



IP VIDEO PRODUCT SELECTION

Network Camera / PTZ / NVR / Accessories / Video Software

2015 3rd Quarter

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TOTAL IP SOLUTION



NETWORK CAMERA





Ultra-HD 4K Series

- High sensitivity and low noise with back-illuminated pixel technology
- 4x optical zoom motorized 12MP lens offers faster zoom and focus
- E-PTZ offers Auto-tracking function
- 30x optical zoom 4K PTZ brings more benefits

Ultra-HD 4K Series		
	Box Camera	Vari-Focal Bullet
	IPC-HF81200E	IPC-HFW81200E-Z
Model		
Image Sensor	1/1.7" 12MP Exmor R CMOS	1/1.7" 12MP Exmor R CMOS
Lens	CS	4.1-16.4mm/F1.53 Motorized
Angle of View	--	H: 84.5°~34°
Min. Illumination	0.05Lux/F1.2(Color) 0.005Lux/F1.2(B/W)	0.05Lux/F1.53(Color) 0Lux/F1.53(IR on)
Day/Night	ICR	ICR
WDR	DWDR	DWDR
Max. IR Distance	--	50m
Video Compression	H.264/MJPEG	H.264/MJPEG
Max. Resolution	12M(4000×3000)	12M(4000×3000)
Frame Rate	15fps@12M, 30fps@4K	15fps@12M, 30fps@4K
Multi-streaming	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1, Built-in Mic	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	2/1
Ingress Protection	--	IP67, IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C
Power	DC12V/AC24V PoE (802.3af), 8W	DC12V (AC24V optional) PoE (802.3at), 24W

NETWORK CAMERA / NETWORK PTZ CAMERA

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Ultra-HD 4K Series					
Model	Vari-Focal Dome	Fixed Bullet	Fixed Dome	Model	Outdoor IR PTZ Camera
	IPC-HDBW81200E-Z	IPC-HFW4800E	IPC-HDBW4800E		SD6AE830T-HN
					
Image Sensor	1/1.7" 12MP Exmor R CMOS	1/2.3" 12MP Exmor R CMOS	1/2.3" 12MP Exmor R CMOS	Image Sensor	1/1.7" 12Mp Exmor R CMOS
Lens	4.1-16.4mm/F1.53 Motorized	4mm/F2.3 Manual	4mm/F2.3 Manual	Lens	6~180mm(30x Optical zoom)
Angle of View	H: 106°~32°	H:80°	H: 80°	Angle of View	H:61.2°~2.32°
Min. Illumination	0.05Lux/F1.53(Color), 0Lux/F1.53(IR on)	0.1Lux/F2.3 (Color), 0Lux/F2.3(IR on)	0.1Lux/F2.3 (Color), 0Lux/F2.3(IR on)	Min. Illumination	0.005Lux@F1.5(Color), 0Lux/F1.5 (IR on)
Day/Night	ICR	ICR	ICR	WDR	DWDR
WDR	DWDR	DWDR	DWDR	Max. IR Distance	200m
Max. IR Distance	50m	30m	20m	Video Compression	H.264 / MJPEG
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	Max. Resolution	4K(3840×2160)
Max. Resolution	12M(4000×3000)	4K(3840×2160)	4K(3840×2160)	Frame Rate	30fps@4K/3M, 60fps@1080P
Frame Rate	15fps@12M,30fps@4K	15fps@4K,30fps@3M	15fps@4K,30fps@3M	Multi-streaming	3 streams
Multi-streaming	3 streams	3 streams	3 streams	Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, Auto flip 180°
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	--	--	Preset Speed	Pan: 240° /s; Tilt: 200° /s
				Intelligent Video	Tripwire, Intrusion, Abandoned Object Detection Missing Object Detection, Face Detection
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	Compatibility	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	--	--	Audio In/Out	1/1
Memory Slot	Micro SD, Max 128GB	--	--	Memory Slot	Micro SD, Max 128GB
Alarm In/Out	1/1	--	--	Alarm In/Out	7/2
Ingress Protection	IP67, IK10	IP66	IP66, IK10	Ingress Protection	IP67, IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	WorkingTemperature	-40°C ~ +70°C
Power	DC12V/AC24V, PoE (802.3at), 24W	DC12V, PoE (802.3af), 7.5W	DC12V, PoE (802.3af), 7W	Power	AC24V, Hi-PoE



Ultra-Smart Series

- High standard hardware: Sony Exmor sensor
- Superior image features: Starlight/Ultra WDR(140dB)
- Advanced H.265 encoding help save 50% of bandwidth and storage
- Advanced intelligent functions: People counting, Heat map, SSA
- Intelligent Auto-tracking PTZ can easily track objects

NETWORK CAMERA

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Ultra-Smart Series		
	Box Camera	
	IPC-HF8530E	IPC-HF8331E
Model	 	  
Image Sensor	1/3" 5MP Exmor R CMOS	1/2.8" 3MP Exmor R CMOS
Lens	CS	CS
Angle of View	--	--
Min. Illumination	0.05Lux/F1.2(Color) 0.005Lux/F1.2(B/W)	0.002Lux/F1.2(Color) 0.0002Lux/F1.2(B/W)
Day/Night	ICR	ICR
WDR	DWDR	140dB
Max. IR Distance	--	--
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Resolution	5M(2560×1920)	3M(2048×1536)
Frame Rate	30fps@5M	30fps@3M
Multi-streaming	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	2/1
Ingress Protection	--	--
Working Temperature	-30°C~+60°C	-30°C~+60°C
Power	DC12V/AC24V PoE (802.3af), 10W	DC12V/AC24V PoE (802.3af), 10W

NETWORK CAMERA

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Ultra-Smart Series								
	Box Camera	Vari-Focal Bullet		Vari-Focal Dome		Box Camera	Vari-Focal Bullet	Vari-Focal Dome
Model	IPC-HF8231E	IPC-HFW8331E-Z	IPC-HFW8231E-Z	IPC-HDBW8331E-Z	IPC-HDBW8231E-Z	IPC-HF8281E	IPC-HFW8281E-Z	IPC-HDBW8281-Z
	 	 	 	 	 	 	 	 
Image Sensor	1/2.8" 2MP Exmor R CMOS	1/2.8" 3MP Exmor R CMOS	1/2.8" 2MP Exmor R CMOS	1/2.8" 3MP Exmor R CMOS	1/2.8" 2MP Exmor R CMOS	1/1.9" 2MP Exmor CMOS	1/1.9" 2MP Exmor CMOS	1/1.9" 2MP Exmor CMOS
Lens	CS	2.8-12mm/F1.4, motorized	2.8-12mm/F1.4, motorized	2.8-12mm/F1.4, motorized	2.8-12mm/F1.4, motorized	CS	4-8mm/F1.4, motorized	4-8mm/F1.4, motorized
Angle of View	--	H: 81.2°-25.8°	H: 81.2°-25.8°	H: 81.2°-25.8°	H: 81.2°-25.8°	--	H: 90°~58°	H: 90°~58°
Min. Illumination	0.002Lux/F1.2(Color) 0.0002Lux/F1.2(B/W)	0.005Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.005Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.005Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.005Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.002Lux/F1.2(Color) 0.0002Lux/F1.2(B/W)	0.005Lux/F1.65(Color) 0Lux/F1.65(IR on)	0.005Lux/F1.65(Color) 0Lux/F1.65(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	140dB	140dB	140dB	140dB	140dB	120dB	120dB	120dB
Max. IR Distance	--	50m	50m	50m	50m	--	30m	20m
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Resolution	1080P(1920×1080)	3M(2048×1536)	1080P(1920×1080)	3M(2048×1536)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	30fps@1080P	30fps@3M	30fps@1080P	30fps@3M	30fps@1080P	60fps@1080P	60fps@1080P	60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map	Tripwire, Intrusion, Scene Change, Face Detection, People Counting, Heat Map
Compatibility	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI
Audio In/Out	1/1, Built-in Mic	1/1	1/1	1/1	1/1	1/1, Built-in Mic	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	2/1	2/1	1/1	1/1	2/1	2/1	1/1
Ingress Protection	--	IP67	IP67	IP67, IK10	IP67, IK10	--	IP66	IP66, IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V/AC24V PoE (802.3af), 10W	DC12V(AC24V optional) PoE (802.3af), 14W	DC12V(AC24V optional) PoE (802.3af), 12.5W	DC12V/AC24V PoE(802.3af), 13.5W	DC12V/AC24V PoE(802.3af), 12W	DC12V/AC24V PoE (802.3af), 10W	DC12V(AC24V optional) PoE (802.3af), 12.5W	DC12V/AC24V PoE(802.3af), 12W

