lux @ F1.8 (Color) 0.001 Lux @ F1.8 (B/W)
Max. Video Resolution	1280x800 (1MP)	1280x800 (1MP)	1280x800 (1MP)
Frames per Second	30 fps @ 1280x800	30 fps @ 1280x800	30 fps @ 1280x800
Video Compression	Dual-Codec (H.264/MJPEG)	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)
Multiple Streams	2 Streams	3 Streams	2 Streams
WDR Technology*	-	-	-
3DNR	-	-	-
Power Input	DC 12V	PoE (IP8133) DC 5V	DC 12V
Power Consumption	Max. 1.8W (IP8130) Max. 3.0W (IP8131) Max. 2.3W (IP8130W) Max. 3.0W (IP8131W)	Max. 4.3 W (IP8133) Max. 4.7 W (IP8133W)	Max. 3.4 W
Digital Input / Output	1/0	1/1	1/0
Audio Capability	Two-way Audio	Two-way Audio	Built-in Microphone
Audio Compression	G.711	GSM-AMR, G.711	G.711
On-board Storage	MicroSD/SDHC/SDXC Card Slot	-	MicroSD/SDHC Card Slot
Housing	-	-	IP66
Dimensions	31 mm (D) x 80 mm (W) x 80 mm (H) (IP8130/30W) 46 mm (D) x 80 mm (W) x 80 mm (H) (IP8131/31W)	32 mm (D) x 79 mm (W) x 80 mm (H)	62 mm (D) x 88 mm (W) x 85 mm (H)
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)
Other Value-added Features	Compact Size, 802.11b/g/n WLAN, WPS (IP8130W/31W)	Privacy Button, PIR, White-light LEDs, Built-in Speaker, WPS (IP8133W)	ePTZ, WPS, 802.11b/g/n WLAN

Form Factor	Split-type Video Core	Form Factor	Split-type Camera Unit	
Video Resolution	2-Channel	Video Resolution	1 Megapixel	3 Megapixel



Model Name	VC8201	Model Name	CU8131	CU8171
Video Source	VIVOTEK Split-type Camera Unit	Summary	1MP, 30fps, WDR Pro	3MP, 15fps, Fisheye Surround View
Audio Capability	Audio input x 2 (From camera unit)	Sensor Type	1/3" Progressive CMOS	1/2.5" Progressive CMOS in 2560x1920
Video Compression	H.264/MJPEG	Lens Type	Fixed Focal	Fixed Focal
Digital Input /Output	2/2	F-number	F1.8	TBD
Motion Detection	0.1 Lux @ F1.2 (Color) 0.001 Lux @ F1.2 (B/W)	Focal Length	f = 3.6 mm	TBD
Multiple Streams	3 streams per channel	Field of View	TBD	TBD
Power Input	PoE DC 12V	Auto-iris	-	-
On-board Storage	SD/SDHC/SDXC Card Slot	Day/Night	-	-
3DNR	Yes	IR Illuminators	-	-
Audio Compression	AAC, G.711, G.726	Min. Illumination	TBD	TBD
Dimensions	TBD	Max. Video Resolution	1280x800	1536x1536
Operating Temperature	-10°C ~ 50°C (-14°F ~ 122°F)	Frames per Second	30 fps @ 1280x800	15 fps @ 1536x1536
		WDR Technology*	WDR Pro	-
		Audio Capability	Built-in Microphone	Built-in Microphone
		Housing	-	-
		Dimensions	TBD	TBD
		Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)	-10°C ~ 40°C (14°F ~ 104°F)

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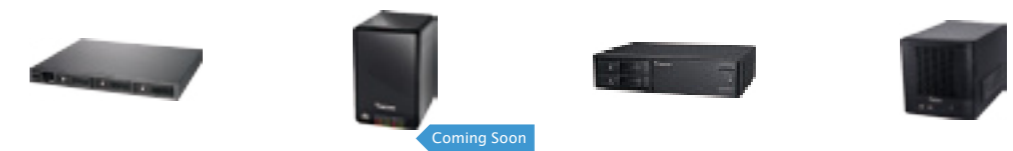
## Video Servers



Model Name	VS8801/8401	VS8102	VS8100
Video Source	8/4 Analog Camera Input	1 Analog Camera Input	1 Analog Camera Input
Video Modulation	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection	NTSC/PAL Auto Detection
Max. Video Resolution	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL	720x480/NTSC 720x576/PAL
Frames per Second	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576	30 fps @ 720x480 25 fps @ 720x576
Audio Capability	Two-way Audio	Two-way Audio	Audio in
Video Compression	Triple-Codec (H.264/MJPEG/MPEG-4)	Triple-Codec (H.264/MJPEG/MPEG-4)	Dual-Codec (H.264/MJPEG)
Serial Connectors	RS485	RS485	RS485
Pan/Tilt/Zoom Control	Yes	Yes	Yes
Networking	10/100/1000 Mbps Ethernet	10/100 Mbps Ethernet	10/100 Mbps Ethernet
Digital Input /Output	8/8 (VS8801) 4/4 (VS8401)	1/1	-
Motion Detection	Yes	Yes	Yes
Multiple Streams	1 Stream (VS8801) 2 Streams (VS8401)	4 Streams	3 Streams
Power Input	DC 12V AC 24V	PoE DC 12V AC 24V	DC 12V
On-board Storage	SD/SDHC Card Slot (VS8401)	SD/SDHC Card Slot	-
Other Value-added Features	Rack-mount Design	DC 12V Output for Analog Camera	Ultra-mini Size (25mm x 34mm x 65mm), Power Sharing with Analog Camera

