

SECTES High Performance Thermal Camera

Built For The Experts III MARCH











The Guide PS Series high-performance thermal camera is designed to make the inspection, maintenance and troubleshooting work easier, faster and more accurate. It adopts a new generation of uncooled IR focal-plane detectors, which provides sharper thermal images and higher measurement accuracy. With its rotatable lens and screen structure, up to 13 million pixels visible light camera module, high precision rangefinder, and supplemented by some professional functions such as Al recognition naming, intelligent area measurement, flexible emissivity settings by areas, super-resolution reconstruction, strive to meet the needs of every thermography experts.



- Electric Utilities Inspections
- Oil and Gas Maintenance
- **Building Inspections**
- Research and Development

- With a new generation of focus motor and professional laser rangefinder, 1-touch autofocus in 0.4 second
- Upgraded visible light camera, flagship model up to 13 million pixels, supports infrared and visual imaging dual-channel video recording
- Support Al voice recognition, text photo recognition and typing, convenient for customizing the image name
- Optional lenses are available such as macro/wide-angle/Medium telephoto lens/ telephoto lens, support automatic calibration, easy to replace
- Support cloud services, upload local images to the cloud at any time, for remote analysis and problem feedback
- -40°C ~ 2000°C ultra-wide temperature range, support automatic switching, suitable for more application scenarios