NETWORK PTZ CAMERA

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Ultra-Smart Series								
	Outdoor IR PTZ Camera			Outdoor PTZ Camera	IR Positioning System		Laser Positioning System	
	SD6AE230F-HNI	SD6AL230F-HNI	SD6AL240-HNI	SD60230A-HNI	PTZ12230F-IRB-N	PTZ12240-IRB-N	PTZ12230F-LR8-N	PTZ12240-LR8-N
Model								
Image Sensor	1/1.9" 2Mp Exmor CMOS	1/1.9" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/1.9" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/1.9" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS
Lens	6~180mm(30x Optical zoom)	6~180mm(30x Optical zoom)	7.9~316mm (40x Optical zoom)	4.5~135mm(30x Optical zoom)	6~180mm (30x Optical zoom)	7.9~316mm (40x Optical zoom)	6~180mm (30x Optical zoom)	7.9~316mm (40x Optical zoom)
Angle of View	H: 61.2° ~ 2.32°	H: 61.2° ~ 2.32°	H: 41.5° ~ 1.1°	H: 60.42°~4.29°	H: 61.2° ~ 2.32°	H: 41.5° ~ 1.1°	H: 61.2° ~ 2.32°	H: 41.5° ~ 1.1°
Min. Illumination	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux@F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux/F1.6(Color) 0.0005Lux/F1.6(B/W)	0.005Lux@F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux@F1.6(Color) 0Lux/F1.6 (IR on)	0.005Lux@F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux@F1.6(Color) 0Lux/F1.6 (IR on)
WDR	120dB	120dB	DWDR	140dB	120dB	DWDR	120dB	DWDR
Max. IR Distance	200m	500m	500m	-	300m	300m	800m	800m
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Resolution	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)	1080P(1920 x 1080)
Frame Rate	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -10° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -90° ~ 45°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -90° ~ 45°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -90° ~ 45°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -90° ~ 45°
Preset Speed	Pan: 240° /s; Tilt: 200° /s	Pan: 240° /s; Tilt: 200° /s	Pan: 240° /s; Tilt: 200° /s	Pan: 650° /s; Tilt: 500° /s	Pan: 160° /s; Tilt: 60° /s	Pan: 160° /s; Tilt: 60° /s	Pan: 160° /s; Tilt: 60° /s	Pan: 160° /s; Tilt: 60° /s
Auto Tracking	Single-scene, Multiple-scene Panorama-scene	Single-scene, Multiple-scene Panorama-scene	Single-scene, Multiple-scene Panorama-scene	Single-scene, Multiple-scene Panorama-scene	Single-scene, Multiple-scene Panorama-scene	Single-scene, Multiple-scene Panorama-scene	Single-scene, Multiple-scene Panorama-scene	Single-scene, Multiple-scene Panorama-scene
Intelligent Video	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.	Tripwire, Intrusion, Cross Warning Zone, Perimeter Protection, Loitering Detection, Abandoned Object Detection, Missing Object Detection, Illegal Parking, Fast Moving, Face Detection and etc.
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	7/2	7/2	7/2	7/2	7/2	7/2	7/2	7/2
Ingress Protection	IP67, IK10	IP67	IP67	IP67, IK10	IP66	IP66	IP66	IP66
Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C	-50°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C
Power	AC24V, Hi-PoE	AC24V, Hi-PoE	AC24V, Hi-PoE	AC 24V, PoE+ (802.3at)	AC 24V/5A	AC 24V/5A	AC 24V/5A	AC 24V/5A

NETWORK CAMERA

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Eco-Savvy H.265 Series

- Advanced H.265 encoding help save 50% of bandwidth and storage
- Resolution up to 4Megapixel with 16:9 format
- 120dB real WDR performance
- Advanced software features: IVS, face detection, ROI

Eco-Savvy H.265 Series

	Vari-Focal Bullet	Vari-Focal Dome	Fixed LXIR Bullet		Fixed Eyeball
	IPC-HFW5431E-Z	HDBW5431E-Z	IPC-HFW4431B-AS	IPC-HFW4431D-AS	IPC-HDW4431E-AS
Model	 	 	 	 	 
Image Sensor	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS	1/3" 4MP CMOS
Lens	2.7~12mm/F1.4, Motorized	2.7~12mm/F1.4, Motorized	3.6mm/F2.0, 6mm/F2.0 optional, Manual	6mm/F2.0, Manual	6mm/F2.0, Manual
Angle of View	H: 99°~34°	H: 99°~34°	H: 81°(55°)	H: 55°	H: 55°
Min. Illumination	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	50m	50m	50m	80m	50m
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Resolution	4M(2592×1520)	4M(2592×1520)	4M(2592×1520)	4M(2592×1520)	4M(2592×1520)
Frame Rate	20fps@4M, 30fps@3M	20fps@4M, 30fps@3M	20fps@4M, 30fps@3M	20fps@4M, 30fps@3M	20fps@4M, 30fps@3M
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	1/1	1/1	1/1	1/1
Ingress Protection	IP67	IP67, IK10	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V(AC24V optional) PoE (802.3af), 10W	DC12V(AC24V optional) PoE (802.3af), 10W	DC12V, PoE (802.3af), 4W	DC12V, PoE (802.3af), 4W	DC12V, PoE (802.3af), 4W

NETWORK PTZ CAMERA

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Eco-Savvy H.265 Series						
	Outdoor IR PTZ Camera			Outdoor PTZ Camera		Indoor PTZ Camera
Model	SD6AE530U-HN	SD6C430U-HN	SD59430U-HN	SD60430U-HN	SD50430U-HN	SD52C430U-HN
						
Image Sensor	1/1.9" 6Mp Exmor R CMOS	1/3" 4Mp CMOS	1/3" 4Mp CMOS	1/3" 4Mp CMOS	1/3" 4Mp CMOS	1/3" 4Mp CMOS
Lens	6 ~ 180mm (30x Optical zoom)	4.5 ~ 135mm (30x Optical zoom)	4.5 ~ 135mm (30x Optical zoom)	4.5 ~ 135mm (30x Optical zoom)	4.5 ~ 135mm (30x Optical zoom)	4.5 ~ 135mm (30x Optical zoom)
Angle of View	H: 61.2° ~ 2.32°	H: 60° ~ 2.40°	H: 60° ~ 2.40°	H: 60° ~ 2.40°	H: 60° ~ 2.40°	H: 60° ~ 2.40°
Min. Illumination	0.01Lux/F1.5(Color) 0Lux/F1.5 (IR on)	0.05Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)
WDR	DWDR	120dB	120dB	120dB	120dB	120dB
Max. IR Distance	200m	100m	100m	-	-	-
Video Compression	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG	H.265 / H.264 / MJPEG
Max. Resolution	5M(2560×1920)	4M(2592×1520)	4M(2592×1520)	4M(2592×1520)	4M(2592×1520)	4M(2592×1520)
Frame Rate	30fps@5M/3M, 60fps@1080P	30fps@4M/3M, 60fps@1080P	30fps@4M/3M, 60fps@1080P	30fps@4M/3M, 60fps@1080P	30fps@4M/3M, 60fps@1080P	30fps@4M/3M, 60fps@1080P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless Tilt: -10° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: 0° ~ 90°, Auto flip 180°
Preset Speed	Pan: 240° /s; Tilt: 200° /s	Pan: 240° /s; Tilt: 200° /s	Pan: 400° /s; Tilt: 300° /s	Pan: 650° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s
Intelligent Video	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	7/2	2/1	2/1	7/2	2/1	2/1
Ingress Protection	IP67, IK10	IP66	IP66	IP67, IK10	IP67, IK10	IK10
WorkingTemperature	-40°C~+70°C	-40°C~+60°C	-40°C~+70°C	-40°C~+70°C	-40°C~+60°C	-30°C~+60°C
Power	AC24V, Hi-PoE	AC24V	AC24V, PoE+(802.3at)	AC 24V, PoE+ (802.3at)	AC24V, PoE+ (802.3at)	AC24V, PoE+ (802.3at)

Eco-Savvy 2.0 Series

- Green-tech evolution: Amberalla latest chip S2LM
- Resolution up to 4Megapixel with 16:9 format
- New 1080P and 4M with 120dB WDR
- Advanced software features: IVS, face detection, ROI

Eco-Savvy 2.0 Series

	Box Camera		
	IPC-HF5421E	IPC-HF5221E	IPC-HF5121E
Model			
Image Sensor	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/3" 1.3MP Exmor CMOS
Lens	CS	CS	CS
Angle of View	--	--	--
Min. Illumination	0.01Lux/F1.2 (Color) 0.001Lux/F1.2(B/W)	0.01Lux/F1.2 (Color) 0.001Lux/F1.2(B/W)	0.01Lux/F1.2 (Color) 0.001Lux/F1.2(B/W)
Day/Night	ICR	ICR	ICR
WDR	120dB	120dB	120dB
Max. IR Distance	--	--	--
Video Compression	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG
Max. Resolution	4M(2688x1520)	1080P(1920x1080))	1.3M(1080x960)
Frame Rate	20fps@4M, 30fps@3M	30fps@1080P	30fps@1.3M
Multi-streaming	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection
Compatibility	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
Memory Slot	Micro SD card, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	2/1	2/1
Ingress Protection	--	--	--
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V/AC24V PoE (802.3af), 6.5W	DC12V/AC24V PoE (802.3af), 10W	DC12V/AC24V PoE (802.3af), 10W



NETWORK CAMERA

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Eco-Savvy 2.0 Series								
	Vari-Focal Bullet				Vari-Focal Dome			
Model	IPC-HFW5421E-Z	IPC-HFW5221E-Z	IPC-HFW5220E-Z	IPC-HFW5121E-Z	HDBW5421E-Z	IPC-HDBW5221E-Z	IPC-HDBW5220E-Z	IPC-HDBW5121E-Z
								
Image Sensor	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS
Lens	2.7~12mm/F1.4 Motorized	2.7~12mm/F1.4 Motorized	2.7~12mm/F1.4 Motorized	2.7~12mm/F1.4 Motorized	2.7~12mm/F1.4 Motorized	2.7~12mm/F1.4 Motorized	2.7~12mm/F1.4 Motorized	2.7~12mm/F1.4 Motorized
Angle of View	H: 99°~34°	H: 99°~34°	H: 99°~34°	H: 90°~29°	H: 99°~34°	H: 99°~34°	H: 99°~34°	H: 90°~29°
Min. Illumination	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.01Lux/F1.4(Color) 0Lux/F1.4(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	DWDR	120dB	120dB	120dB	DWDR	120dB
Max. IR Distance	50m	50m	50m	50m	50m	50m	50m	50m
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Resolution	4M(2688x1520)	1080P(1920x1080)	1080P(1920x1080)	1.3M(1280x960)	4M(2560x1440)	1080P(1920x1080)	1080P(1920x1080)	1.3M(1280x960)
Frame Rate	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	2/1	2/1	2/1	1/1	1/1	1/1	1/1
Ingress Protection	IP67	IP67	IP67	IP67	IP67, IK10	IP67, IK10	IP67, IK10	IP67, IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V(AC24V optional) PoE (802.3af), 10W	DC12V(AC24V optional) PoE (802.3af),10W	DC12V(AC24V optional) PoE (802.3af),10W	DC12V(AC24V optional) PoE (802.3af),10W	DC12V(AC24V optional) PoE (802.3af), 10W	DC12V(AC24V optional) PoE (802.3af), 10W	DC12V(AC24V optional) PoE (802.3af), 10W	DC12V(AC24V optional) PoE (802.3af), 10W

NETWORK CAMERA

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Eco-Savvy 2.0 Series								
	Fixed Small Bullet							
Model	IPC-HFW4421S	IPC-HFW4221S	IPC-HFW4220S	IPC-HFW4120S	IPC-HFW4421E	IPC-HFW4221E	IPC-HFW4220E	IPC-HFW4120E
								