## Form Factor

## Network Video Recorders



Model Name	NR8401	ND8321	ND8301	ND8401
Video Compression	H.264, MPEG-4	H.264, MJPEG	H.264, MPEG-4 & MJPEG	H.264, MPEG-4 & MJPEG
Channels	Up to 16 channels	Up to 8 channels	Up to 8 channels	Up to 16 channels
Hard Disk	3.5" SATA I/II/III HDD*4, up to 12TB (Supports RAID 0, 1, 5)	3.5" SATA I/II/III HDD*2, up to 8TB	3.5" SATA I/II/III HDD*2, up to 6TB (Supports RAID 0, 1)	3.5" SATA I/II/III HDD*4, up to 12TB (Supports RAID 0, 1, 5, 10)
Compatibility	Supports VIVOTEK network cameras	Supports VIVOTEK network cameras	Supports all VIVOTEK network cameras Supports ONVIF network cameras	Supports all VIVOTEK network cameras Supports ONVIF network cameras
Recording Throughput	Total: 96 Mbps	Total: 32 Mbps	Total: 96 Mbps	Total: 96 Mbps
Recording Policy	Event recording Scheduled recording Continuous recording	Event recording Scheduled recording Continuous recording Manual recording	Event recording Scheduled recording Continuous recording Manual recording	Event recording Scheduled recording Continuous recording Manual recording
Local Display Support Resolution	-	HDMI video output 1920 x 1080	VGA video output 1024 x 768-1920 x 1080	VGA video output 1024 x 768-1920 x 1080
Connectors	Ethernet 10/100/1000 *2, RJ45 USB socket for configuration backup & UPS Terminal block (DI*4, DO*1, RS232*1)	Ethernet 10/100/1000 *1, RJ45 USB socket for video backup, keyboard, mouse & UPS	Ethernet 10/100/1000 *2, RJ45 USB socket for video backup, keyboard, mouse & UPS eSATA for external HDD RS232 DE-9 Connector	Ethernet 10/100/1000 *2, RJ45 USB socket for video backup, keyboard, mouse & UPS eSATA for external HDD RS232 DE-9 Connector
History Playback	Playback of recorded media with date calendar	Playback of recorded media with date calendar, event & storyboard	Playback of recorded media with device, time, event & bookmark	Playback of recorded media with device, time, event & bookmark
Power	100 ~ 240V AC Power consumption: Max. 70 W	DC12V 5A Power consumption: Max. 60 W	DC12V 5A Power consumption: Max. 31 W	100 ~ 240V AC Power consumption: Max. 58 W
Approvals	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick
Installation, Management, and Maintenance	Installation Wizard 2 VAST iViewer (iOS/Android)	Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android)	Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android)	Supports VIVOTEK joystick Installation Wizard 2 VAST iViewer (iOS/Android)
Weight	Net: 7200 g (without HDD)	Net: 920 g (without HDD)	Net: 2270 g (without HDD)	Net: 5240 g (without HDD)
Dimensions	430 mm (W) x 421 mm (D) x 44 mm (H)	121 mm (W) x 179 mm (D) x 186 mm (H)	315 mm (W) x 220 mm (D) x 75 mm (H)	330 mm (W) x 204 mm (D) x 215 mm (H)

# Software

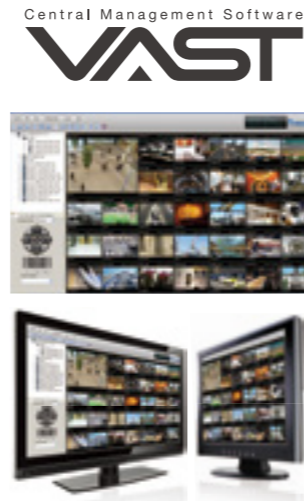
## Free Video Management Software - ST7501

ST7501 is a free standard video management software working seamlessly with all VIVOTEK network cameras and video servers. It supports 32-CH of live view camera monitoring, recording, playback, and event trigger management. It is integrated with the central management software, VAST, additionally featured with asynchronous / synchronous 16-CH playback, recording group, recording schedule management, data backup, search, export functions, PTZ / ePTZ / PIP (Digital Zoom) remote camera control and web access. ST7501 is designed for small business installation with all the benefits all for free.

## Central Management Software - VAST

### Hierarchical Management • VAST Matrix • VIVOTEK Exclusive Features

- > Powerful Video Wall Solution "VAST Matrix" for Unlimited Live Views\*
- > Powerful Hierarchical Management for VIVOTEK ST7501\*, VAST and NVR
- > Client/Server for Remote Video Management
- > Flexible Layout for Real-time 64-CH Live Video Monitoring with Dual Monitors
- > Effective & Reliable Event Trigger Management
- > Overall Device Management through Intuitive E-map Feature
- > Post-Video Enhancement and Defog
- > Instant Replay & Playback on LiveClient
- > Microsoft Active Directory Support
- > Update the Support Camera List through Device Packs
- > ONVIF Network Cameras Support
- > VIVOTEK Exclusive Feature Support: Panoramic PTZ, Seamless Recording



\*1. The ability to monitor multiple devices is subject to existing network bandwidth and server hardware performance.

\*2. The number of channel & stations depends on the purchased licenses on the key dongle.

# Application Software

## Installation Wizard 2 (IW2)

VIVOTEK's Installation Wizard 2, embedded with intelligent functions, can guide users to set up a network camera with ease. It is able to automatically detect users' network environments regarding IP address information, DDNS information, UPnP port forwarding information, and PPPoE connecting information, and directs users to connect the network cameras to the Internet quickly. It greatly facilitates the installation procedure for both professional and home security users.



## iViewer (For Tablet/Mobile, USD\$1.99)

iViewer is VIVOTEK's application software for iOS and Android system, allowing users to monitor live video from hundreds of cameras managed by a VAST (central management software), ST7501 (free video management software), VIVOTEK NVR, or make direct connections to individual camera. The iViewer also provides PTZ and PIP screen control, fisheye dewarping, snapshot and the capability to playback recorded video from VIVOTEK VAST/ST7501/NVR and cameras.



## Design Tool (For Tablet/Mobile)

VIVOTEK Design Tool is a useful mobile app which guides users to choose the correct devices and calculate the system requirements in a surveillance system via just a few clicks. It will help users save tons of time on project planning.



