

Introduction

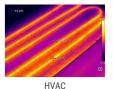
With a built-in self-developed high-sensitivity IR detector with a maximum resolution of 640x480, a 13MP visible light camera, and 5 focusing modes, Hammer Series, the high-precision thermal camera designed specifically for the industrial field helps users intuitively view high-definition images and 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

opcomounons					
Product model	H2	Н3	H3+	H4	Н6
Imaging and optics					
Detector type			V0x, 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 mK ≤40 mK				
Infrared frame rate	30 Hz / 9 Hz				
Focal length	10.5 mm 17.7 mm				
Field of view			25° × 19°		
IFOV	1.70mrad	1.36mrad	1.13mrad	0.91mrad	0.68mrad
Minimum object distance		1m		0.15m	
D:S	588:1	735:1	885:1	1099:1	1470:1
Focusing mode	Manual / Automatic / Continuous autofocus				
Digital zoom	1.1x to 8x 1.1x to 10x 1.1x to 16x 1.1x to 20x				
Shot recognition	Auto				
Measurement and analysi					
Measurement range	Support auto-switching:	Support auto-switching: -40	0°C to 150°C, 0°C to 650°C, 0p	tional 500°C to 2000°C (High t	emperature lens is required)
Measurement accuracy	-40°C to 150°C, 0°C to 650°C		±2°C or ±2%, whichever is great	ior	
Analyzed target	Spot×5, Line×5, Area×5	Spot×8, Line×8, Area×8			Spot×16. Line×16. Area×16
	Spot×5, Line×5, Area×5 Spot×8, Line×8, Area×8 Spot×10, Line×10, Area×10 Spot×12, Line×12, Area×12 Spot×16, Line×16, Area×16 Full screen maximum, minimum and average temperature tracking; The maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum, minimum and average temperature tracking of analyzed target; full screen maximum and average temperature tracking of analyzed target; full screen maximum and average temperature tracking of analyzed target; full screen maximum and average temperature tracking analyzed target analyzed target and a screen maximum and average temperature tracking analyzed target analyzed t				
Tracking / Alarm	Tan ooreen maximani, minin	3 1	ature threshold alarm (image,	3 1	doking of undiffed target, ful
Temperature measuring	Emissivity, reflected temperature, target distance, humidity, atmospheric transmittance, optical transmittance, dew point				
parameters					
Others		Isothermals,	Smart Stroke, Intelligently calc	ulate the area	
Image display	I				
Display screen	4.3', 800×480 pixel touchscreen LCD				
Digital camera	5	MP		MP	13 MP
Image mode			IR, VIS, MIF, PIP		
Image adjustment	Level span mode: Automatic, Semi-automatic, Manual				
Color palettes	White Hot, Iron Red, Arcti	c, Rainbow 2, Hot Iron, Rainbo	w 1, Fulgurite, Medical, Tint, Bl	ack Hot, Blue Hot, Sepia, Gree	n Hot, Ice and Fire, Amber,
Functions			Customized		
Recording function	Photo and video (in	frared & visible light)	Photo (image	stitching) and video (infrared	& visible light)
Cloud Services	Available				
Others		Customized nh	ysical button, Intelligent diagno	nsis OTA undate	
Storage and transmission		ouotonnizeu pri	Joiour Button, Intelligent diagno	7010, 0 171 upuute	
Storage media		Local storage (64 (GB) and external SD card (64 G	B 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		Diactootii 5.5,	support image transmission (c	iny for Android)	
Battery type			Lithium-ion rechargeable batte	rv	
Battery working time	≥5 hours ≥4 hours				
Charging mode	TYPE-C charging; PC/portable charger; Capable of charging while using				
Charging time	90% of full charge in 2.5 hours				
Environmental parameters	<u> </u>		20 % Or run Charge III 2.3 HOUR		
•			-20°C to 50°C		
Working temperature	-20°C to 50°C -40°C to 60°C				
Storage temperature	-40°C to 60°C IP54				
IP rating	2m drop test				
Drop	CE, FCC, ROHS, KCC, Anatel, Damp heat test, Vibration test, Shock test, Impact test, UN38.3, MSDS				
Certification	CE,	roo, kuns, kuu, Anatei, Dam	p near rest, vibration test, Sho	ck test, impact test, UN38.3, M	פעפ
Physical parameters	1	(I I' I' D ' 04 I	40 \ 111 ' ' ' ' ' ' ' '	0 1 51 1 0	000
Hardware	Laser (Indication, Ranging 0.1m to 40m), Illuminator, Microphone, Speaker, Electronic Compass, GPS				
Weight	≤1.15KG (with battery)				
Size (L × W × 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