Image Sensor	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS
Lens	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.1, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.1, 6mm/F2.0 optional Manual
Angle of View	H:84°(56°)	H:93°(63°)	H:84°(56°)	H:74°(47°)	H:84°(56°)	H:93°(63°)	H:84°(56°)	H:74°(47°)
Min. Illumination	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	DWDR	DWDR	120dB	120dB	DWDR	DWDR
Max. IR Distance	30m	30m	30m	30m	40m	40m	40m	40m
Video Compression	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Resolution	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)
Frame Rate	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection
Compatibility	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI
Audio In/Out	--	--	--	--	--	--	--	--
Memory Slot	--	--	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5.5W	DC12V, PoE (802.3af),4.5W	DC12V, PoE (802.3af),4.5W	DC12V, PoE (802.3af),6W	DC12V, PoE (802.3af),6.5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5.5W

NETWORK CAMERA

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Eco-Savvy 2.0 series								
	Fixed LXIR Bullet							
Model	IPC-HFW4421B	IPC-HFW4221B	IPC-HFW4220B	IPC-HFW4120B	IPC-HFW4421D	IPC-HFW4221D	IPC-HFW4220D	IPC-HFW4120D
								
Image Sensor	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.27MP Exmor CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS
Lens	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.1, 6mm/F2.0 optional Manual	6mm/F2.0, Manual	6mm/F2.0, Manual	6mm/F2.0, Manual	6mm/F2.0, Manual
Angle of View	H:81°(55°)	H:91°(63°)	83°(56°)	H:71°(46.5°)	H: 55°	H: 63°	H: 56°	H: 46.5°
Min. Illumination	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 (Color) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	DWDR	DWDR	120dB	120dB	DWDR	DWDR
Max. IR Distance	50m	50m	50m	50m	80m	80m	80m	80m
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Resolution	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)
Frame Rate	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene change, Face detect	Tripwire, Intrusion, Scene Change, Face Detection
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	--	--	--	--	--	--	--	--
Memory Slot	--	--	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4.5W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),5.5W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W

NETWORK CAMERA

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Eco-Savvy 2.0 Series								
	Fixed Mini-Dome				Wedge Dome			
Model	IPC-HDBW4421E(-AS)	IPC-HDBW4221E(-AS)	IPC-HDBW4220E(-AS)	IPC-HDBW4120E(-AS)	IPC-HDBW4421F(-AS)	IPC-HDBW4221F(-AS)	IPC-HDBW4220F(-AS)	IPC-HDBW4120F(-AS)
								
Image Sensor	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS
Lens	(3.6mm/F2.0, 2.8mm/F2.0 6mmF2.0 optional) Manual	(3.6mm/F2.0, 2.8mm/F2.0 6mmF2.0 optional) Manual	(3.6mm/F2.0, 2.8mm/F2.0 6mmF2.0 optional) Manual	3.6mm/F1.8, 2.8mm/F2.0 6mm/F1.8 optional	3.6mm/F1.8, 2.8mm/F2.0 6mm/F1.8 optional	3.6mm/F1.8, 2.8mm/F2.0 6mm/F1.8 optional	3.6mm/F1.8, 2.8mm/F2.0 6mm/F1.8 optional	3.6mm/F1.8, 2.8mm/F2.0 6mm/F1.8 optional
Angle of View	H: 83°(106°/56°)	H: 93°(120°/63°)	H: 83.5°(106°/55°)	H:74°(86°/47°)	H:84°(106°/56°)	H:93°(120°/63°)	H:84°(106°/56°)	H:74°(86°/47°)
Min. Illumination	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0 Color) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	DWDR	DWDR	120dB	120dB	DWDR	DWDR
Max. IR Distance	30m	30m	30m	30m	20m	20m	20m	20m
Video Compression	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Resolution	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)
Frame Rate	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection
Compatibility	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI
Audio In/Out	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1
Memory Slot	■ Micro SD, Max 128GB	■ Micro SD, Max 128GB	■ Micro SD, Max 128GB	■ Micro SD, Max 128GB	■ Micro SD Max 128GB	■ Micro SD, Max 128GB	■ Micro SD, Max 128GB	■ Micro SD, Max 128GB
Alarm In/Out	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1	■ 1/1
Ingress Protection	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10	IP67,IK10
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W

■ Available

NETWORK CAMERA

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Eco-Savvy 2.0 Series								
	Fixed Eyeball							
Model	IPC-HDW4421E	IPC-HDW4221E	IPC-HDW4220E	IPC-HDW4120E	IPC-HDW4421M	IPC-HDW4221M	IPC-HDW4220M	IPC-HFW4120M
								
Image Sensor	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS	1/3" 4MP CMOS	1/2.7" 2MP CMOS	1/2.8" 2MP Exmor R CMOS	1/3" 1.3MP Exmor CMOS
Lens	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 2.8mm/F2.0 6mm F2.0 optional) Manual	3.6mm/F2.0, 6mm/F2.0 optional Manual	3.6mm/F2.0, 2.8mm/F2.0 6mm F2.0 optional) Manual	3.6mm/F1.8, 2.8mm/F1.8 6mm F1.8 optional) Manual
Angle of View	H:81°(55°)	H:91°(63°)	H:83°(56°)	H:71°(46.5°)	H: 84°/106°/56°	H: 93°(63°)	H: 84°/106°/56°	H:74°(86°/47°)
Min. Illumination	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)	0.01Lux/F2.0(Color) 0Lux/F2.0(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	120dB	120dB	DWDR	DWDR	120dB	120dB	DWDR	DWDR
Max. IR Distance	50m	50m	50m	50m	30m	30m	30m	30m
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG
Max. Resolution	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	4M(2688×1520)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)
Frame Rate	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M	20fps@4M, 30fps@3M	30fps@1080P	30fps@1080P	30fps@1.3M
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene change, Face detect	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection	Tripwire, Intrusion, Scene Change, Face Detection
Compatibility	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI
Audio In/Out	--	--	--	--	--	--	--	--
Memory Slot	--	--	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W

NETWORK PTZ CAMERA

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Eco-savvy 2.0 Series						
	Outdoor IR PTZ Camera					
Model	SD6C230T-HN	SD6C220T-HN	SD6C120T-HN	SD59230T-HN	SD59220T-HN	SD59120T-HN
						
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS
Lens	4.5~135mm(30x Optical zoom)	4.7 ~ 94mm(20x Optical zoom)	4.7 ~ 94mm(20x Optical zoom)	4.5~135mm(30x Optical zoom)	4.7 ~ 94mm(20x Optical zoom)	4.7 ~ 94mm(20x Optical zoom)
Angle of View	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°
Min. Illumination	0.05Lux/F1.6(Color), 0Lux/F1.6 (IR on)	0.05Lux/F1.4(Color), 0Lux/F1.4 (IR on)	0.05Lux/F1.4(Color), 0Lux/F1.4 (IR on)	0.05Lux/F1.6(Color), 0Lux/F1.6 (IR on)	0.05Lux/F1.4(Color), 0Lux/F1.4 (IR on)	0.05Lux/F1.4(Color), 0Lux/F1.4 (IR on)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Max. IR Distance	100m	100m	100m	100m	100m	100m
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)
Frame Rate	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1.3M/ 720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1.3M/ 720P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -15° ~ 90°, Auto flip 180°
Preset Speed	Pan: 240° /s; Tilt: 200° /s	Pan: 240° /s; Tilt: 200° /s	Pan: 240° /s; Tilt: 200° /s	Pan: 400° /s; Tilt: 300° /s	Pan: 400° /s; Tilt: 300° /s	Pan: 400° /s; Tilt: 300° /s
Intelligent Video	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IP66	IP66	IP66	IP66	IP66	IP66
WorkingTemperature	-40°C~+60°C	-40°C~+60°C	-40°C~+60°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C
Power	AC 24V	AC 24V	AC 24V	AC24V, PoE+(802.3at)	AC24V, PoE+(802.3at)	AC24V, PoE+(802.3at)

NETWORK PTZ CAMERA

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Eco-Savvy 2.0 Series						
	Outdoor PTZ Camera					
Model	SD60230T-HN	SD60220T-HN	SD60120T-HN	SD50230T-HN	SD50220T-HN	SD50120T-HN
						
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS
Lens	4.5~135mm(30x Optical zoom)	4.7 ~ 94.0mm(20x Optical zoom)	4.7 ~ 94.0mm(20x Optical zoom)	4.5~135mm(30x Optical zoom)	4.7 ~ 94.0mm(20x Optical zoom)	4.7 ~ 94.0mm(20x Optical zoom)
Angle of View	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°
Min. Illumination	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.4(Color) 0.005Lux/F1.4(B/W)	0.05Lux/F1.4(Color) 0.005Lux/F1.4(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.4(Color) 0.005Lux/F1.4(B/W)	0.05Lux/F1.4(Color) 0.005Lux/F1.4(B/W)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Max. IR Distance	-	-	-	-	-	-
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)
Frame Rate	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1.3M/ 720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1.3M/ 720P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90° Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90° Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: -15° ~ 90° Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90° Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90° Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless; Tilt: 0° ~ 90° Auto flip 180°
Preset Speed	Pan: 650° /s; Tilt: 500° /s	Pan: 650° /s; Tilt: 500° /s	Pan: 650° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s
Intelligent Video	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	7/2	7/2	7/2	2/1	2/1	2/1
Ingress Protection	IP67,IK10	IP67,IK10	IP67,IK10	IP67, IK10	IP67, IK10	IP67, IK10
WorkingTemperature	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C ~ +60°C	-40°C ~ +60°C	-40°C ~ +60°C
Power	AC24V, PoE+ (802.3at)	AC24V, PoE+(802.3at)	AC24V, PoE+ (802.3at)	AC24V, PoE+(802.3at)	AC24V, PoE+(802.3at)	AC24V, PoE+(802.3at)

