



INFRARED AND THERMAL INSTRUMENTS

VOC GAS THERMAL IMAGER

VOC 320





SPECIFICATIONS

Model		VOC 320
Detector type		Cooled FPA
Detector material		T2SLs or MCT infrared detectors
Spectral Range		3.1 - 3.5 μm
Detector resolution		320×256
Thermal sensitivity/NETD		$\leq 10\text{mk @}30^{\circ}\text{C}$
Standard lens		18°x14°
Spatial resolution		1mrad
Focal length		30mm
Aperture		1.2
Depth of field		0.5m to infinity
Focus		Manual, electric, one-button autofocus
Visible light		
Resolution		5MP , CMOS
Focus		Auto Focus
Flash		High power dual fill light
Image display		
OLED viewfinder		1024×768
LCD Monitor		5 inches, 800×480
Temperature measurement		
Object temperature range		-20°C ~60°C (low temperature mode)
Temperature measurement accuracy		$\pm 2^{\circ}\text{C}$ or $\pm 2\%$ of readings
Infrared video		
Infrared video format		MP4 video / full temperature irv video stored in SD card
Satellite positioning (optional)		
GPS		For outdoor use, the screen displays the latitude and longitude of the device's location, and the photos taken and saved can display the latitude and longitude in the analysis software
External interface		
Power supply		Lithium battery (with a lifespan of at least 3 hours at room temperature) or DC-5.5mm (12V)
Storage interface		SD card storage 32GB
Video output		HDMI
Data interface		USB2.0 4G-SIM card (optional)
Environmental and physical parameters		
Working temperature		-20°C ~40°C
Working humidity		$\leq 90\%\text{RH}$
Storage temperature		-40°C ~70°C
Tripod mounting interface		UNC 1/4"-20
Dimensions (length x width x height)		286mm× 154mm×167mm (L×W×H)
Weight		$\leq 2.5\text{kg}$ (including battery)