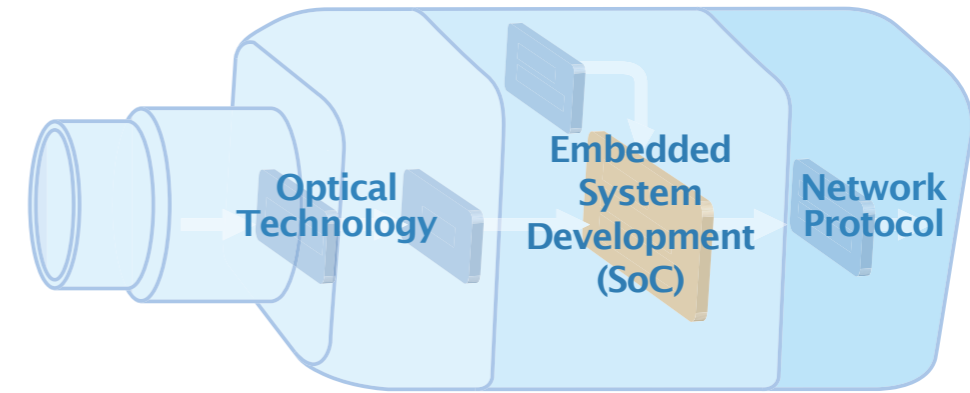
Accessories							
Mounting Kits							
Model Name	AM-102	AM-114	AM-116	AM-117	AM-214	AM-212	AM2000
Description	Recessed kit	Pendant head	Pendant Pipe (white)	Pendant pipe (gray)	L shape bracket	Wall mount bracket	Wall mount bracket
Mounting Kits							
Model Name	AM-311	AM-411	AM5102	AM-515	AM-516	AM-517	AM-51A
Description	Pole mount adaptor	Corner mount adaptor	1.5" NPT adaptor	1.5" NPT adaptor	Adaptor ring	Adaptor ring	Mounting adaptor (white)
Mounting Kits							
Model Name	AM-711	SP-702A	AM-221	AM-231	AM-118	AM-131	AM-712
Description	Junction box	Mounting bracket	Gooseneck bracket	Parapet mount bracket	Pendant head	Mounting bracket	Conduit Box
Mounting Kits				Enclosures			
Model Name	AM6101	AM6102	AE-101	AE-102	AE-131	AE-132	AE-151
Description	Wall Mount Kit for VS84/8801	Rack Mount Kit for VS84/8801	Indoor camera enclosure (transparent cover)	Indoor camera enclosure (smoke cover)	Outdoor dome enclosure (transparent cover)	Outdoor dome enclosure (smoke cover)	Outdoor dome housing
Enclosures							
Model Name	AE-211	AE-232	AE-233	AE-201	AE-202	AE-251	AE-252
Description	Outdoor enclosure with fan	Outdoor camera enclosure with fan/heater	Outdoor camera enclosure with fan/heater (input AC 24V)	Indoor camera enclosure (Transparent cover)	Indoor camera enclosure (Smoke cover)	Outdoor dome housing (Transparent cover)	Outdoor dome housing (Smoke cover)
Dome Covers			IR Illuminators			Lenses	
Model Name	AC-111	AC-211	AI-101	AI-102	AI-103	AL-231	AL-232
Description	Transparent speed dome cover (Vandal-proof)	Smoked speed dome cover	IR illuminators, super power infrared LED units*6, distance 20 M	IR illuminators, super power infrared LED units*12 in 2 tube housings, distance 20 M, IP68	IR illuminators, super power infrared LED units*6, distance 20 M, IP68	CS mount, 2.8 ~ 12 mm, F1.2, DC-iris	CS mount, 3.1 ~ 8 mm, F1.2, DC-iris
Lenses				PoE Kits			
Model Name	AL-233	AL-241	AL-234	13VM308AS	MS-POE-KITAF	POE-IJ-1748NDN	POE-SP-12121DN
Description	CS mount, 5 ~ 50 mm, F1.6, DC-iris	CS mount, 3.1 ~ 8 mm, F1.2, P-iris	CS mount, 5 ~ 50 mm, F1.6, DC-iris	CS mount, 3 ~ 8 mm, F1.0, manual-iris	802.3af PoE kit 5V ~12V	802.3af PoE injector	802.3af PoE splitter 12V
PoE Kits				Power Adapters			
Model Name	POE-SP-12051DN	AP3001	AP-331	AA-341	AA-221/AA-222	AA-231	AN3000
Description	802.3af PoE splitter 5V	802.3at PoE injector	802.3at, High Power PoE	AC 24V 3.5A power adapter	DC 12V 1.5A power adapter	DC 12V 2.5A power adapter	Outdoor Ethernet waterproof connector
Network Accessories						Joystick	Miscellaneous
Model Name	JOP-RFCFD-400150NMR	AN-211	AN-212	AN-213	AN-221	IPD-USB	AO-001
Description	RF cable	Outdoor wireless access point (Antenna connector*1)	Outdoor wireless access point (Antenna connectors*2)	Outdoor wireless access point (Antenna connectors*3)	5G panel antenna 5 ~ 8 km	USB joystick	I/O Cable for speed dome





## Core Competence

VIVOTEK's core competence lies in its strong R&D capabilities in hardware, software, electrical and mechanical integration. Throughout the years, our innovation has created excellent products recognized as highly reliable in the worldwide surveillance market.



ME & EE Integration

## Resolution

Resolution refers to the number of pixels in a horizontal row and vertical column of an image. The higher the resolution, the more information can be rendered and thus the better image quality. A megapixel network camera features a resolution at least three times larger than that of an analog CCTV camera (traditionally 0.3 megapixel), is mainly used in video surveillance in wide open areas or scenarios where accurate identification is needed, such as license plate recognition or face recognition.



VGA

1.3MP

2MP

5MP

# WDR

## WDR Enhanced

WDR Enhanced technology works by reducing the dynamic range of the entire image, while retaining the overall contrast. By compensating for unbalanced in a scene, detail is restored throughout the field of view so as to provide better visibility to identify an object of interest.

## WDR Pro

WDR Pro technology works by capturing alternate frames using different exposure times. The frame with longer exposure time captures details in darker parts of the scene, while the frame with shorter exposure time captures the brighter areas. An image signal processor (ISP) then uses a sophisticated algorithm to seamlessly combine the optimal portions of these two complementary frames to create a composite frame that retains detail in both dark and bright areas of the scene.

## WDR Pro II

WDR Pro II is an advanced version of WDR Pro. WDR Pro II technology works by capturing four alternate frames using four different exposure times. The four alternate frames present details from the darkest to the brightest areas in a scene respectively. An image signal processor (ISP) then uses a sophisticated algorithm to seamlessly combine the optimal portions of these four complementary frames to create a composite frame that retains the best details of the scene.



Without WDR



WDR Enhanced



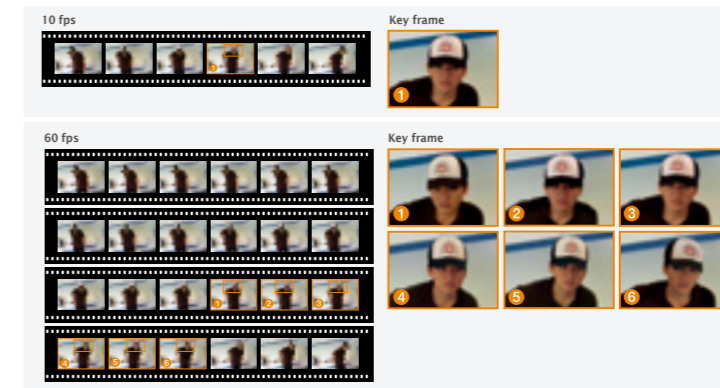
WDR Pro



WDR Pro II

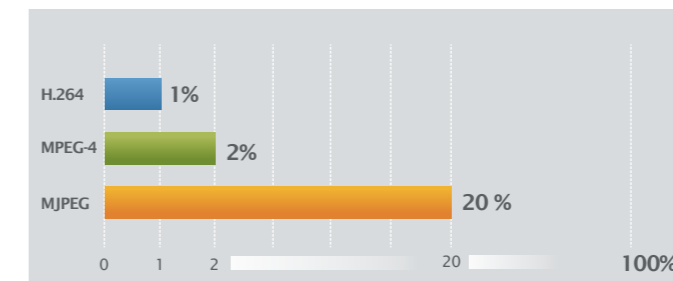
# 60 fps

60 frames per second framerate enables a network camera to handle scenes with fast moving objects, such as traffic or casino applications, and enhances identification accuracy in intelligence applications.