NETWORK PTZ CAMERA

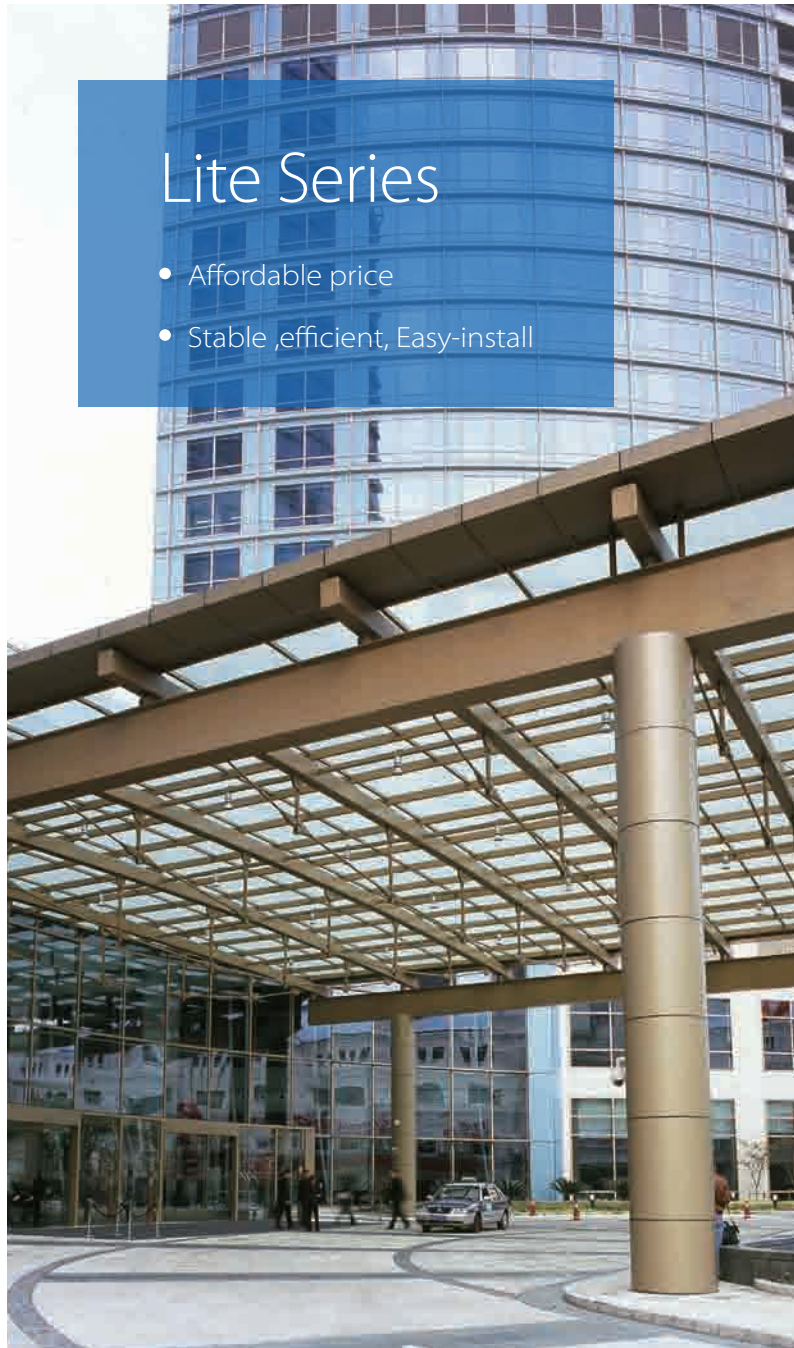
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Eco-Savvy 2.0 Series							
	Indoor PTZ Camera			Outdoor PTZ Camera	Indoor PTZ Camera		Mini PTZ Camera
Model	SD52C230T-HN	SD52C220T-HN	SD52C120T-HN	SD40212T-HN	SD42212T-HN	SD42C212T-HN	SD32203S-HN
							
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp CMOS	1/2.8" 2Mp CMOS	1/2.8" 2Mp CMOS	1/2.8" 2Mp Exmor CMOS
Lens	4.5~135mm(30x Optical zoom)	4.7 ~ 94.0mm(20x Optical zoom)	4.7 ~ 94.0mm(20x Optical zoom)	5.1~61.2mm (12x Optical zoom)	5.1~61.2mm (12x Optical zoom)	5.1~61.2mm (12x Optical zoom)	3.0 ~ 9.0mm(3x Optical zoom)
Angle of View	H: 67.8° ~ 2.77°	H: 54.1° ~ 3.2°	H: 54.1° ~ 3.2°	H: 59.3° ~ 5.4°	H: 59.3° ~ 5.4°	H: 59.3° ~ 5.4°	H: 98.4° ~ 29.7°
Min. Illumination	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.4(Color) 0.005Lux/F1.4(B/W)	0.05Lux/F1.4(Color) 0.005Lux/F1.4(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)
WDR	DWDR	DWDR	DWDR	120dB	120dB	120dB	DWDR
Max. IR Distance	-	-	-	-	-	-	-
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1.3M/ 720P	30fp@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P
Multi-streaming	3 streams	3 streams	3 streams	3 streams	3 streams	3 streams	2 streams
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° endless Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: 0° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -2° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -2° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -2° ~ 90°, Auto flip 180°	300 Presets, Pan: 0° ~ 360° endless Tilt: -2° ~ 90°, Auto flip 180°
Preset Speed	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 500° /s; Tilt: 500° /s	Pan: 300°/s; Tilt:200°/s	Pan: 300°/s; Tilt:200°/s	Pan: 300°/s; Tilt:200°/s	Pan: 240°/s; Tilt: 160°/s
Intelligent Video	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	-
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	2/1	2/1	2/1	2/1	2/1	2/1	2/1
Ingress Protection	IK10	IK10	IK10	IP66, IK10	IP66, IK10	IK10	IP66,IK10
WorkingTemperature	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-40°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C~+60°C
Power	AC24V, PoE+ (802.3at)	AC24V, PoE+(802.3at)	AC24V, PoE+ (802.3at)	AC24V, PoE+(802.3at)	AC24V, PoE+(802.3at)	AC24V, PoE+(802.3at)	DC12V, PoE(802.3af)

NETWORK PTZ CAMERA

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Eco-Savvy 2.0 Series							
	Mini PTZ Camera		IR Housing Zoom Camera		Zoom Camera		
	SD29204S-GN	SD22204T-GN	SDZW1020S-N	SDZW2030S-N	SDZ1020S-N	SDZ2020S-N	SDZ2030S-N
Model	 reddot award 2015 winner						
Image Sensor	1/2.8" 2Mp Exmor CMOS	1/2.7" 2Mp CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/3" 1.3Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS	1/2.8" 2Mp Exmor CMOS
Lens	2.7~11mm(4x Optical zoom)	2.7~11mm(4x Optical zoom)	4.7~94mm(20x Optical zoom)	4.3~129mm(30x Optical zoom)	4.7~94mm(20x Optical zoom)	5.5~110mm(20x Optical zoom)	4.3~129mm(30x Optical zoom)
Angle of View	H: 112.5° ~ 39°	H: 112.5° ~ 39°	H: 54.1° ~ 3.2°	H: 65.1° ~ 2.34°	H: 54.1° ~ 3.2°	H: 51° ~ 2.6°	H: 65.1° ~ 2.34°
Min. Illumination	0.05Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.06Lux/F1.4(Color) 0Lux/1.4(IR on)	0.05Lux/F1.6(Color) 0Lux/1.6(IR on)	0.06Lux/F1.4(Color) 0.005Lux/1.4(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)
WDR	DWDR	120dB	DWDR	DWDR	DWDR	DWDR	DWDR
Max. IR Distance	30m	-	100m	100m	-	-	-
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
Max. Resolution	1080P(1920×1080)	1080P(1920×1080)	1.3M(1280×960)	1080P(1920×1080)	1.3M(1280×960)	1080P(1920×1080)	1080P(1920×1080)
Frame Rate	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P	30fps@1.3M/ 720P	30fps@1080P, 60fps@720P	30fps@1.3M/ 720P	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P
Multi-streaming	2 streams	3 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° limited; Tilt: 0° ~ 90°	300 Presets, Pan: 0° ~ 355° Tilt: 0° ~ 90°	-	-	-	-	-
Preset Speed	Pan: 100° /s; Tilt: 60° /s	Pan: 100° /s; Tilt: 60° /s	-	-	-	-	-
Intelligent Video	-	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection	-	-	-	-	-
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	Built-in Mic	-	1/1	1/1	1/1	1/1	1/1
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 128GB
Alarm In/Out	-	-	2/1	2/1	2/1	2/1	2/1
Ingress Protection	-	IP66, IK10	IP66	IP66	-	-	-
WorkingTemperature	-30°C~+60°C	-30°C~+60°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C
Power	DC12V, PoE(802.3af)	DC12V, PoE(802.3af)	AC24V(DC12V optional)	AC24V(DC12V optional)	AC24V(DC12V optional) PoE(802.3af)	AC24V(DC12V optional) PoE(802.3af)	AC24V(DC12V optional) PoE(802.3af)



