



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

Model	C400	C640	C640P
IR Imaging Performance			
IR resolution	384×288@25μm	640×480@17μm	
Detector type	VOx/7.5~14μm	VOx/7.5~14μm	
Frame rate	25Hz/9Hz		
NETD	45mk	40mk	30mk
Focal length	25mm/F1.0		
Field of view(FOV)	21.7°×16.4°	24.6°×18.5°	
Spatial Resolution(IFOV)	0.99mrad	0.67mrad	
Min focus distance	0.4m	0.3m	
Focus	Motor-drive/Auto		
Optional lens (* Focal length/ FOV / IFOV / Min focus distance # FOV / IFOV / Working distance ® Temp Range)			
Wide angle*	13mm/F1.1/40.5°×31.0°/1.84mrad/0.15m	13mm/F1.1/45.4°×34.9°/1.24mrad/0.1m	
Telephoto*	55mm/F1.1/10.0°×7.5°/0.45mrad/2m	55mm/F1.1/11.3°×8.5°/0.31mrad/1.5m	
Ultra Telephoto*	85mm/F1.2/6.7°×5.1°/0.29mrad/4m	85mm/F1.2/7.3°×5.5°/0.2mrad/4m	
Macro lens#	8°×6°/37.5um/67mm	14°×11°/37.5um/67mm	
High temp®	-20°C~150°C , 150°C~800°C , 800°C~2000°C		
Image Presentation			
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		
Palette	8	10	
Digital Zoom	1.1~4x continuously		1.1~10x continuously
Super-resolution	768 x 576	1280 x 960	
level span	Auto, Semi-automatic, Manual		
Panorama image mosaic	Yes	N/A	Yes
Measurement			
Measurement Temp Range	Filter 1:-20°C~150°C; Filter 2:150°C~800°C; Optional 2000°C		
Accuracy	±2°C~±2%	Filter 1:±1°C~±1%	Filter 2:±2°C~±2%
Spot Temp (IR/PIP)	5 x spots	8 x spots	10 x spots
Line Temp (IR/PIP)	5 x lines	8 x lines	10 x lines
Area Temp (IR/PIP)	5 x areas	8 x areas	10 x areas
Analysis Info Storage	Saved with image(spot,line,areas)		
Auto Max & Min Temp Tracking (IR / PIP)	1. Full screen max temp, min temp, max+min temp, max+min+average temp tracking 2. Analysis object max temp, min temp, max+min temp, max+min+average temp, average temp tracking		
Isotherm	Upward/Downward	Upward/Downward and Internal	
Temperature Alarm	Visual and Voice		
Storage			
Image Format	JPG or with raw data		
Image Internal Storage	SD 16G (up to 32G)		
Report Creation	PDF format,Wi-Fi print		
Video Format	H.264(with temperature information)		
Video Internal Storage	Manual	Internal storage	
Dual-path Recording	N/A	Yes	
Other			
Hardware	5MP Visual camera, Illuminator, laser, Wi-Fi, Microphone(Volume adjustable) , Speaker(Volume adjustable) , Digital compass, GPS, Light sensor, Bluetooth(Only C640 P)		
Interface	Micro USB 2.0, SD card, Gigabit Ethernet, Tripod, Mini HDMI		
Battery	Rechargeable Li-ion Battery, Operating more than 4 hours , Sleeping mode		
Working Temperature	- 15°C~50°C		
Storage Temperature	- 40°C~70°C		
Encapsulation	IP54		
Weight	1350g		
Size	206mm×145mm×135mm		
Standard Accessories	Li-ion battery,Power supply adapter, Adapter plug (5 pcs), Shoulder strap,USB cable, HDMI cable, Network cable, Quick Start Guide, User Manual, Data Download Card, SD card(16G), Hard transport case		
Optional Accessories	Li-ion battery, Pouch, Battery charger, Bluetooth earphone, Extended lens, Lens bag		

Contact us :



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