

NETWORK THERMAL CAMERAS

PanSolutions 



Security

The Dahua Thermal Security Series camera integrates thermal imaging technology, visible light technology and AI technology to provide all-weather monitoring with high security level. It is an extremely versatile solution for critical infrastructure protection, forest fire prevention, border security, etc. It can be used even in total darkness or harsh weather conditions, providing a wide range of products for users in various industries.



Long Range Detection Capability

The Dahua leading thermal imaging technology has ultra long range detection capability that can spot vehicles (up to 20 km) and human targets (up to 8 km) with fine details.



Advanced Fire Detection

Dual-channel monitoring allows thermal cameras to early detect the source of fire, and visibly track it in the system.



Excellent Environmental Adaptability

Dahua thermal camera can convert the thermal radiation into a visible image even in harsh environments including no-light, backlight, haze and so on.






AI Function Integration

It is equipped with built-in deep learning algorithms and better AI hardware performance in order to meet different business requirements.







NETWORK THERMAL CAMERAS

Ultra Series

	Model	TPC-PT8621C		TPC-PT8421C		TPC-PT8621B		TPC-PT8421B	
Appearance									
Thermal	Image Sensor	Uncooled VOx Microbolometer		Uncooled VOx Microbolometer		Uncooled VOx Microbolometer		Uncooled VOx Microbolometer	
	Effective Pixels	640 (H) x512 (V)		400 (H) x300 (V)		640 (H) x512 (V)		400 (H) x300 (V)	
	Sensitivity	<40mK		<40mK		<40mK		<40mK	
	Lens	100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional) H: 6.2°		100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional) H: 3.9°		100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional) H: 6.2°		100mm 20mm~100mm (Optional) 30mm~150mm (Optional) 38mm~190mm (Optional) H: 3.9°	
	FOV-H	H: 31.6° ~ 6.2° (Optional) H: 20.6° ~ 4.2° (Optional) H: 16.7° ~ 3.5° (Optional)		H: 19.3° ~ 3.9° (Optional) H: 12.9° ~ 2.6° (Optional) H: 10.2° ~ 2.1° (Optional)		H: 31.6° ~ 6.2° (Optional) H: 20.6° ~ 4.2° (Optional) H: 16.7° ~ 3.5° (Optional)		H: 19.3° ~ 3.9° (Optional) H: 12.9° ~ 2.6° (Optional) H: 10.2° ~ 2.1° (Optional)	
Visible	Image Sensor	1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2M CMOS	1/2.8" 2M CMOS	1/1.9" 2M CMOS
	Lens	6.6mm ~ 330mm	21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)	6.6mm ~ 330mm	21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)	6.6mm~330mm	21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)	6.6mm~330mm	21mm~500mm (Optional) 12.5mm~750mm (Optional) 16.7mm~1000mm (Optional)
	FOV-H	H: 42.34°~1.10°	H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)	H: 42.34° ~ 1.10°	H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)	H: 42.34°~1.10°	H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)	H: 42.34°~1.10°	H: 23.5°~1.0° (Optional) H: 31.29°~0.32° (Optional) H: 20.51°~0.22° (Optional)
	Min. Illumination	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)
Laser Range Finder (Optional)	Wavelength	1.57µm (Eye safe)		1.57µm (Eye safe)		--		--	
	Effective Distance	50 ~ 5000m (164ft ~ 16404ft)		50 ~ 5000m (164ft ~ 16404ft)		--		--	
	Accuracy	±2m		±2m		--		--	
Laser Illuminator (Optional)	Wavelength	808±5nm		808±5nm		--		--	
	Effective Distance	1000m (3281ft)		1000m (3281ft)		--		--	
	Angle of Laser Beam	1°~ 30°		1°~ 30°		--		--	
General	Video Compression	H.265/H.264/MJPEG		H.265/H.264/MJPEG		H.265/H.264/MJPEG		H.265/H.264/MJPEG	
	Frame Rate	Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps		Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps		Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps		Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps	
	Pan/Tilt Range	300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)		300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)		300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)		300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)	
	Intelligent Video	IVS, Fire detection & alarm		IVS, Fire detection & alarm		IVS, Fire detection & alarm		IVS, Fire detection & alarm	
	Compatibility	ONVIF Profile S & G, API		ONVIF Profile S & G, API		ONVIF Profile S & G, API		ONVIF Profile S & G, API	
	Ingress Protection	IP66		IP66		IP66		IP66	
	Working Temperature	-40°C ~ +70°C		-40°C ~ +70°C		-40°C ~ +70°C		-40°C ~ +70°C	
	Power	AC100V ~ 300V, <100W		AC100V ~ 300V, <100W		AC100V ~ 300V, <100W		AC100V ~ 300V, <100W	