Lite Series

- Affordable price
- Stable ,efficient, Easy-install

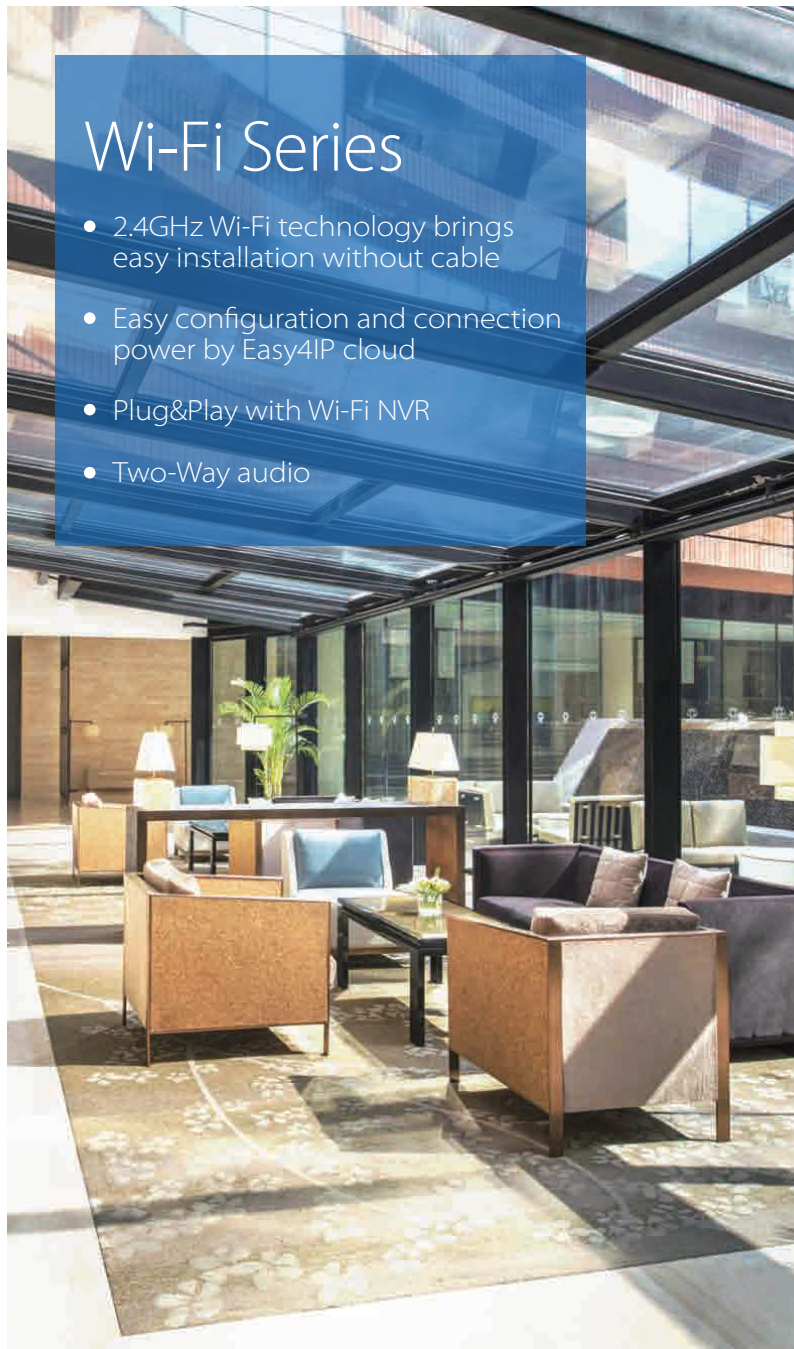
Lite Series				
	Vari-Focal Bullet			
	IPC-HFW2300R-VF/Z	IPC-HFW2201R-VFS/ZS	IPC-HFW2200R-VF/Z	IPC-HFW2101R-VFS/ZS
Model				
Image Sensor	1/3" 3MP CMOS	1/3" 2MP CMOS	1/2.8" 2MP CMOS	1/3" 1.3MP CMOS
Lens	2.7mm~12mm/F1.4 Manual(-VF), Motorized(-Z)	2.7mm~12mm/F1.4 Manual(-VFS), Motorized(-ZS)	2.7mm~12mm/F1.4 Manual(-VF), Motorized(-Z)	2.7mm~12mm/F1.4 Manual(-VFS), Motorized(-ZS)
Angle of View	H: 92°~ 28°	H: 78°~ 28°	H: 98°~ 30°	H: 87°~ 32°
Min. Illumination	0. 1Lux/F1.4 (Color) 0Lux/F1.4(IR on)	0. 1Lux/F1.4 (Color) 0Lux/F1.4(IR on)	0. 1Lux/F1.4 (Color) 0Lux/F1.4(IR on)	0. 1Lux/F1.4 (Color) 0Lux/F1.4(IR on)
Day/Night	ICR	ICR	ICR	ICR
WDR	DWDR	120dB	DWDR	120dB
Max. IR Distance	30m	30m	30m	30m
Video Compression	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG
Max. Resolution	3M(2048x1536)	1080P(1920x1080)	1080P(1920x1080)	1.3M(1280x960)
Frame Rate	20fps@3M, 30fps@1080P	30fps@1080P	30fps@1080P	30fps@1.3M
Multi-streaming	2 streams	2 streams	2 streams	2 streams
Intelligent Video	--	--	--	--
Compatibility	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI
Audio In/Out	--	--	--	--
Memory Slot	--	Micro SD, Max 64GB	--	Micro SD, Max 64GB
Alarm In/Out	--	--	--	--
Ingress Protection	IP66	IP66	IP66	IP66
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V/PoE (802.3af),4.5W	DC12V/PoE (802.3af),4.5W	DC12V/PoE (802.3af),4.5W	DC12V,PoE (802.3af),4W

NETWORK CAMERA

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Lite Series								
	Vari-Focal Bullet	Vari-Focal Dome						
Model	IPC-HFW2100R-VF/Z	IPC-HDBW2300R-VF/Z	IPC-HDBW2201R-VFS/ZS	IPC-HDBW2200R-VF/Z	IPC-HDBW2101R-VFS/ZS	IPC-HDBW2100R-VF/Z	IPC-HDW2220R-Z	IPC-HDW2120R-Z
								
Image Sensor	1/3" 1.3MP CMOS	1/3" 3MP CMOS	1/3" 2MP Aptina CMOS	1/2.8" 2MP CMOS	1/3" 1.3MP CMOS	1/3" 1.3MP CMOS	1/3" 2MP CMOS	1/3" 1.3MP CMOS
Focal Length	2.7mm~12mm/F1.4 Manual(-VF), Motorized(-Z)	2.7mm~12mm/F1.4 Manual(-VF), Motorized(-Z)	2.7mm~12mm/F1.4 Manual(-VFS), Motorized(-ZS)	2.7mm~12mm/F1.4 Manual(-VF), Motorized(-Z)	2.7mm~12mm/F1.4 Manual(-VFS), Motorized(-ZS)	2.7mm~12mm/F1.4 Manual(-VF), Motorized(-Z)	2.7mm~12mm/F1.4 Motorized	2.7mm~12mm/F1.4 Motorized
Angle of View	H: 92°~28°	H: 92°~28°	H: 82°~28°	H: 98°~30°	H: 87.5°~32°	H: 92°~28°	H: 99°~37°	H: 90°~29°
Min. Illumination	0.1Lux/F1.4 (Color) 0Lux/F1.4(IR on)	0.1Lux/F1.4 (Color) 0Lux/F1.4(IR on)	0.1Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.1Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.1Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.1Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.1Lux/F1.4(Color) 0Lux/F1.4(IR on)	0.1Lux/F1.4(Color) 0Lux/F1.4(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR	ICR	ICR
WDR	DWDR	DWDR	120dB	DWDR	120dB	DWDR	DWDR	DWDR
Max. IR Distance	30m	30m	30m	30m	30m	30m	60m	60m
Video Compression	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG
Max. Resolution	1.3M(1280x960)	3M(2048x1536)	1080P(1920x1080)	1080P(1920x1080)	1.3M(1280x960)	1.3M(1280x960)	1080P(1920x1080)	1.3M(1280x960)
Frame Rate	30fps@1.3M	20fps@3M, 30fps@1080P	30fps@1080P	30fps@1080P	30fps@1.3M	30fps@1.3M	30fps@1080P	30fps@1.3M
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Intelligent Video	--	--	--	--	--	--	--	--
Compatibility	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI	ONVIF(2.4),PSIA,CGI
Audio In/Out	--	--	--	--	--	--	--	--
Memory Slot	--	--	Micro SD, Max 64GB	--	Micro SD, Max 64GB	--	--	--
Alarm In/Out	--	--	--	--	--	--	--	--
Ingress Protection	IP66	IP66,IK10	IP66,IK10	IP66,IK10	IP66,IK10	IP66,IK10	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V,PoE (802.3af),4.5W	DC12V, PoE (802.3af),4.5W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4.5W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af),4W	DC12V, PoE (802.3af), 7.5W	DC12V, PoE (802.3af), 7.5W

Lite Series						
	Fixed Bullet			Fixed Eyeball		
	IPC-HFW1320S	IPC-HFW1220S	IPC-HFW1120S	IPC-HDW1320S	IPC-HDW1220S	IPC-HDW1120S
Model						
Image Sensor	1/3" 3MP CMOS	1/2.7" 2MP CMOS	1/3" 1.3MP CMOS	1/3" 3MP CMOS	1/2.7" 2MP CMOS	1/3" 1.3MP CMOS
Lens	3.6mm/F2.1, 6mm/F1.9 optional Manual	3.6mm/F2.1, 6mm/F1.9 optional Manual	3.6mm/F2.1, 6mm/F2.6 optional Manual	3.6mm/F2.1, 2.8mm/F2.0 6mm/F1.9 optional Manual	3.6mm/F2.1, 6mm/F2.0 optional Manual	3.6mm/F2.1, 2.8mm/F2.0 6mm/F1.9 optional Manual
Angle of View	H: 81°(55°)	H: 93°(63°)	H: 71°(48°)	H: 81°(92°/55°)	H: 93°(63°)	H: 71°(89°/47°)
Min. Illumination	0.1Lux/F2.1(Color) 0Lux/F2.1(IR on)	0.1Lux/F2.1(Color) 0Lux/F2.1(IR on)	0.1Lux/F2.1(Color) 0Lux/F2.1(IR on)	0.1Lux/F2.1(Color) 0Lux/F2.1(IR on)	0.1Lux/F2.1(Color) 0Lux/F2.1(IR on)	0.1Lux/F2.1(Color) 0Lux/F2.1(IR on)
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	DWDR
Max. IR Distance	30m	30m	30m	30m	30m	30m
Video Compression	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG
Max. Resolution	3M(2048×1536)	1080P(1920×1080)	1.3M(1280×960)	3M(2048×1536)	1080P(1920×1080)	1.3M(1280×960)
Frame Rate	20fps@3M, 30fps@1080P	30fps@1080P	30fps@1.3M	20fps@3M, 30fps@1080P	30fps@1080P	30fps@1.3M
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	2 streams
Intelligent Video	--	--	--	--	--	--
Compatibility	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI
Audio In/Out	--	--	--	--	--	--
Memory Slot	--	--	--	--	--	--
Alarm In/Out	--	--	--	--	--	--
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C
Power	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af),5W	DC12V, PoE (802.3af), 4W	DC12V, PoE (802.3af), 4W	DC12V, PoE (802.3af), 4W