# Codec

H.264, MJPEG and MPEG-4 are the three major video codec formats applied in network cameras. Each format has its pros and cons and is used respectively for different streaming purposes.



Compressed File Sizes of MJPEG, MPEG-4 and H.264

	MJPEG	MPEG-4	H.264
Compressed file size	20%	2%	1%
Bandwidth comparison ratio	20	: 2	: 1
Encoding CPU loading ratio	1	: 4	: 10
Applications	<ul style="list-style-type: none"> <li>Local storage</li> <li>Snapshot viewing</li> </ul>	<ul style="list-style-type: none"> <li>Moving picture viewing</li> <li>Real-time transmission with limited bandwidth</li> </ul>	

Comparison of MJPEG, MPEG-4 and H.264



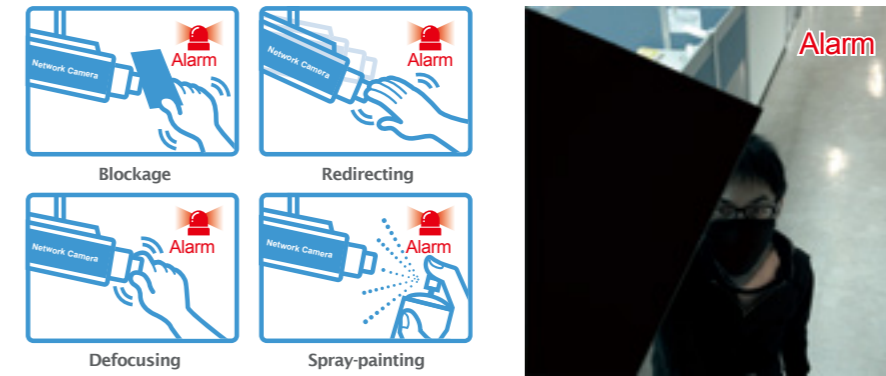
## City Surveillance

An increasing number of city governments are launching projects to consolidate video from security cameras to an integrated platform to enhance overall safety and convenience for its citizens. VIVOTEK's outdoor dome, bullet, and PTZ cameras serve as a comprehensive product line for demanding applications.

## VCA

With digital video from network cameras, useful data contained in a video stream now can be retrieved in an efficient way and be analyzed and applied in applications like license plate recognition, people counting, face recognition, tamper detection, color recognition, object tracking...and more. An intelligent video surveillance system can be integrated with access control, POS, police databases, or toll billing systems to improve efficiency.

### Tamper Detection

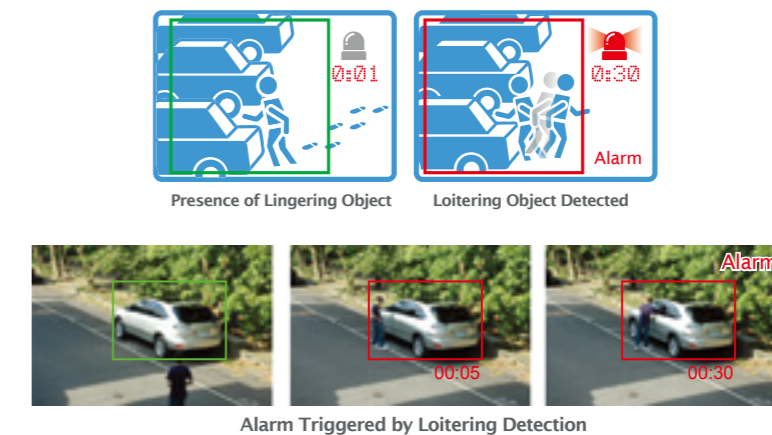


### Intelligent Motion Detection

Intelligent motion detection can distinguish between moving objects from natural environmental movements and trigger alarms based simply on the motion from the object of interest, decreasing false alarms.



### Loitering Detection



### License Plate Recognition



License Plate Recognition

### People Counting



People Counting

### Cross-line Detection



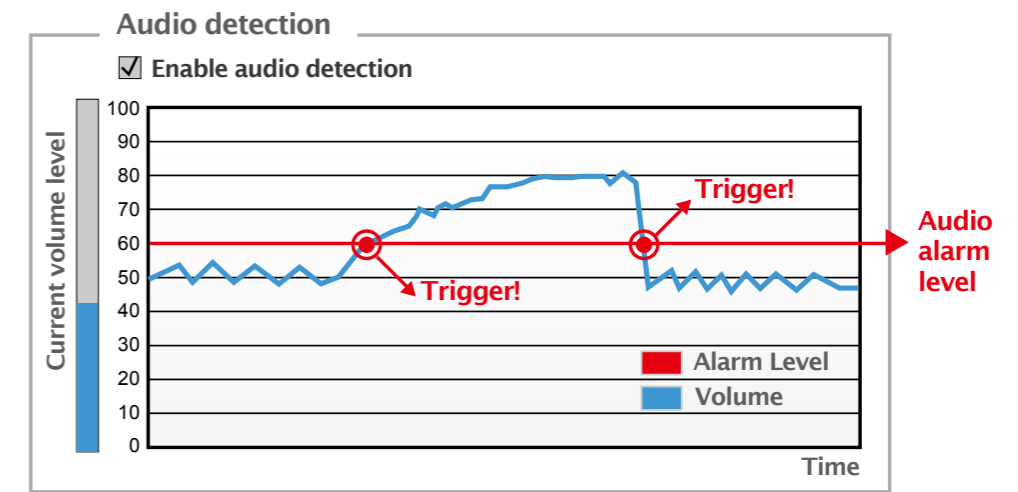
Cross-line Detection

### Object Tracking



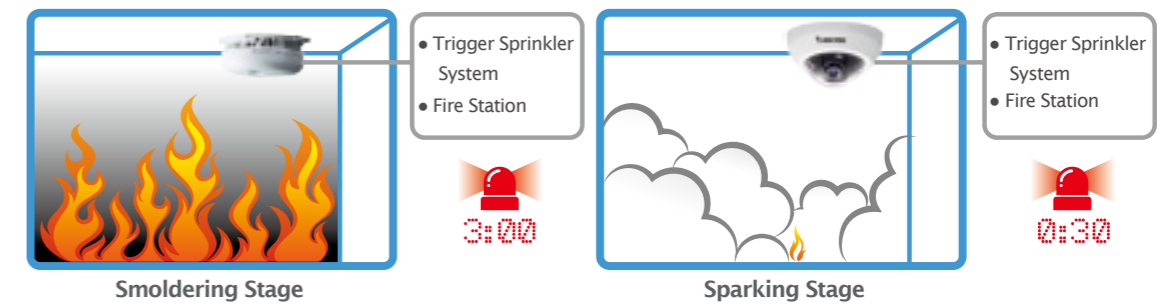
Object Tracking

### Audio Detection



Audio Detection

### Fire and Smoke Detection



Comparison of Traditional Smoke Detector and Intelligent Network Camera with Fire and Smoke Detection

