

	<b>138S</b>	<b>136S</b>	<b>135S</b>	<b>133S</b>
<b>Thermal Imaging Parameters</b>				
<b>Infrared Resolution</b>	640*480	384*288	320*240	160*120
<b>Detector Type</b>	Uncooled infrared focal plane detector			
<b>Thermal Sensitivity (NETD)</b>	<30mk@30°C(86°F)	<50mk@30°C(86°F)	<50mk@30°C(86°F)	<60mk@30°C(86°F)
<b>Detector Pitch</b>	17µm	17µm	17µm	17µm
<b>Spectral Range</b>	8~14µm	8~14µm	8~14µm	8~14µm
<b>FOV</b>	Refer to 'Lens Specs'			
<b>Spatial Resolution(IFOV)</b>	Refer to 'Lens Specs'			
<b>Minimum Imaging Distance</b>	Refer to 'Lens Specs'			
<b>Focal Length</b>	Refer to 'Lens Specs'			
<b>Focus Type</b>	Focus free	Focus free	Focus free	Focus free
<b>Temperature Analysis</b>				
<b>Complete Temperature Range</b>	-20~650°C(-4~1022°F)	-20~650°C(-4~1022°F)	-20~350°C(-4~662°F)	-20~350°C(-4~662°F)
<b>Temperature Range</b>	-20~120°C(-4~248°F), 0~650°C(32~1022°F).	-20~120°C(-4~248°F), 0~650°C(32~1022°F).	-20~120°C(-4~248°F), 0~350°C(32~662°F)	-20~120°C(-4~248°F), 0~350°C(32~662°F)
<b>Accuracy</b>	± 2°C or ± 2 %, whichever is greater	± 2°C or ± 2 %, whichever is greater	± 2°C or ± 2 %, whichever is greater	± 2°C or ± 2 %, whichever is greater
<b>Measurement Parameters</b>	Emissivity; Ambient temperature; Reflected temperature; Relative humidity; Distance; External optics compensation	Emissivity; Ambient temperature; Reflected temperature; Relative humidity; Distance; External optics compensation	Emissivity; Ambient temperature; Reflected temperature; Relative humidity; Distance; External optics compensation	Emissivity; Ambient temperature; Reflected temperature; Relative humidity; Distance; External optics compensation
<b>ROI Emissivity</b>	Support	Support	Support	Support
<b>Image Display</b>				
<b>Palettes</b>	9 standard palettes and 9 inverted palettes			
<b>Image Processing</b>	Non-uniform calibration, digital enhancement			
<b>Image Mirroring</b>	Left-right, up-down, centrosymmetric	Left-right, up-down, centrosymmetric	Left-right, up-down, centrosymmetric	Left-right, up-down, centrosymmetric
<b>Video Stream Compression Standard</b>	H.264	H.264	H.264	H.264
<b>Radiometric Stream</b>	Mainstream: resolution: 640*480, frequency: 30Hz, band width: 2.5Mb Substream: resolution: 192*144, frequency: 30Hz, bandwidth: 100 Kb	Mainstream: resolution: 320*240, frequency: 30Hz, band width: 1.0Mb Substream: resolution: 192*144, frequency: 30Hz, bandwidth: 100 Kb	Mainstream: resolution: 320*240, frequency: 30Hz, band width: 1.0Mb Substream: resolution: 192*144, frequency: 30Hz, bandwidth: 100 Kb	Mainstream: resolution: 320*240, frequency: 30Hz, band width: 1.0Mb Substream: resolution: 192*144, frequency: 30Hz, bandwidth: 100 Kb
<b>Functions</b>				
<b>ROIs</b>	5 points, 10 lines and 10 regions, support Modbus output(the Modbus output is mutually exclusive with the PTZ control function.)	5 points, 10 lines and 10 regions, support Modbus output(the Modbus output is mutually exclusive with the PTZ control function.)	5 points, 10 lines and 10 regions, support Modbus output(the Modbus output is mutually exclusive with the PTZ control function.)	5 points, 10 lines and 10 regions, support Modbus output(the Modbus output is mutually exclusive with the PTZ control function.)