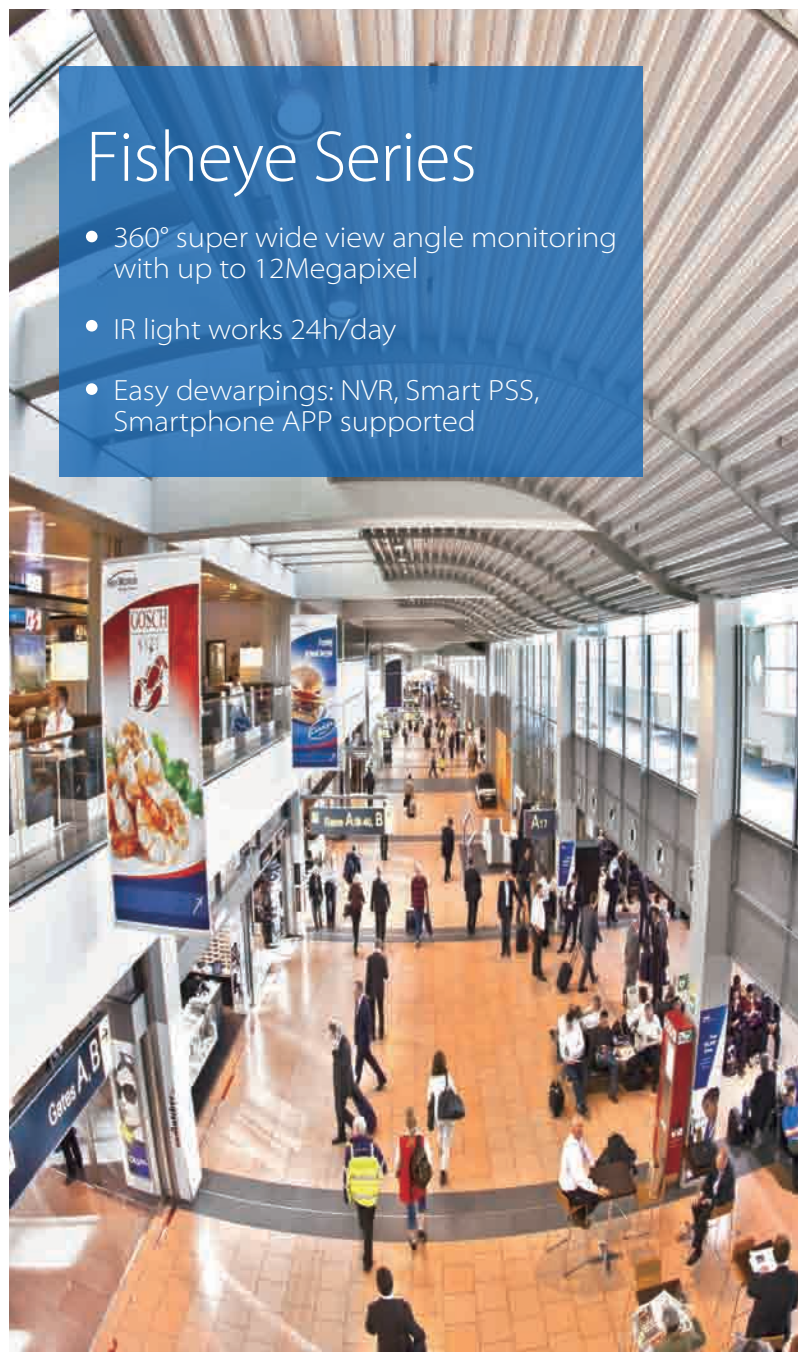


Wi-Fi Series				
	Wi-Fi Cube			PT Camera
	IPC-KW12W	IPC-KW100W	IPC-K200W	IPC-AW12W
Model				
Image Sensor	1/4" 1MP CMOS	1/3" 1.3MP CMOS	1/2.8" 2MP CMOS	1/4" 1MP CMOS
Lens	3.6mm (2.8mm optional)	3.6mm (2.8mm optional)	3.6mm	3.6mm
Angle of View	H: 70°(89°)	H: 70°(92°)	H: 87°	H:59°
Day/Night	ICR	ICR	ICR	ICR
WDR	DWDR	DWDR	DWDR	DWDR
Max. IR Distance	10m	10m	10m	10m
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Resolution	720P(1280x720)	1.3M(1280x960)	1080P(1920x1080)	720P(1280x720)
Frame Rate	30fps@720P	30fps@1.3M	30fps@1080P	30fps@720P
Multi-streaming	2 streams	2 streams	2 streams	2 streams
Pan/ Tilt Range	--	--	--	Pan: 0°~±180° Tilt: 0°~90°, 25 Preset
Compatibility	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI
Audio In/Out	Built-in Mic/Speaker	Built-in Mic/Speaker	Built-in Mic/Speaker	Built-in Mic/Speaker
Memory Slot	Micro SD, 64GB	Micro SD, 64GB	Micro SD, 64GB	Micro SD, 64GB
Alarm In/Out	--	1/1	1/1	--
Wi-Fi	Wi-Fi(IEEE802.11b/g/n) 50m(open field)	Wi-Fi(IEEE802.11b/g/n) 50m(open field)	Wi-Fi(IEEE802.11b/g/n) 50m(open field)	Wi-Fi(IEEE802.11b/g/n) 30m(open field)
Wi-Fi Smart Config	Yes	No	No	Yes
Ingress Protection	--	--	--	--
Working Temperature	-30°C~+50°C	-30°C~+50°C	-30°C~+50°C	-10°C~+45°C
Power	DC12V, 4W	DC12V, 4W	DC12V, 5W	DC5V, 7.5W

NETWORK CAMERA / NETWORK PTZ CAMERA

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Wi-Fi Series								
	Wi-Fi Cube	Wi-Fi Fixed Mini Bullet		Wi-Fi Fixed Mini Dome			Mini PTZ Camera	
	IPC-C10	IPC-HFW1200E-W	IPC-HFW1000E-W	IPC-HDBW1200E-W	IPC-HDBW1000E-W		SD29204S-GN-W	SD22204T-GN-W
Model						Model	 reddot award 2015 winner	
Image Sensor	1/4" 1MP CMOS	1/3" 3MP CMOS	1/4" 1MPCMOs	1/3" 3MP CMOS	1/4" 1MP CMOS	Image Sensor	1/2.8" 2Mp Exmor CMOS	1/2.7" 2Mp CMOS
Lens	3.3mm	3.6mm(6mm optional)	3.6mm (6mm optional)	3.6mm (2.8mm, 6mm optional)	3.6mm (2.8mm, 6mm optional)	Lens	2.7~11mm(4x Optical zoom)	2.7~11mm(4x Optical zoom)
Angle of View	H:57°	H: 73°(45°)	H: 70°(47°)	H:73°(90°/45°)	H:70°(89°/47°)	Angle of View	H: 112.5° ~ 39°	H: 112.5° ~ 39°
Day/Night	ICR	ICR	ICR	ICR	ICR	Min. Illumination	0.05Lux/F1.6(Color) 0Lux/F1.6 (IR on)	0.05Lux/F1.6(Color) 0.005Lux/F1.6(B/W)
WDR	DWDR	DWDR	DWDR	DWDR	DWDR	WDR	DWDR	120dB
Max. IR Distance	5m	30m	30m	30m	30m	Max. IR Distance	30m	-
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	Video Compression	H.264 / MJPEG	H.264 / MJPEG
Max. Resolution	720P(1280x720)	1080P(1920x1080)	720P(1280x720)	1080P(1920x1080)	720P(1280x720)	Max. Resolution	1080P(1920 x 1080)	1080P(1920x1080)
Frame Rate	30fps@720P	30fps@1080P	30fps@720P	30fps@1080P	30fps@720P	Frame Rate	30fps@1080P, 60fps@720P	30fps@1080P, 60fps@720P
Multi-streaming	2 streams	2 streams	2 streams	2 streams	2 streams	Multi-streaming	2 streams	3 streams
Pan/ Tilt Range	--	--	--	--	--	Pan/Tilt/Zoom	300 Presets, Pan: 0° ~ 360° limited Tilt: 0° ~ 90°	300 Presets, Pan: 0° ~ 355° Tilt: 0° ~ 90°
Compatibility	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI	ONVIF(2.4), CGI	Preset Speed	Pan: 100° /s; Tilt: 60° /s	Pan: 100° /s; Tilt: 60° /s
Audio In/Out	Built-in Mic/Speaker	--	--	--	--	Intelligent Video	-	Tripwire, Intrusion, Abandoned Object Detection, Missing Object Detection, Face Detection
Memory Slot	Micro SD, 64GB	--	--	--	--	Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Alarm In/Out	--	--	--	--	--	Audio In/Out	Built-in Mic	-
Wi-Fi	Wi-Fi (IEEE802.11b/g/n) 30m(open field)	Wi-Fi (IEEE802.11b/g/n) 50m(open field)	Wi-Fi (IEEE802.11b/g/n) 50m(open field)	Wi-Fi (IEEE802.11b/g/n) 50m(open field)	Wi-Fi (IEEE802.11b/g/n) 50m(open field)	Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB
Wi-Fi Smart Config	Yes	Yes	Yes	Yes	Yes	Alarm In/Out	-	-
Ingress Protection	--	IP66	IP66	IP66, IK10	IP66, IK10	Wi-Fi	Wi-Fi (IEEE802.11b/g/n) 50m(open field)	Wi-Fi (IEEE802.11b/g/n) 50m(open field)
Working Temperature	-20°C~-45°C	-30°C~+50°C	-30°C~+50°C	-30°C~+50°C	-30°C~+50°C	Ingress Protection	-	IP66 , IK10
Power	DC5V, 3W	DC12V, 7W	DC12V, 6.5W	DC12V, 4.5W	DC12V, 4W	Working Temperature	-30°C~+60°C	-30°C~+60°C
						Power	DC12V	DC12V