### Facial Recognition



Facial Recognition on an Access Control System



## Public Transportation

Video surveillance in public transportation has become crucial. Stored video is often used to identify potential threats and ensure the safety of passengers. VIVOTEK offers a series of network cameras that are compliant with the industrial railway standards, like EN50155.

## Housing

### Vandal-proof Housing

A vandal-proof housing can resist violent attack, enabling a camera to operate in high-risk public environments such as prisons, transportation stations, parking lots, and ATM sites. Such housings feature robust design made of metal or polycarbonate plastic and can resist a strong impact force.

The IK rating system classifies the level of protection provided by enclosures for electrical appliances against external mechanical impact. An IK10-rated network camera can withstand an impact of 20 Joules, meaning the camera will withstand the impact of a 5 kg weight dropped on it from a height of 40 cm.

IK Code and Impact Energy											
IK Code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact Energy (joule)	-	0.14	0.2	0.35	0.5	0.7	1	2	5	10	20
Mass (Kg)	-	0.25	0.25	0.25	0.25	0.25	0.25	0.5	1.7	5	5
Stroke down (mm)	-	56	80	140	200	280	400	400	300	200	400

Impact Test Characteristics



### IP-rated Housing

A weatherproof housing should conform to the IP rating that defines protection against solid objects and liquid on a 0-6 and 0-8 scale respectively. Generally, a housing should be at least IP66-rated to provide sufficient protection for the camera's internal components.

Prevents device from accessing hazardous parts	
0	Non-protected
1	Protected against solid foreign objects 50 mm diameter and larger
2	Protected against solid foreign objects 12.5 mm diameter and larger
3	Protected against solid foreign objects 2.5 mm diameter and larger
4	Protected against solid foreign objects 1.0 mm diameter and larger
5	Dust Protected
6	Dust-tight

Degree of Protection against Dust Represented by First Digit of IP Rating

Prevent the damage of penetration of water into the housing	
0	Non-protected
1	Protected against drips
2	Protected against drips if the housing is bent at an angle of 15°
3	Protected against spray-water
4	Protected against splash-water
5	Protected against jet-water
6	Protected against strong jet-water
7	Protected against the effects of temporary submersion in water
8	Protected against the effects of permanent submersion in water

Degree of Protection against Water Represented by Second Digit of IP Rating



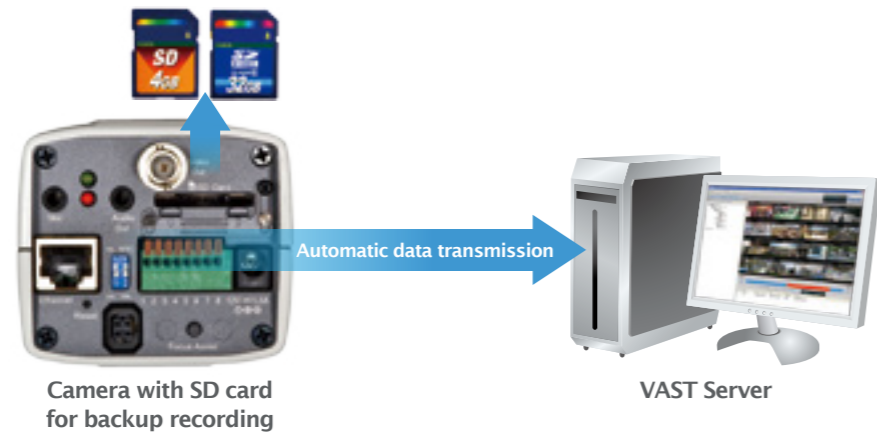
## Housing

### NEMA 4X

The NEMA rating defines the level of protection provided by enclosures in hazardous environments. The common rating for IP surveillance scenario is NEMA 4X, which resists corrosion in sewage treatment plants, swimming pool areas, car washes, paper mills and marine installations.

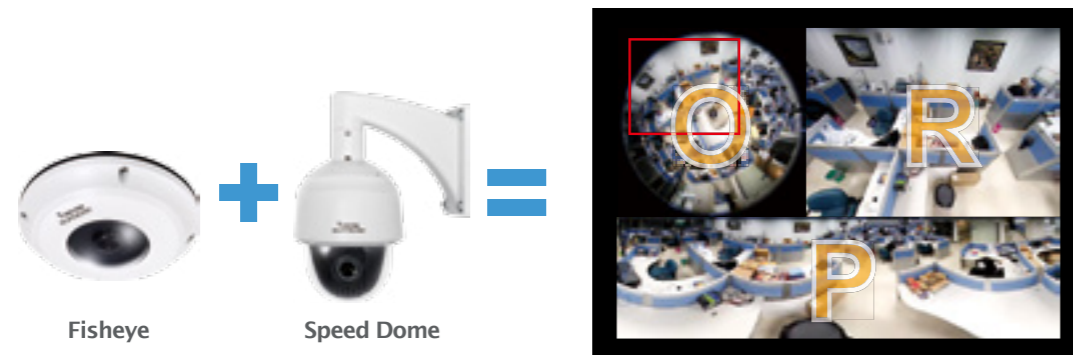
## Seamless Recording

If a network connection is lost, video streams can be backed up on an SD card inserted into a VIVOTEK camera as backup. When the network connection is recovered, Seamless Recording enables the recording server to merge the backup data on the SD card with that on the recording server, creating a seamless video record. Seamless Recording is supported by VIVOTEK CMS platforms.