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Ultra Series

	Model	TPC-PT8621A	TPC-PT8421A	TPC-SD8621	TPC-SD8421	TPC-BF8621	TPC-BF8421
Appearance		 Wiz Mind	 Wiz Mind	 Wiz Mind	 Wiz Mind		
Thermal	Image Sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer
	Effective Pixels	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK	<40mK	<40mK
	Lens	35mm/50mm/75mm/100mm	35mm/50mm/75mm/100mm	25mm/35mm/50mm	25mm/35mm/50mm	25mm; 35mm; 50mm; 75mm; 100mm	25mm; 35mm; 50mm; 75mm; 100mm
	FOV-H	H: 17.6°/12.4°/8.3°/6.2°	H: 11.1°/7.8°/5.2°/3.9°	H: 24.6°/17.6°/12.4°	H: 15.5°/10.9°/7.7°	H: 24.6°/17.6°/12.4°/8.3°/6.2°	H: 15.5°/11.1°/7.8°/5.2°/3.9°
Visible	Image Sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS
	Lens	6.6mm ~ 330mm	6.6mm ~ 330mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm
	FOV-H	H: 42.34° ~ 1.10°	H: 42.34° ~ 1.10°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°
	Min. Illumination	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)
	IR Distance	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)
General	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
	Frame Rate	Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps
	Pan/Tilt Range	300 presets, Pan: 0° ~ 360° endless, Tilt: -90° ~ 40°	300 presets, Pan: 0° ~ 360° endless, Tilt: -90° ~ 40°	300 presets, Pan: 0° ~ 360° endless, Tilt: -10° ~ 90°	300 presets, Pan: 0° ~ 360° endless, Tilt: -10° ~ 90°	--	--
	Intelligent Video	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace
	Compatibility	ONVIF Profile S & G, API	ONVIF Profile S & G, API	ONVIF Profile S & G, API	ONVIF Profile S & G, API	ONVIF Profile S & G, API	ONVIF Profile S&G, API
	Ingress Protection	IP66	IP66	IP66	IP66	IP67	IP67
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +60°C	-40°C ~ +60°C	-40°C ~ +70°C	-40°C ~ +70°C
	Power	AC24V, <65W	AC24V, <65W	AC24V, <38W	AC24V, <38W	AC12V/PoE+, <16W	AC12V/PoE+, <16W

NETWORK THERMAL CAMERAS

Pro Series

	Model	TPC-BF5601	TPC-BF5401
Thermal	Appearance		
	Image Sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer
	Effective Pixels	640 (H) × 512 (V)	400 (H) × 300 (V)
	Sensitivity	<40mK	<40mK
	Lens	7.5mm/13mm/25mm/35mm	7.5mm/13mm/25mm/35mm
FOV-H	H: 91.2°/48.9°/24.6°/17.6°	H: 53.7°/30.2°/15.5°/11.1°	
General	Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG
	Frame Rate	Thermal: 1280x1024/720P/640x512 @ 25/30fps	Thermal: 1280x1024/720P/400x300 @ 25/30fps
	Intelligent Video	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace
	Compatibility	ONVIF Profile S & G, API	ONVIF Profile S & G, API
	Ingress Protection	IP67	IP67
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C
	Power	DC12V/PoE/ePoE, <13W	DC12V/PoE/ePoE, <13W