Fisheye Series

	Fisheye		
	IPC-EBW81200	IPC-EBW8600	IPC-EB5400
Model			
Image Sensor	1/2.3" 12M Exmor R CMOS	1/1.8" 6M Exmor R CMOS	1/3" 4M CMOS
Lens	1.57mm/F2.2, Manual	1.55mm/F2.2, Manual	1.18mm/F2.0, Manual
Angle of View	185°/185°/185°	185°/185°/185°	185°/185°/185°
Min. Illumination	0.01Lux/F2.2(Color), 0Lux/F2.2(IR on)	0.01Lux/F2.2(Color), 0Lux/F2.2(IR on)	0.01Lux/F2.2(Color), 0Lux/F2.2(IR on)
Max. IR Distance	10m	10m	10m
Day/Night	ICR	ICR	ICR
WDR	DWDR	DWDR	DWDR
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Resolution	12M(4000×3000)	6M(3072×2048)	4M(2592×1520)
Frame Rate	15fps@12M, 30fps@3M	30fps@6M	15fps@4M, 30fps@1080P
Multi-streaming	3 streams	3 streams	3 streams
Intelligent Video	Tripwire, Intrusion, Heat Map	Tripwire, Intrusion, Heat Map	Heat Map
Correct Mode	10;1P+3R;2P;2R;10+2R;10+3R;4R; 10+4R;1P+6R;10+8R	10;1P+3R;2P;2R;10+2R;10+3R;4R; 10+4R;1P+6R;10+8R	10;1P+3R;2P;2R;10+2R;10+3R;4R; 10+4R;1P+6R;10+8R
Compatibility	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI	ONVIF(2.4), PSIA, CGI
Audio In/Out	1/1, Built-in Mic	1/1, Built-in Mic	1/1, Built-in Mic
Memory Slot	Micro SD, Max 128GB	Micro SD, Max 128GB	Micro SD, Max 64GB
Alarm In/Out	2/1	2/1	1/1
Ingress Protection	IP67, IK10	IP67, IK10	IK10
Power	DC12V, PoE (802.3af), 13W	DC12V, PoE (802.3af), 13W	DC12V, PoE (802.3af), 6W
Working Temperature	-30°C~+60°C	-30°C~+60°C	-30°C~+60°C

NETWORK VIDEO RECORDER



NETWORK VIDEO RECORDER

Ultra NVR						
	NVR724DR-256	NVR724R-256	NVR724D-256	NVR724-256	NVR616DR-128-4K	NVR616R-128-4K
Model						
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
IP Video Inputs	256 channel	256 channel	256 channel	256 channel	128 channel	128 channel
Max Input/Record	512Mbps / 512Mbps	512Mbps / 512Mbps	512Mbps / 512Mbps	512Mbps / 512Mbps	384Mbps / 256Mbps	384Mbps / 256Mbps
Max Decoding	20ch@1080P (Optional: 52ch@1080P)	20ch@1080P (Optional: 52ch@1080P)	20ch@1080P (Optional: 52ch@1080P)	20ch@1080P (Optional: 52ch@1080P)	4ch@4K / 16ch@1080P	4ch@4K / 16ch@1080P
Display	2HDMI, VGA, LCD (Optional: 10HDMI+VGA)	2HDMI, VGA (Optional: 10HDMI+VGA)	2HDMI, VGA, LCD (Optional: 10HDMI+VGA)	2HDMI, VGA (Optional: 10HDMI+VGA)	2HDMI, VGA, LCD	2HDMI, VGA
Max HDD	24×6TB	24×6TB	24×6TB	24×6TB	16×6TB	16×6TB
RAID	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60
eSATA/Mini SAS	1/2	1/2	1/2	1/2	1/1	1/1
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	4/4	4/4	4/4	4/4	16/8	16/8
Ethernet	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface	4 Gigabit Ports, 2 Gigabit Fiber Optical Interface
PoE	--	--	--	--	--	--
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	1 USB3.0, 3 USB2.0	1 USB3.0, 3 USB2.0
Power	AC 100V~240V, 47~63Hz, Redundant 200~400W(Without HDD)	AC 100V~240V, 47~63Hz, Redundant 200~400W(Without HDD)	AC 100V~240V, 47~63Hz 200~400W(Without HDD)	AC 100V~240V, 47~63Hz 200~400W(Without HDD)	AC100V~240V, 50~60Hz, Redundant <51W(Without HDD)	AC100V~240V, 50~60Hz, Redundant <51W(Without HDD)
Star Features	IVS, Fisheye Dewarp	IVS, Fisheye Dewarp	IVS, Fisheye Dewarp	IVS, Fisheye Dewarp	IVS, Fisheye Dewarp, POS	IVS, Fisheye Dewarp, POS

NETWORK VIDEO RECORDER

Ultra NVR

[illegible]

NETWORK VIDEO RECORDER

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Ultra NVR					
	NVR608R-128-4K	NVR608-128-4K	NVR608R-64-4K	NVR608-64-4K	NVR608-32-4K
Model					
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
IP Video Inputs	128 channel	128 channel	64 channel	64 channel	32 channel
Max Input/Record	384Mbps / 256Mbps	384Mbps / 256Mbps	384Mbps / 256Mbps	384Mbps / 256Mbps	384Mbps / 256Mbps
Max Decoding	4ch@4K / 16ch@1080P	4ch@4K / 16ch@1080P	4ch@4K / 16ch@1080P	4ch@4K / 16ch@1080P	16ch@1080P
Display	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA
Max HDD	8×6TB	8×6TB	8×6TB	8×6TB	8×6TB
RAID	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60	0/1/5/6/10/50/60
eSATA/Mini SAS	1/-	1/-	1/-	1/-	1/-
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/8	16/8	16/8	16/8	16/8
Ethernet	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports
PoE	--	--	--	--	--
USB	1 USB3.0, 3 USB2.0	1 USB3.0, 3 USB2.0	1 USB3.0, 3 USB2.0	1 USB3.0, 3 USB2.0	1 USB3.0, 3 USB2.0
Power	AC100V~240V, 50~60Hz, Redundant <40W(Without HDD)	AC100V~240V, 50~60Hz <40W(Without HDD)	AC100V~240V, 50~60Hz, Redundant <40W(Without HDD)	AC100V~240V, 50~60Hz <40W(Without HDD)	AC100V~240V, 50~60Hz <40W(Without HDD)
Star Features	IVS, Fisheye Dewarp, POS	IVS, Fisheye Dewarp, POS	IVS, Fisheye Dewarp, POS	IVS, Fisheye Dewarp, POS	IVS, Fisheye Dewarp, POS

NETWORK VIDEO RECORDER

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Beneficio H.265 NVR					
	NVR4832-4K	NVR4816-4K	NVR4808-4K	NVR4832-16P-4K	NVR4816-16P-4K
Model	 	 	 	 	 
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
IP Video Inputs	32 channel	16 channel	8 channel	32 channel	16 channel
Max Input/Record	256Mbps / 192Mbps	256Mbps / 192Mbps	256Mbps / 192Mbps	256Mbps / 192Mbps	256Mbps / 192Mbps
Max Decoding	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P
Display	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA
Max HDD	8×6TB	8×6TB	8×6TB	8×6TB	8×6TB
RAID	--	--	--	--	--
eSATA/Mini SAS	1/-	1/-	1/-	1/-	1/-
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/6	16/6	16/6	16/6	16/6
Ethernet	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port
PoE	--	--	--	16 ports (IEEE802.3at/af)	16 ports (IEEE802.3at/af)
USB	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0	2 USB3.0, 2 USB2.0
Power	AC 100~240V, 50/60 Hz 18.8W(Without HDD)	AC 100~240V, 50/60 Hz 18.8W(Without HDD)	AC 100~240V, 50/60 Hz 18.8W(Without HDD)	AC100V~240V, 50~60Hz 27.9W(Without HDD), 150W for PoE	AC100V~240V, 50~60Hz 27.9W(Without HDD), 150W for PoE
Star Features	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp

NETWORK VIDEO RECORDER

Beneficio H.265 NVR					
	NVR4432-4K	NVR4416-4K	NVR4408-4K	NVR4432-16P-4K	NVR4416-16P-4K
Model	 	 	 	 	 
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
IP Video Inputs	32 channel	16 channel	8 channel	32 channel	16 channel
Max Input/Record	256Mbps / 192Mbps	256Mbps / 192Mbps	256Mbps / 192Mbps	256Mbps / 192Mbps	256Mbps / 192Mbps
Max Decoding	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P	4CH@4MP/ 4CH H.264@1080P+4CH H.265@1080P
Display	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA	2HDMI, VGA
Max HDD	4x6TB	4x6TB	4x6TB	4x6TB	4x6TB
RAID	--	--	--	--	--
eSATA/Mini SAS	1/-	1/-	1/-	1/-	1/-
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/6	16/6	16/6	16/6	16/6
Ethernet	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port
PoE	--	--	--	16 ports (IEEE802.3at/af)	16 ports (IEEE802.3at/af)
USB	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0	2 USB3.0, 1 USB2.0
Power	AC 100~240V, 50/60 Hz 17W(Without HDD)	AC 100~240V, 50/60 Hz 17W(Without HDD)	AC 100~240V, 50/60 Hz 17W(Without HDD)	AC 100~240V, 50/60 Hz 26.5W(Without HDD), 150W for PoE	AC 100~240V, 50/60 Hz 26.5W(Without HDD), 150W for PoE
Star Features	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp	Plug&play, POS, P2P, IVS, Fisheye Dewarp