## Panoramic PTZ

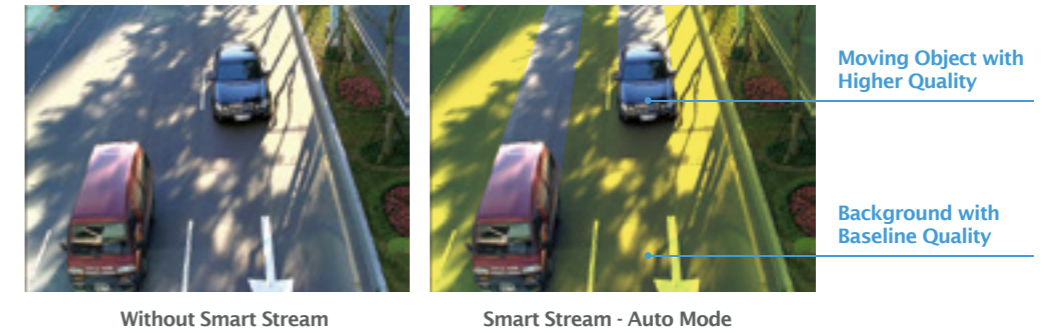
Panoramic PTZ allows for the integration of a fisheye camera with a full HD speed dome, allowing users to simultaneously monitor an overview from a fisheye camera while being able to take advantage of the optical zoom capabilities of a speed dome. This combination is perfectly suited for surveillance of wide, open areas where both views are required for effective monitoring.



**TO** – Original surround view from fisheye camera  
**TP** – Panoramic view from fisheye camera  
**TR** – Regional view from speed dome

## Smart Stream

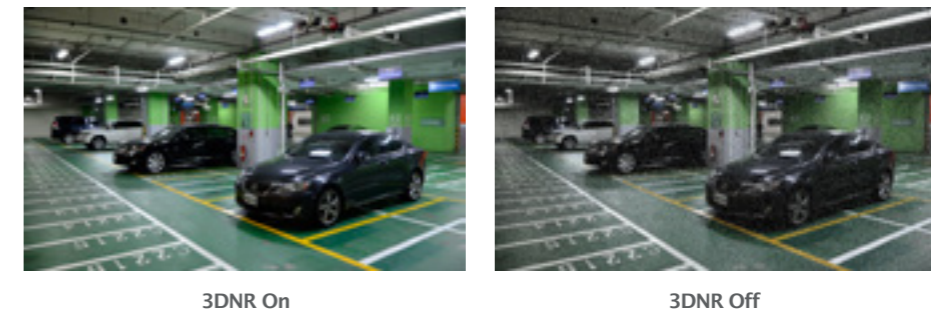
Smart Stream technology intelligently allocates bandwidth when streaming moving objects or Regions of Interest in surveillance scenarios, resulting in increased savings in bandwidth and storage space.



In this scenario, Smart Stream auto mode saves 30% of the original bandwidth required, while the detail of moving objects is maintained.

## 3DNR

3-Dimensional Noise Reduction technology operates in both spatial and temporal domains to suppress signal noise and generate good image quality under low light conditions, keeping bit rate and system loading at a reasonable level.



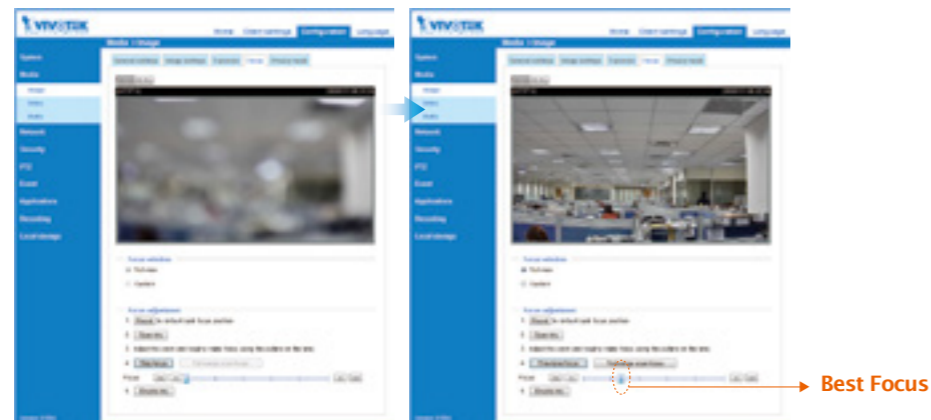
## Smart IR

When the Smart IR function is enabled, the camera automatically adjusts the IR lighting intensity in order to avoid overexposure in night mode and is highly beneficial in capturing usable video when the object of interest is close to the camera and IR LEDs.



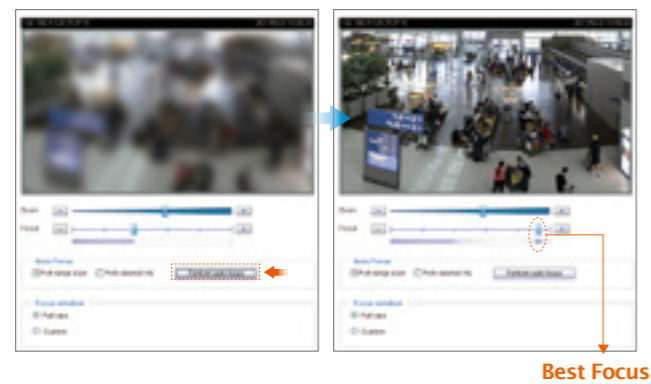
## Remote Back Focus (RBF)

Camera with remote back focus functionality comes with a controllable CCD/CMOS sensor board inside the camera. In the camera UI, installers can adjust the distance between the sensor board and the lens to fine tune the focus of a camera. This dramatically reduces the installation time.



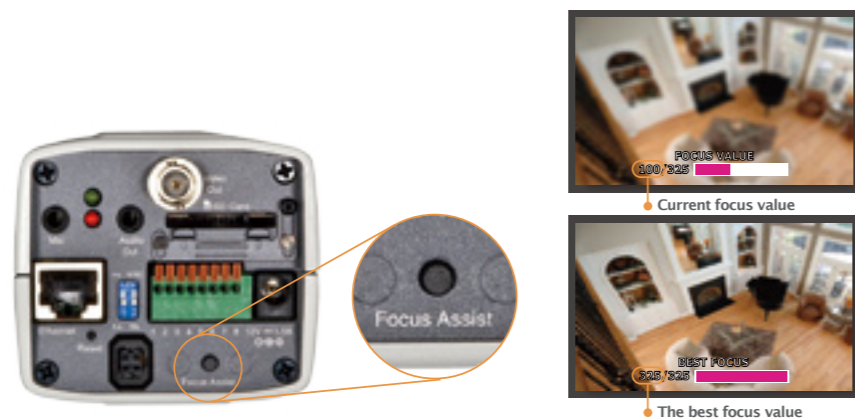
## Remote Focus

To improve ease of installation and image adjustment, cameras with Remote Focus have lenses with built-in stepper motors, which can be used to remotely control the focal length and precisely adjust focus of a camera.