<b>Professional Software</b>	MoniTIR Digital Integrated Management Platform			
<b>Network Connection</b>				
<b>Ethernet Type</b>	10M/100M/1000M adaptive	10M/100M/1000M adaptive	10M/100M/1000M adaptive	10M/100M/1000M adaptive
<b>Network Protocols</b>	IPv4, UDP, TCP, RTSP, RTP, RT P			
<b>Cuncurrent Access</b>	Mainstream and substream: 10; Radiometric stream: 1			
<b>Access Standard</b>	ONVIF	ONVIF	ONVIF	ONVIF
<b>Electrical Connection</b>				
<b>Power Interface</b>	Screw-on wire terminal	Screw-on wire terminal	Screw-on wire terminal	Screw-on wire terminal
<b>Network Interface</b>	Screw-on RJ45 with status indicator LED			
<b>Alarm Input/Output Interface</b>	1 relay output: Load capacity: 24V, 1.5A 1 optocoupler output: Output capacity: 3.3~24V, maximum output current 35mA 1 optocoupler input: Input capacity: 3.3~24V, input current 5~15mA	1 relay output: Load capacity: 24V, 1.5A 1 optocoupler output: Output capacity: 3.3~24V, maximum output current 35mA 1 optocoupler input: Input capacity: 3.3~24V, input current 5~15mA	1 relay output: Load capacity: 24V, 1.5A 1 optocoupler output: Output capacity: 3.3~24V, maximum output current 35mA 1 optocoupler input: Input capacity: 3.3~24V, input current 5~15mA	1 relay output: Load capacity: 24V, 1.5A 1 optocoupler output: Output capacity: 3.3~24V, maximum output current 35mA 1 optocoupler input: Input capacity: 3.3~24V, input current 5~15mA
<b>Serial Port</b>	RS-485	RS-485	RS-485	RS-485

Power System				
Power Supply	12V/24V DC, PoE	12V/24V DC, PoE	12V/24V DC, PoE	12V/24V DC, PoE
Power Consumption	<4W	<3W	<3W	<3W
Certification and Reliability				
Electromagnetic Compatibility	GB/T 18268.1/EN IEC 61326-1			
	IP66(GB/T 4208/IEC 60529) Electrostatic 8kV (Contact) /15kV (Air discharge) (GB/T17626.2/IEC 61000-4-2) Voltage spikes 4kV(GB/T 17626.5/IEC 61000-4-5) Power frequency magnetic field 100A/m(GB/T 17626.8/IEC 61000-4-8)	IP66(GB/T 4208/IEC 60529) Electrostatic 8kV (Contact) /15kV (Air discharge) (GB/T17626.2/IEC 61000-4-2) Voltage spikes 4kV(GB/T 17626.5/IEC 61000-4-5) Power frequency magnetic field 100A/m(GB/T 17626.8/IEC 61000-4-8)	IP66(GB/T 4208/IEC 60529) Electrostatic 8kV (Contact) /15kV (Air discharge) (GB/T17626.2/IEC 61000-4-2) Voltage spikes 4kV(GB/T 17626.5/IEC 61000-4-5) Power frequency magnetic field 100A/m(GB/T 17626.8/IEC 61000-4-8)	IP66(GB/T 4208/IEC 60529) Electrostatic 8kV (Contact) /15kV (Air discharge) (GB/T17626.2/IEC 61000-4-2) Voltage spikes 4kV(GB/T 17626.5/IEC 61000-4-5) Power frequency magnetic field 100A/m(GB/T 17626.8/IEC 61000-4-8)
Enclosure Rating				
Impact	25g(GB/T 2423.5/IEC 60068-2-27)	25g(GB/T 2423.5/IEC 60068-2-27)	25g(GB/T 2423.5/IEC 60068-2-27)	25g(GB/T 2423.5/IEC 60068-2-27)
Vibration	2g(GB/T 2423.10/IEC 60068-2-6)	2g(GB/T 2423.10/IEC 60068-2-6)	2g(GB/T 2423.10/IEC 60068-2-6)	2g(GB/T 2423.10/IEC 60068-2-6)
RoHS Compliant	Compliant	Compliant	Compliant	Compliant
Physical Parameters				
Operating Temperature	-20°C ~ 65°C(-4°F~149°F)	-20°C ~ 65°C(-4°F~149°F)	-20°C ~ 65°C(-4°F~149°F)	-20°C ~ 65°C(-4°F~149°F)
Storage Temperature	'-40°C ~ 70°C(-40°F~158°F)	'-40°C ~ 70°C(-40°F~158°F)	'-40°C ~ 70°C(-40°F~158°F)	'-40°C ~ 70°C(-40°F~158°F)
Relative Humidity	<90%RH	<90%RH	<90%RH	<90%RH
Dimensions	189mm*83mm*73mm	189mm*83mm*73mm	189mm*83mm*73mm	189mm*83mm*73mm
Weight	900g	900g	900g	900g
Casing Material	Aluminum alloy	Aluminum alloy	Aluminum alloy	Aluminum alloy
Mounting Method	Support UNC 1/4-20 interface for tripod connection from the bottom and the top	Support UNC 1/4-20 interface for tripod connection from the bottom and the top	Support UNC 1/4-20 interface for tripod connection from the bottom and the top	Support UNC 1/4-20 interface for tripod connection from the bottom and the top
Product Configuration				
Standard Configuration	Single-spectrum infrared camera, power adapter, power adapter plug, document bag (packing list, calibration certificate, quick start manual), packaging box	Single-spectrum infrared camera, power adapter, power adapter plug, document bag (packing list, calibration certificate, quick start manual), packaging box	Single-spectrum infrared camera, power adapter, power adapter plug, document bag (packing list, calibration certificate, quick start manual), packaging box	Single-spectrum infrared camera, power adapter, power adapter plug, document bag (packing list, calibration certificate, quick start manual), packaging box