NETWORK VIDEO RECORDER

Beneficio H.265 NVR

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NETWORK VIDEO RECORDER

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Beneficio NVR					
	NVR4832	NVR4816	NVR4808	NVR4832-16P	NVR4816-16P
Model					
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
IP Video Inputs	32 channel	16 channel	8 channel	32 channel	16 channel
Max Input/Record	200Mbps / 200Mbps	200Mbps / 200Mbps	200Mbps / 200Mbps	200Mbps / 200Mbps	200Mbps / 200Mbps
Max Decoding	4CH@4MP/8CH@1080P	4CH@4MP/8CH@1080P	4CH@4MP/8CH@1080P	4CH@4MP/8CH@1080P	4CH@4MP/8CH@1080P
Display	HDMI, VGA, TV	HDMI, VGA, TV	HDMI, VGA, TV	HDMI, VGA, TV	HDMI, VGA, TV
Max HDD	8×4TB	8×4TB	8×4TB	8×4TB	8×4TB
RAID	--	--	--	--	--
eSATA/Mini SAS	1/-	1/-	1/-	1/-	1/-
Audio In/out	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way	1/1, 2-way
Alarm In/Out	16/4	16/4	16/4	16/4	16/4
Ethernet	2 Gigabit Ports	2 Gigabit Ports	2 Gigabit Ports	1 Gigabit Port	1 Gigabit Port
PoE	--	--	-	16 ports (IEEE802.3at/af)	16 ports (IEEE802.3at/af)
USB	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0	1 USB3.0, 2 USB2.0
Power	AC 100V~240V,50/60HZ 40W(Without HDD)	AC 100V~240V,50/60HZ 40W(Without HDD)	AC 100V~240V,50/60HZ 40W(Without HDD)	AC 100V~240V,50/60HZ 40W(Without HDD), 150W for PoE	AC 100V~240V,50/60HZ, 40W(Without HDD), 150W for PoE
Star Features	Plug&play, POS, P2P	Plug&play, POS, P2P	Plug&play, POS, P2P	Plug&play, POS, P2P	Plug&play, POS, P2P

NETWORK VIDEO RECORDER

Beneficio NVR	
Beneficio NVR	

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Beneficio NVR

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NETWORK VIDEO RECORDER

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ACCESSORIES

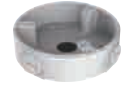


Accessories

HFxxE Series		
		
Model	PFB110W	PFB121W
Mount	Wall / ceiling / plane mount	Wall mount

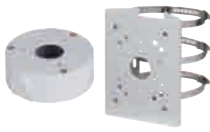
HFWxxE Series		
		
Model	PFA121	PFA121+PFA152
Mount	Junction box	Pole mount

HFWxxR Series		
		
Model	PFA135	PFA135+PFA150
Mount	Junction box	Pole mount

HDBWxxR / HDWxxR-Z Series			
			
Model	PFA137	PFB203W	PFB203W+PFA152
Mount	Junction box	Wall mount	Pole mount

HDWxxM Series			
			
Model	PFA121	PFB204W	PFB204W+PFA152
Mount	Junction box	Wall mount	Pole mount

HDBWxxE / HDWxxE / HDWxxS Series			
			
Model	PFA136	PFB203W	PFB203W+PFA152
Mount	Junction box	Wall mount	Pole mount

HFWxxS Series		
		
Model	PFA134	PFA134+PFA150
Mount	Junction box	Pole mount

HDBWxxE-Z Series				
				
Model	PFA138	PFA101+PFB302S	PFA101+PFB302S+PFA152	PFA101+PFB300C
Mount	Junction box	Wall mount	Pole mount	Ceiling mount

Accessories

HDBWxxF Series				EBW Series				
								
Model	PFA139	PFB204W	PFB204W+PFA152	Model	PFA132	PFA100+PFB302S	PFA100+PFB302S+PFA152	PFA100+PFB300C
Mount	Junction box	Wall mount	Pole mount	Mount	Junction box	Wall mount	Pole mount	Ceiling mount

SD60/6AE/6AL Series						
						
Model	PFA111+PFB303W	PFA111+PFB303W+PFA120	PFA111+PFB300C	PFA150	PFA151	PFA140
Mount	Wall mount	Junction box	Ceiling mount	Pole mount	Corner mount	Power box

SD6C Series					
					
Model	64FB	PFA114+PFB300C	PFA150	PFA151	PFA140
Mount	Wall mount	Ceiling mount	Pole mount	Corner mount	Power box

SD59/50/40 Series						
						
Model	PFA110+PFB300S	PFA110+PFB300S+PFA120	PFA110+PFB300C	PFA150	PFA151	PFA140
Mount	Wall mount	Junction box	Ceiling mount	Pole mount	Corner mount	Power box

ACCESSORIES

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Accessories

SD42 Series					
					
Model		PFA102+PFB302S	PFA102+PFB302S+PFA150	PFA102+PFB302S+PFA151	PFA102+PFB300C
Mount		Wall mount	Pole mount	Corner mount	Ceiling mount

SD32 Series					
					
Model		PFA101+PFB302S	PFA101+PFB302S+PFA150	PFA101+PFB302S+PFA151	PFA101+PFB300C
Mount		Wall mount	Pole mount	Corner mount	Ceiling mount

SD29 Series					
 					
Model		PFA103+PFB302S	PFA103+PFB302S+PFA150	PFA103+PFB302S+PFA151	PFA103+PFB300C
Mount		Wall mount	Pole mount	Corner mount	Ceiling mount

SD22 Series				
				
Model		PFA137	PFB203W	PFB203W+PFA152
Mount		Junction box	Wall mount	Pole mount

Accessories

Housing						
Model	PFH610N/V	PFH610N/V-H	PFH610N/V-H-POE	PFH610N/V-IR	PFH610N-W	PFH610N-W-IR
Apperance						
Description	Aluminum & PC N/A (IK10) IP67 DC12V /AC24V in 404x164x132mm	Aluminum & PC Heater, cooler, (IK10) IP67 AC24V, 3A in 404x164x132mm	Aluminum & PC Heater, cooler, (IK10) IP67 PoE+ in 404x164x132mm	Aluminum & PC Heater, cooler, IR, (IK10) IP67 AC24V, 5A in 404x164x132mm	Aluminum & PC Heater, cooler, wiper IP66 AC24V, 3A in 404x164x175mm	Aluminum & PC Heater, cooler, wiper, IR IP66 AC24V, 5A in 404x164x175mm

Lens				
Model	PLZ1030-D	PLZ1130-D	PLZ20C0-D	PLZ21C0-D
Apperance				
Description	Image size: 1/2.7" Aperture: F1.6 Focus length: 2.7-12mm Mount: CS Resolution: 3MP	Image size: 1/2.7" Aperture: F1.6 Focus length: 5-50mm Mount: CS Resolution: 3MP	Image size: 1/1.7" Aperture: F1.5 Focus length: 3.7-16mm Mount: CS Resolution: 12MP	Image size: 1/1.7" Aperture: F1.5 Focus length: 10.5-42mm Mount: CS Resolution: 12MP

Power Supply					
Model	DC Power		AC Power		
Apperance					
Description	DC12V, 1A 84×41×26mm	DC12V 2.8A 148×70×31mm	AC24V, 1.5A 106×70×56mm	AC24V, 3A 120×80×63.5mm	AC24V, 5A 120×102×80mm

PoE Switch					PoE Midspan	PoE Extender	Wireless	Tool
Model	PFS3106-4P-60	PFS3110-8P-96	PFS4018-16P-250	PFS4026-24P-370	PFT1200	PFT1300	PFM880/881	PFM900
Apperance								
Description	4-port PoE Switch IEEE 802.3af/802.3at Each power ≤30W, Totals60W	8-port PoE Switch IEEE 802.3af/802.3at Each power ≤30W, Totals93W	16-port PoE Switch IEEE 802.3af/802.3at Each power ≤30W, Totals250W	24-port PoE Switch IEEE 802.3af/802.3at Each power ≤30W, Totals370W	Max.60W power out IEEE 802.3af/802.3at, Hi-PoE Cascade two PoE extenders to cover the range of 300m	PoE-in port, PoE-out port, PoE for IPC port DIN rail mounting	5.8G Wireless video transmission device Transmission distance: 3-5KM Horizontal 90/40°, vertical 12/15°	Integrated Mount Tester For IPC, HDCVI, Analog camera TDR, record, playback, etc.

Video Software

Smart PSS

Smart Professional Surveillance System

Open, Free, Intelligent,
Make Your Security Surveillance
System Easy-to-Use



Devices & Users	Supported Devices	DVR, NVR, IPC, NVS, Video Wall Controller, NKB, VDP
	Max. Management Devices	256
	Max. Management Channels	2000
	Max. Number of Users	50
Video	Compression Format	H.265/H.264/MPEG-4/JPEG
	Display Resolution	Up to 4000 x 3000
Live Preview	Video Display Split	1/4/6/8/9/16/25/36 or customized split for Mac, up to 64 for windows
	Max. Preview Screen	4
	Max. Views	256
	Features	Snapshot, E-PTZ, Audio, Record, Talk, Instant playback, Tour task, View, Fisheye dewarp, IVS, Stream control, Optional video scale
Playback	Max. Channels	36
	Max. Task of Export	10 once
	Features	Snapshot, E-PTZ, Audio, Speed 1/8x~8x, Synchronization playback, POS, Fisheye dewarp, IVS, Faster/Slower play, Optional video scale
Recoding	PC-NVR	32 Channels
Minimum System Requirements	OS	Windows XP/Vista/7/8, Mac OSX 10.7 or above
	GPU	Intel(R) HD Graphics or above
	CPU	Intel(R) Core(TM) i3 or above
	Main Memory	2GB or above
	Display Resolution	1024x768 or above

DMSS

Digital Mobile Surveillance System

Monitor Anything with Your Smart
Phone or Tablet Anytime,
Anywhere



Devices	Supported Devices	DVR, NVR, IPC, VDP
	Add Device Method	IP/domain, SN, Import form cloud
	Features	Remote config, Alarm config, HDD info, Share device list
Video	Compression Format	H.265/H.264/MPEG-4/JPEG
	Display Resolution	Up to 1920 x 1080
Live Preview	Video Display Split	1/4/9/16 split
	Max. Channels Can be Opened at the Same Time	256
	Features	Snapshot, Record, Instant playback, PTZ, Fisheye dewarp, Stream control, Talk, Audio, Alarm, Color, Favorites, Remember channels
Playback	Max. Channels Can be Opened When Video Playback	4
	Time Period of Video	24 hours
	Max. Channels Can be Opened When Image Playback	1
	Features	Snapshot, Record, Faster/Slower play, Play next frame
Alarm Push	Alarm Type	Motion detect, Camera masking, Local alarm, Disk alarm, Face detection, Ivs alarm
	Push Type	Record, Preview, Image
Minimum System Requirements	OS	gDMSS: Android 3.0 or above; iDMSS: IOS 6.0 or above
	CPU	1GHZ or above
	RAM	1GHZ or above
	Display Resolution	480x800 or above



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IP Video Product Selection - 03, Aug 2015

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