

C Series

High Performance Thermographic IR Camera



Introduce

C series thermographic camera is an intelligent inspection device superior to any other thermal imaging products in its class. High resolution allows the electrical and mechanical users to pinpoint any overheating quickly and take accurate temperature measurement intuitively on a 5-inch 720P LCD display. The ergonomic rotating LCD and lens design makes it comfortable to aim up at any overhead components. Based on an open Android operating system design, it works not only as a thermal camera but also a mobile terminal for versat.

Features and Benefits

- Rotating LCD display up 270°C for easy viewing angle
- Rotating lens detents up to 70°C for easy viewing angle
- Android based operation system with open platform for various APP developments and convenient program updating
- Powerful onboard analysis and reporting capabilities
- Multiple image presentation including IR, visible, PIP and MIF
- Wi-Fi data transfer
- Optional high temperature range measuring up to 2000°C
- Targeting electrical and industrial applications

Application Electrical diagnosis / R&D / Science education / Building diagnosis/HealthCare

Specifications

	C400M	C400	C640	C640Pro
Detector Type	384×288,7.5~14μm	384×288,7.5~14μm	640×480,7.5~14μm	
NETD	40mk	45mk	40mk	30mk
Frame Frequency	25Hz/9Hz			
Focus	Motor-drive/Auto			
Standard Lens	21.7°×16.4°/25mm/F1.0	21.7°×16.4°/25mm/F1.0	24.6°×18.5°/25mm/F1.0	
Optional Lens	/	40.5°×31°/13mm/F1.1	45.4°×34.9°/13mm/F1.1	
		10.0° x 7.5° /55mm/F1.1	11.3° x 8.5° /55mm/F1.1	
		6.7° x 5.1° /85mm/F1.2	7.3° x 5.5° /85mm/F1.2	
		High-temp filter lens		
Focusing Range	25mm/0.4m	25mm/0.4m 13mm/0.15m 55mm/2m	25mm/0.3m 13mm/0.1m 55mm/1.5m	
IFOV(mrad)	25mm/0.99	25mm/0.99 13mm/1.84 55mm/0.45	25mm/0.67 13mm/1.24 55mm/0.31	
LCD Display	5",1280×720 High Light Touch Screen			
Viewfinder	1280×960 LCOS Screen			
Brightness Contrast	Auto/Manual/Fixed			
Image Mode	IR image/Visual image/PIP/MIF			
Digital Zoom	1.1~4x	1.1~4x continuously		1.1~10x continuously
Palette	8			10
Measurement Range	20°C~60°C	Filter 1:-20°C~150°C;Filter 2:150°C~800°C;Optional 2000°C		
Accuracy	±±0.4°C(32°C~38°C)	±2°C~±2%	Filter 1:±1°C~±1%;Filter 2:±2°C~±2%	
Spot	5 spots		8 spots	10 spots
Line	5 lines		8 lines	10 lines
Area	5 areas		8 areas	10 areas
Analysis Info Storage	Saved with image(spot,line areas)			
Auto Tracking	either max or min			both max and min
Isotherm	Upward/Downward			Upward/Downward and Internal
Temperature Alarm	Visual and Voice			
Image Format	JPG or with raw data			
Image Internal Storage	16G (up to 32G)			
Sketch on image	YES			
Report Creation	PDF format			
Report Print	Wi-Fi print			
Video Format	H.264(with temperature information)			
Video Internal Storage	Manual			Internal storage
Dual-path Recording	N/A			Yes
Hardware	5MP Visual camera;Illuminator;laser;Wi-Fi;Microphone(Volume adjustable);Speaker(Volume adjustable);Digital compass;GPS;Light sensor;Bluethooth(only C640 Pro)			
Interface	Micro USB 2.0,SD card,Gigabit Ethernet,Tripod,Mini HDMI			
Battery	Rechargeable Li-ion Battery,operating more than 4 hours			
Sleeping Mode	YES			
Working Temperature	15°C~35°C	- 15°C~50°C		
Storage Temperature	- 40°C~70°C			
Humidity	10%~95%			
Shock	25G,IEC 60068-2-29			
Vibration	2G,IEC 60068-2-6			
Weight	1350g			
Size	206mm×145mm×135mm			

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