Specifications

Temp Measurement Range Accuracy #2°C~±2%, whichever is greater #2°C~±2% and own, centered interval #2°C	Model	PS400	PS600	PS610
Spectral Frame rate Fr	IR Imaging Performance			
From crote NETD 4 Smk 4 Mark 4 Mark 5 Standard Lenses Options (* Focol Inegath Fov J (FOV J Min focus distance and Mark Wide Angle* 7.78mm/4217955.9*(21.9mard)0.5m Wide Angle* 7.78mm/421795.59*(21.9mard)0.5m Wide Angle* 85mm/73*9.59*(01.3mard)5m Wide Angle* 85mm/73*9.59*(01.3mard)5m Wide Angle* 85mm/73*9.59*(01.3mard)4m Macro Lens* 150mm/73*9.59*(01.3mard)4m Macro Lens* 150	Detector type	384×288@17μm, VOx 640×480@17μm, VOx		
NETD Lenses Options (* Focol length) FOV / INFOV / Moritor distance * FOV / INFOV /	Spectral			
Lenses Options (* Facul length FOV / IROV IROV / IROV / IROV / IROV IROV / IROV / IROV IROV / IROV / IROV IROV IROV / IROV IROV IROV IROV IROV IROV IROV IROV	Frame rate		30Hz/9Hz	
Standard Lens* Isimmi/24 % 18.7 % 18.7 mod (0.4 m) 25mm/24 6 % 18.5 % (0.5 mod (0.5 m) Telephoto* 35mm/12 % 4.7 % 0.2 mod (2.2 m) 15mm/45 6 % 18.7 % 1.5 mod (0.1 m) Telephoto* 35mm/12 % 4.7 % 0.2 mod (2.2 m) 15mm/45 6 % 18.7 % 1.5 mod (0.1 m) Moraro Lens* 67mm/3.7 % 5.5 % 10.2 mod (1.5 m) High Temp® 24.9 % 18.7 % 1.5 mm/40.7 ym 6.7 mm/2.5 mm/15 5 ym (1.5 ym) Lens Identification Automatically identify and calibrate the lens without manual switching Heigh Temp® 24.9 % 18.7 % 1.5 mm/40.7 ym 6.7 mm/2.5 mm/15 ym Lens Identification Automatically identify and calibrate the lens without manual switching Hope Temps 1500 million pixels, autofocus, support electric/manual focus switch Lens Identification Automatically identify and calibrate the lens without manual switching Hope Mode 800 million pixels, autofocus 1500 million pixels, autofocus LOD Deploy 12.5 % continuously 12.5 % continuously 15.5 % continuously 12.5 % c	NETD	45mk	40mk	30mk
Standard Lens* Mide Angle* 7.8mm/34.7% 547 (1.8ma/34.7% 547) Telephoto* 3.8mm/12.7% 4.9% 0.2ma/32/m Telephoto* 3.8mm/12.7% 4.9% 0.2ma/32/m Morar Lens* 4.6mm/37.5% 557 (2.8ma/41.5ma) High Telephoto* 5.7mm/37.5% 557 (2.8ma/41.5ma) Focus Lens Identification Macra Lens* 1.5mm/35.5mm/37.5mm/40.7mm Automatically identify and calibrate the lens without manual switching 1.5mm/35.5mm/37.5mm/40.7mm Automatically identify and calibrate the lens without manual switching 1.5mm/35.5mm/37.5mm/40.7mm Visual Image 1.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5mm/35.5m	Lenses Options (* Focal len	ath/FOV/IFOV/Min focus distance #F6	OV / IFOV / Working distance @ FOV)
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High Temp® Focus Focus Lens Identification Image Presentation Visual image Procession Uniform Temp Strain Visual image Vis	·			• • • • • • • • • • • • • • • • • • • •
High Temp® 24.9**18.7* 24.6**16.5*				
Focus Househ fact autofocus, support electric/manual focus switch				
Lens identification Automatically identify and calibrate the lens without manual switching				
Visual Image 800 million pixels, autofocus 1300 million pixels, autofocus 1300 million pixels, autofocus 1200×720 High Light Touch Screen 1200×720 High Light Touch High Light Touch High High High High High High High Hig				
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Image Mode IR image/Visual image/PiP/MIF	. ,			
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Al Voice Naming Professional Laser Rangefinder Temperature Measurement for Areas Smart Stroke Automatically weasure the orea of the boxes and circles Automatically measure the orea of the boxes and circles Automatically measure the orea of the boxes and circles Smart Stroke Automatically outline the target contour by setting the orea and tolerance (color difference between two pixels) Measurement Corrections Level Span Ponorama Image Mosaic Cloud Service Support emissivity correction, atmospheric transmittance correction and optical dransmittance correction optical dransmittance correction and op	Color Palettes	8 Color Palettes, and customizable		
Al Voice Naming Professional Laser Rangefinder Temperature Measurement for Areas Smart Stroke Measurement Corrections Level Span Panorama Image Mosaic Cloud Service Support auto-switching, Filter 1:-40°C-150°C; 2:100°C-800°C; Optional 700°C-2000°C/High temperature lens require Automatic all with the wind size of the whole screen and the analysis object at the some time (IR/PIP) It can track the higher of the whole screen and the area of the poxes and circles Automatically measure the area of the boxes and circles Support emissivity correction, atmospheric transmittance correction and optical transmittance correction Level Span Panorama Image Mosaic Cloud Service Support Local and cloud data upload and download Measurement Range Accuracy Support auto-switching, Filter 1:-40°C-150°C; 2:100°C-800°C; Optional 700°C-2000°C/High temperature lens required Accuracy 2°C-2*2%, whichever is greater 2°C-2*1%, whichever is greater 2°C-2*1%, whichever is greater (IR/PIP) Analysis Storage Temp Measurement Area (IR/PIP) Sotherm Tracking (IR/ PIP) Is contained the major span of the whole screen and the analysis object at the some time Up and down, centred interval Temperature Alarm Temperature Alarm Temperature Alarm Storage Image Format Built-in 64G, external SD card supports up to 64G Image Internal Storage Image Format Built-in 64G, external SD card supports up to 64G Image Internal Storage Picture format JPG (with temperature information) Automatic alarm (image and sound) when exceeding the alarm temperature at the should with temperature information) Pud-path Recording Other Hardware Flashlight, Iaser (laser indication, ranging, focus), WIFI, microphone (adjustable volume), speaker (adjustable volume). Interface TYPE-C (used to transmit native image dator with PC), power supply (12V), SD card, Gigobit Ethernet, Micro HDMI, ripod interface Rechargeable lithi	Super-resolution	4× Super-resolution, 768 x 576	4× Super-resolu	ution, 1280 x 960
Professional Laser Rangefinder Temperature Measurement for Areas Smart Stroke Automatically measure the area of the baxes and circles Smart Stroke Automatically outline the target contour by setting the area and tolerance (color difference between two pixels) Measurement Corrections Level Span Panorama Image Mosaic Cloud Service Support emissivity correction, atmospheric transmittance correction and optical correction and correction and correction and optical correction and correction and correction and correction and	Functions			
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Panorama Image Mosaic N/A STES	Measurement Corrections			
Cloud Service Support local and cloud data upload and download	Level Span			
Cloud Service Support local and cloud data upload and download	Panorama Image Mosaic	N/A	YES	
Temp Measurement Range Support auto-switching, Filter 1:-40°C-150°C; 2:100°C-800°C; Optional 700°C-2000°C(High temperature lens required Accuracy	Cloud Service	·		
Accuracy Temp Measurement Area (R/P)P) Spot × 12, line × 12, area × 12 Spot × 16, line × 16, area × 16 Spot × 16, line × 16, area × 16 Analysis Storage Auto Max & Min Temp Tracking (IR / P)P) It can track the highest temperature/lowest temperature/laverage temperature of the whole screen and the analysis object and be saved with the image (spots, lines, areas) It can track the highest temperature/lowest temperature/laverage temperature of the whole screen and the analysis object at the same time Isotherm Up and down, centered interval Automatic alarm (image and sound) when exceeding the alarm temperature threshold, and supports the area alarm function Storage Image Format Image Format Image Internal Storage Video Format Dual-path Recording Support simultaneous recording of visible light and infrared video (with temperature adata), support manual storage/timing storage Other Hardware Flashlight, laser (laser indication, ranging, focus), WIFI, microphone (adjustable volume), speaker (adjustable volume) electronic compass, GPS, light sensor, Bluetooth Interface Battery Rechargeable lithium battery (according to Un83.3 certification); can work for 4 hours (comprehensive working time) with sleep mode Working Temperature Working Temperature Working Temperature Vorking Temperature Vorking Temperature Vorking Temperature Vorking Temperature Vorking Temperature: Vorking Temperature Vorking Temperature: Vorking Tempera	Measurement	·	·	
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