## Focus Assist

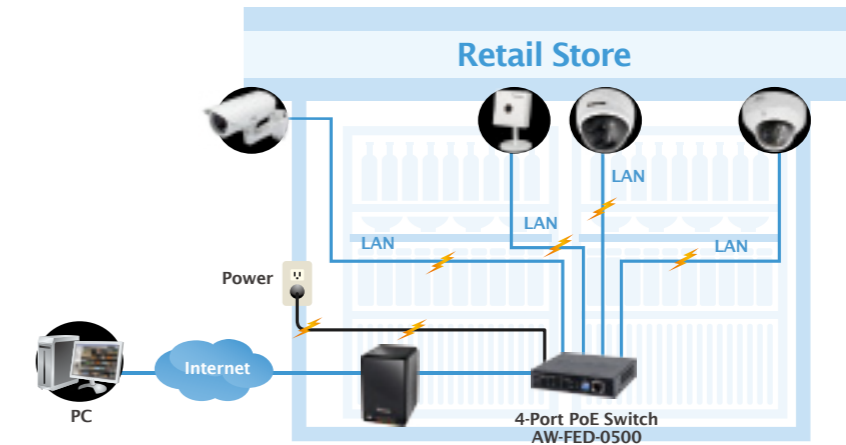
An installer can use the Focus Assist tool by pressing the button to bring up a display which helps to hone in on the best focus value.



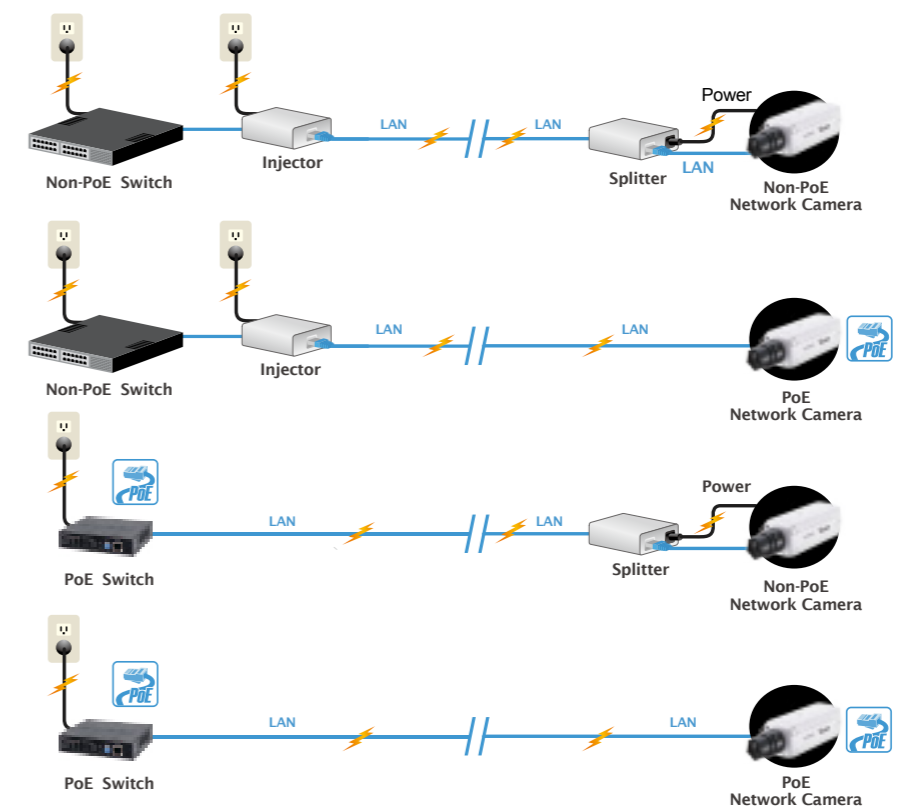
## PoE

Conventional network cameras require a power cable for supplying power and an Ethernet cable (Cat-5 or above) for data transmission. PoE (Power-over-Ethernet), developed by the IEEE 802.3af task force, enables power to be supplied over an Ethernet cable, and thus eliminates the use of a separate power cable. By connecting a PoE-supported camera to a PoE switch, additional power cabling is rendered unnecessary.

In the IEEE802.3af standard, a device that supplies power is the power sourcing equipment (PSE), which can be a PoE-enabled switch (or endspan) or an injector (or midspan). A device that is fed with power is called a powered device (PD). A PSE can provide a voltage of 48 volts with maximum current of 400mA and maximum output power of 15.4 W per port. IEEE has developed a new IEEE 802.3at standard, known as PoE+ or PoE plus to provide maximum output power of 30 W - 60 W.



PoE-enabled Devices for a Retail Application



Connection of PoE and Non-PoE Network Cameras

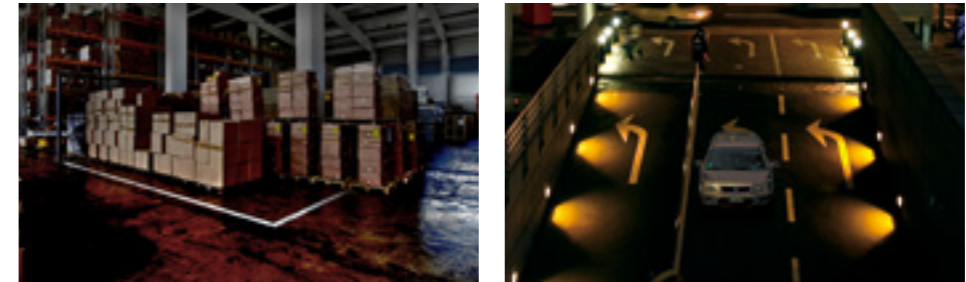


### Retail Application

Most major losses in retail environments are due to shrinkage from customer and employee theft. VIVOTEK offers a comprehensive range of network cameras, including panoramic models, that provide comprehensive intelligence for retail. In addition to security, IP cameras are typically integrated with POS or business analytics to further reduce theft and enhance business efficiency.

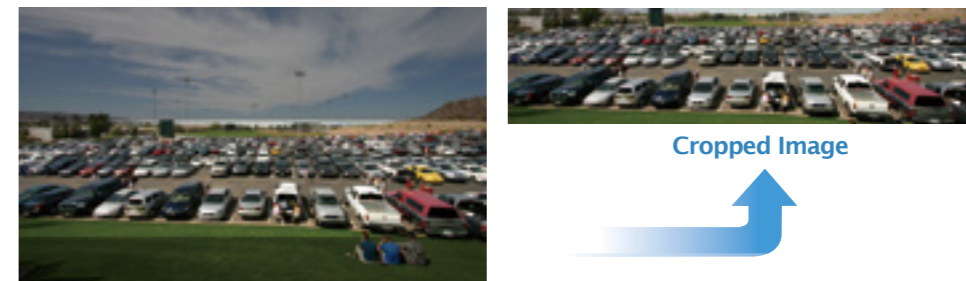
## Supreme Night Visibility (SNV)

SNV stands for Supreme Night Visibility. VIVOTEK SNV-label products incorporate carefully selected quality optical components and sophisticated image signal processing algorithm to reproduce high quality color image while lighting is insufficient.