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Anti-corrosion Series

	Model	TPC-ACPT8620C	TPC-ACPT8420C	TPC-ACPT8620B	TPC-ACPT8420B
Appearance					
Thermal	Image Sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer
	Effective Pixels	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)
	Sensitivity	<40mK	<40mK	<40mK	<40mK
	Lens	20mm ~ 100mm 30mm ~ 150mm (Optional)	20mm ~ 100mm 30mm ~ 150mm (Optional)	20mm ~ 100mm 30mm ~ 150mm (Optional)	20mm ~ 100mm 30mm ~ 150mm (Optional)
FOV-H	H: 31.6° ~ 6.2° H: 21.0° ~ 4.1° (Optional)	H: 19.3° ~ 3.9° H: 12.9° ~ 2.6° (Optional)	H: 31.6° ~ 6.2° H: 21.0° ~ 4.1° (Optional)	H: 19.3° ~ 3.9° H: 12.9° ~ 2.6° (Optional)	
Visible	Image Sensor	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS	1/1.9" 2M CMOS
	Lens	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)	15.6mm ~ 500mm 12.5mm ~ 775mm (Optional)
	FOV-H	H: 27.5° ~ 0.9° H: 28.8° ~ 0.5° (Optional)	H: 27.5° ~ 0.9° H: 28.8° ~ 0.5° (Optional)	H: 27.5° ~ 0.9° H: 28.8° ~ 0.5° (Optional)	H: 27.5° ~ 0.9° H: 28.8° ~ 0.5° (Optional)
	Min. Illumination	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)	0.002Lux@F1.5 (Color) 0.0005Lux@F1.5 (B/W)
Laser Range Finder (Optional)	Wavelength	1.57μm (Eye safe)	1.57μm (Eye safe)	--	--
	Effective Distance	50 ~ 5000m (164ft ~ 16404ft)	50 ~ 5000m (164ft ~ 16404ft)	--	--
	Accuracy	±2m	±2m	--	--
Laser Illuminator (Optional)	Wavelength	808±5nm	808±5nm	--	--
	Effective Distance	1000m (3281ft)	1000m (3281ft)	--	--
	Angle of Laser Beam	1°~ 30°	1°~ 30°	--	--
General	Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
	Frame Rate	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps	Thermal: 1280*1024 (default)/720P@1~25/30fps Visible: 1080P (default)/720P@1~25/30fps
	Pan/Tilt Range	300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)	300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)	300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)	300 presets, Pan: 0° ~ 360° endless, Tilt: -60° ~ 45°, Tilt: -60° ~ 60° (Optional)
	Intelligent Video	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm	IVS, Fire detection & alarm
	Compatibility	ONVIF Profile S & G, API	ONVIF Profile S & G, API	ONVIF Profile S & G, API	ONVIF Profile S & G, API
	Ingress Protection	IP66	IP66	IP66	IP66
	Corrosion Protection	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +70°C
	Power	AC100V ~ 300V, <150W	AC100V ~ 300V, <150W	AC100V ~ 300V, <100W	AC100V ~ 300V, <100W



Thermography

Dahua adopts high precision sensor and advanced temperature measurement algorithm, which can realize accurate and wide range temperature measurement. In addition, a variety of temperature measurement rules are supported to meet the needs of end users for different scenarios.



Industrial Temperature Measurement

Industrial temperature measurement distance is as far as 50 meters, which meets the requirements for 24/7 real-time monitoring of multiple devices.



Body Temperature Measurement

This non-contact body temperature measurement offers quick screening, wide coverage and multi-person detection. The accuracy can reach up to ± 0.3 °C with the blackbody.




High Accuracy

Aside from its ± 0.3 °C body temperature measurement accuracy, its industrial temperature measurement accuracy can reach up to ± 2 °C.

