

Introduction

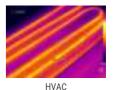
With a built-in self-developed high-sensitivity IR detector with a maximum resolution of 640x480, a 13MP visible light camera, and 5 focusing modes, Hammer Series, the high-precision thermal camera designed specifically for the industrial field helps users intuitively view high-definition images and temperature details of the target, with the classic "hammer" shape. 30Hz infrared frame rate for fast and accurate access to more temperature data of moving targets, far beyond the same level of products.

Features

- The new generation of self-developed IR detectors with a maximum resolution of 640x480
- ASIC algorithms for pixel point details and hidden hazards
- A 13MP visible light camera and dual illumination for easy location of faults
- Up to 30Hz IR video frame rate for temperature analysis by the screenshot
- IP54 waterproof and dustproof and 2m drop resistance with military-grade quality
- OTA online upgrades to keep the device in top shape
- Built-in WIFI module for easy transfer of images to the cloud and remote instant download and analysis

Applications





Oil and Petrochemical

Electronic Information



Specifications

opounioations					
Product model	H2	Н3	H3+	H4	Н6
Imaging and optics					
Detector type			VOx, 7.5 to 14μm		
Infrared resolution	256 × 192@12μm	320 × 240@12μm	384 × 288@12μm	480 × 360@12μm	640 × 480@12μm
Super resolution	Yes, Upgrade to 512 × 384	Yes, Upgrade to 640 × 480	Yes, Upgrade to 768 × 576	Yes, Upgrade to 960 × 720	Yes, Upgrade to 1280 × 960
NETD		≤45	5 mK		≤40 mK
Infrared frame rate	30 Hz / 9 Hz				
Focal length	10.5 mm 17.7 mm				
Field of view		10.0 11111	25° × 19°	17.7	
IFOV	1.70mrad	1.36mrad	1.13mrad	0.91mrad	0.68mrad
Minimum object distance		1.301111au 1m	1.13IIIau	0.91111au 0.15m	0.00iiii au
D:S	588:1	735:1	885:1	1099:1	1470:1
	388.1				14/0.1
Focusing mode			al / Automatic / Continuous au		44.00
Digital zoom	1.1x to 8x 1.1x to 10x 1.1x to 16x 1.1x to 20x				1.1x to 20x
Shot recognition	Auto				
Measurement and analysi	_				
Measurement range	Support auto-switching: -40°C to 150°C, 0°C to 650°C	Support auto-switching: -40	0°C to 150°C, 0°C to 650°C, Op	tional 500°C to 2000°C (High t	emperature lens is required)
Measurement accuracy	-40°C 10 150°C, 0°C 10 050°C		-2°C or ±2° whichover is great	tor	
Analyzed target	±2°C or ±2%, whichever is greater \$\text{Spot} \times 5. \text{Line} \times 5. \text{Area} \times 5. \text{Line} \times 6. \text{Line} \times 6. \text{Line} \times 16. \text{Line} \times 16. \text{Area} \times 16. \text{Line} Line				
Analyzed larget					
Tracking / Alarm	Full screen maximum, minimum and average temperature tracking; The maximum, minimum and average temperature tracking of analyzed target; full screen temperature threshold alarm (image, voice and flash)				
Temperature measuring parameters	Emissivity, reflected temperature, target distance, humidity, atmospheric transmittance, optical transmittance, dew point				
Others		Isothermals,	Smart Stroke, Intelligently cald	culate the area	
Image display		,			
Display screen		Δ:	3', 800×480 pixel touchscreen	I CD	
Digital camera	5	MP		MP	13 MP
Image mode		IVII	IR, VIS, MIF, PIP	IVII	10 1011
Image adjustment		Lovelepan		atio Manual	
	Level span mode: Automatic, Semi-automatic, Manual White Hot, Iron Red, Arctic, Rainbow 2, Hot Iron, Rainbow 1, Fulgurite, Medical, Tint, Black Hot, Blue Hot, Sepia, Green Hot, Ice and Fire, Amber,				
Color palettes			Customized	•	
Functions Describes function	Dhata and video (in	fragad 0 visible light\	Dhata (imaga	atitahina) and vidaa (infrarad	0 visible light\
Recording function	Photo and video (infrared & visible light) Photo (image stitching) and video (infrared & visible light)				
Cloud Services	Available Customized physical button, Intelligent diagnosis, OTA update				
Others		Customized ph	ysical button, intelligent diagno	osis, UTA update	
Storage and transmission					
Storage media	Local storage (64 GB) and external SD card (64 GB and up to 256 GB)				
Image storage	JPG with temp info				
Video storage	MP4 format (without temp info) can be used to record audio synchronously; Irgd (with temp info), up to 30 Hz (optional) for temperature analysis				
External interface	Type-C, SD card slot, UNC ¼"-20 (Tripod mounting)				
WIFI	Yes, it can be connected to the mobile terminal for image and real-time video transmission				
Bluetooth	Bluetooth 5.0, support image transmission (only for Android)				
Power system					
Battery type			Lithium-ion rechargeable batte	ry	
Battery working time		≥5 hours		≥4 h	nours
Charging mode	TYPE-C charging; PC/portable charger; Capable of charging while using				
Charging time		591	90% of full charge in 2.5 hours		
Environmental parameters	S				
Working temperature			-20°C to 50°C		
Storage temperature	-40°C to 60°C IP54				
IP rating					
Drop	2m drop test				
Certification	CE, FCC, ROHS, KCC, Anatel, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS				
Physical parameters					
Hardware	Laser (Indication, Ranging 0.1m to 40m), Illuminator, Microphone, Speaker, Electronic Compass, GPS				
Weight	≤1.15KG (with battery)				
Size $(L \times W \times H)$	292 × 125 × 125 mm				
Software kit	PC: ThermoTools; Mobile: Thermography (iOS/Android)				
Standard	A device (with lens), Front and lens covers, Lithium-ion battery (2 pcs), Desktop charger, Power adapter, Adapter plug (for China, US, UK, Australia and Europe), Cable (double-headed TYPE-C USB), TYPE-C USB cable, Ethernet Cable, TYPE-C to RJ45, SD card (64 GB), Wrist strap, Shoulder strap, Safety box, Packaging list, Quick Start Guide, Data download card (analysis software & user manual), Certificate of approval, Factory certificate				
Options	Battery, optional lens (44°, 15°, 7°, 25°), Carrying bog, Tripod, Bluetooth earphone, Docking station	lens), Carrying bog, Tripod,	15°, 7°, 25°, high-temperature Bluetooth earphone, Docking ation	lens, macro lens), Carryi	15°, 7°, 25°, high-temperature ng bog, Tripod, Bluetooth ocking station

Supplied by:



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