## Cropping & ePTZ

Cropping allows the camera to crop unnecessary information and simply transmit the video of the target region for live viewing or storage. ePTZ, also known as electronic pan/tilt/zoom, enables users to quickly move to a target area for close-up shots by simply clicking on the video screen. By cropping the image, the transmitted data size and the network load are reduced, and thus a higher frame rate is obtained. By encoding and transmitting simply the images of the regions of interest (ROIs) rather than the entire pictures in megapixel resolution, cropping and ePTZ allow for more efficient bandwidth usage and storage space.



Cropping



ePTZ





## Global Awards



Industry Elite  
By A&S



The 16th Taiwan SMEA  
National Outstanding  
SMEs Award



The 10th Taiwan SMEA  
Rising Star Award



Industrial Technology  
Advancement  
Award-Excellent Award



I.T. Month  
Outstanding  
I.T. Elite Award



Security 50  
2006-2013



Technology Fast 500  
Asia Pacific 2007 by  
Deloitte & Touche



2013 Deloitte  
Technology Fast 500  
Asia Pacific Ranking



Technology Fast  
50 Taiwan 2006 by  
Deloitte & Touche



VIVOTEK Ranks 14th  
Among Taiwan's Top  
50 Performers



MIPS The Best Innovation  
Product Contest Award  
2013  
Panoramic PTZ



SecuTech IP Camera  
Excellence Award  
2013  
IP8371E



GIT Security  
Award 2013  
Panoramic PTZ



Symbol of Excellence  
Winner  
Panoramic PTZ  
CC8130



CPS Top 10 Innovative  
Security Product Award  
IP7142, IP7151, SD7151



SecuTech Award 2011  
IP8162P



Outstanding I.T.  
Product Award  
FE8171V, PZ7151/52,  
PT7135/37



SecuTech Award 2008  
PZ7151/52



The 14th Taiwan SMEs  
Innovation Award  
IP7138/39



Symbol of Excellence  
Winner  
FD8136, FE8171V,  
FD8134, IP8151



Secutech 2014 IP  
Cameras Excellent  
Award  
IP8355EH



Best of Taiwan's Best  
Award Winner  
IP7135/37



IT Pro Corporate Choice  
2013 award  
VIVOTEK IP Surveillance  
Solution



ISC Brazil 2014 Digital  
Security Awards  
MD8562



GIT Security Award  
2009  
IP7142



*A Crystal Ball to  
Secure Your World.*

### **FE8174/FE8174V** Fisheye Network Camera

- 5-Megapixel CMOS Sensor
- 30 fps @ 1080p Full HD
- 1.1 mm Fisheye Lens for 180° Panoramic View and 360° Surround View
- Removable IR-cut Filter for Day & Night Function
- EN50155 Compliance for Professional Mobile Surveillance
- Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- WDR Enhanced for Unparalleled Visibility in Extremely Bright or Dark Environments
- Vandal-proof IK10-rated and Weather-proof IP66-rated Housing ( FE8174V )
- ePTZ for Data Efficiency
- Built-in 802.3af Compliant PoE
- Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage
- Pixel Calculator for Image Clarity Measurement
- Support Local or Client Side Dewarping

## 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](mailto:sia@vivotek.com) for more information.



## Global Success Stories

<b>Thailand</b> Siam Paragon Shopping Mall 1,000 PCS	<b>Philippines</b> SM Mall 4,100 PCS	<b>Philippines</b> SM Mall 4,100 PCS	<b>Vietnam</b> PHO24 Restaurant 1,000 PCS	<b>Taiwan</b> President Ma Ying Jeou Residential Area Surveillance	<b>Taiwan</b> Taipei City Surveillance 14,000 PCS
<b>Hong Kong</b> Public Rental Housing 368 PCS	<b>China</b> Zhengzhou-Xi'an High Speed Railway 2,048 PCS	<b>China</b> College Entrance Exam 18,000 PCS	<b>Australia</b> College Entrance Exam 18,000 PCS	<b>Iran</b> BMI Bank 1,005 PCS	<b>India</b> BPCL Gas Station 1,000 PCS
<b>South Africa</b> Manganese Mine 1,000 PCS	<b>Morocco</b> Morocco Mall	<b>Italy</b> Rome Fiumicino Airport 300 PCS	<b>France</b> McDonald's 300 PCS	<b>France</b> Accor Hotel 300 PCS	<b>UK</b> Simon King Wildlife Monitoring
<b>UK</b> The Enterprise Park	<b>German</b> VIP Casino	<b>Hungary</b> Hungaro Spa in Hajdúszoboszló 173 PCS	<b>Hungary</b> Szeged Transportation Security 110 PCS	<b>Poland</b> Public Transportation Swing Tram 2,000 PCS	<b>Poland</b> Guido Coal Mine
<b>Mongolia</b> Arvaikheer City Surveillance	<b>Russia</b> University Entrance Exam 3,000 PCS	<b>Mexico</b> Automotive Parts Manufacturer Grupo GONHER	<b>Mexico &amp; Brazil</b> Mexico City & São Paulo Metro 1,950 PCS	<b>Dominican Republic</b> Santo Domingo Airports 172 PCS	<b>Argentina</b> CAM24 Telecom 7,000 PCS

## iVolume – All About VIVOTEK

VIVOTEK iVolume e-catalogue app for iOS and Android tablet devices complete with comprehensive information on VIVOTEK's full product portfolio and technical documents. iVolume is available for free download on the Apple App Store and Google Play, allowing key information to be viewed on tablet devices anytime anywhere.



Note: iVolume supports the best on tablet viewing.



- 360° Surround View
- Optical Zoom
- Full HD Clarity
- Auto Tracking
- Extra-smooth PTZ



### No More Blind Spots 360° Seamless Surveillance Solution

Panoramic PTZ



Do you know chameleons have a full 360-degree arc of vision around their bodies? VIVOTEK Panoramic PTZ makes it the same. It synchronizes a megapixel fisheye camera with a speed dome camera. Thus when you monitor a surround view from a fisheye model, you can also enjoy a detailed full HD view from a speed dome with ease.