NETWORK THERMAL CAMERAS

Ultra Series

	Model	TPC-PT8621A-T	TPC-PT8421A-T	TPC-SD8621-T	TPC-SD8421-T	TPC-BF5601-T	TPC-BF5401-T	
Appearance		 Wiz Mind	 Wiz Mind	 Wiz Mind	 Wiz Mind	 ePoE	 ePoE DHCP	
Thermal	Image Sensor	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	Uncooled VOx Microbolometer	
	Effective Pixels	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)	640 (H)×512 (V)	400 (H)×300 (V)	
	Sensitivity	<40mK	<40mK	<40mK	<40mK	<40mK	<40mK	
	Lens	35mm/50mm/75mm/100mm	35mm/50mm/75mm/100mm	25mm/35mm/50mm	25mm/35mm/50mm	7.5mm/13mm/25mm	7.5mm/13mm/25mm	
	FOV-H	H: 17.6°/12.4°/8.3°/6.2°	H: 11.1°/7.8°/5.2°/3.9°	H: 24.6°/17.6°/12.4°	H: 15.5°/10.9°/7.7°	H: 91.2°/48.9°/24.6°	H: 53.7°/30.2°/15.5°	
	Temperature Range & Accuracy	Low Temperature: -20°C ~ +150°C High Temperature: 0°C ~ +550°C Max (±2°C, ±2%)/Operating Temperature (-10°C ~ 50°C)	Low Temperature: -20°C ~ +150°C High Temperature: 0°C ~ +550°C Max (±2°C, ±2%)/Operating Temperature (-10°C ~ 50°C)	Low Temperature: -20°C ~ +150°C High Temperature: 0°C ~ +550°C Max (±2°C, ±2%)/Operating Temperature (-10°C ~ 50°C)	Low Temperature: -20°C ~ +150°C High Temperature: 0°C ~ +550°C Max (±2°C, ±2%)/Operating Temperature (-10°C ~ 50°C)	Low Temperature: -20°C ~ +150°C High Temperature: 0°C ~ +550°C Max (±2°C, ±2%)/Operating Temperature (-10°C ~ 50°C)	Low Temperature: -20°C ~ +150°C High Temperature: 0°C ~ +550°C Max (±2°C, ±2%)/Operating Temperature (-10°C ~ 50°C)	Low Temperature: -20°C ~ +150°C High Temperature: 0°C ~ +550°C Max (±2°C, ±2%)/Operating Temperature (-10°C ~ 50°C)
	Measurement Rule	Spot: 12/Line: 12/Area: 12 Supports 12 rules per preset simultaneously	Spot: 12/Line: 12/Area: 12 Supports 12 rules per preset simultaneously	Spot: 12/Line: 12/Area: 12 Supports 12 rules per preset simultaneously	Spot: 12/Line: 12/Area: 12 Supports 12 rules per preset simultaneously	Spot: 12/Line: 12/Area: 12 Supports 12 rules simultaneously	Spot: 12/Line: 12/Area: 12 Supports 12 rules simultaneously	
Temperature Alarm	Supported	Supported	Supported	Supported	Supported	Supported		
Visible	Image Sensor	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	1/2.8" 2M CMOS	--	--	
	Lens	6.6mm ~ 330mm	6.6mm ~ 330mm	3.95mm ~ 177.7mm	3.95mm ~ 177.7mm	--	--	
	FOV-H	H: 42.34° ~ 1.10°	H: 42.34° ~ 1.10°	H: 70.3° ~ 1.8°	H: 70.3° ~ 1.8°	--	--	
	Min. Illumination	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.016Lux@F1.5 (Color) 0.0175Lux@F1.5 (B/W) 0Lux@F1.5 (IR On)	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)	0.005Lux@F1.6 (Color) 0.0005Lux@F1.6 (B/W) 0Lux@F1.6 (IR On)	--	--	
	IR Distance	100m (328ft)	100m (328ft)	100m (328ft)	100m (328ft)	--	--	
General	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	
	Frame Rate	Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/640x512 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280x1024/720P/400x300 @25/30fps Visible: 1080P/720P/D1 @25/30fps	Thermal: 1280*1024/720P/640*512 @25/30fps	Thermal: 1280*1024/720P/400*300 @25/30fps	
	Pan/Tilt Range	300 presets, Pan: 0° ~ 360° endless, Tilt: -90° ~ 40°	300 presets, Pan: 0° ~ 360° endless, Tilt: -90° ~ 40°	300 presets, Pan: 0° ~ 360° endless, Tilt: -10° ~ 90°	300 presets, Pan: 0° ~ 360° endless, Tilt: -10° ~ 90°	--	--	
	Intelligent Video	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace, Auto Tracking	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace	IVS, Human/Vehicle classification, Fire detection & alarm, Cold/Hot spot trace	
	Compatibility	ONVIF Profile S & G; API	ONVIF Profile S & G; API	ONVIF Profile S & G; API	ONVIF Profile S & G; API	ONVIF Profile S & G; API	ONVIF Profile S & G; API	
	Ingress Protection	IP66	IP66	IP66	IP66	IP67	IP67	
	Working Temperature	-40°C ~ +70°C	-40°C ~ +70°C	-40°C ~ +60°C	-40°C ~ +60°C	-40°C ~ +70°C	-40°C ~ +70°C	
Power	AC24V, <65W	AC24V, <65W	AC24V, <38W	AC24V, <38W	DC12V/PoE/ePoE, <13W	DC12V/PoE/ePoE, <13W		