Guide sensmart

C400M

High Performance Thermographic IR Camera

iF DESIGN AWARD 2017

红星奖 Red Star Design Award

Introduce

C400M infrared thermal camera designed for human body temperature detection. With high IR resolution 400x300 and temperature measurement accuracy (≤±0.4℃) ensures the high-precision rapid human body temperature detection on a 5-inch 720P LCD display.The ergonomic rotating LCD and lens design makes it convenient for human body temperature screening. Based on an open Android operating system design, it works not only as a thermal camera but also a portable body temperature rapid screening system.

Application   HealthCare

Features and Benefits

- Measurement Range 20℃~60℃, accurancy ≤±0.4℃
- Rotating LCD display up 270℃ 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
- Targeting electrical and industrial applications

Specifications

Model	C400M
IR Imaging Performance	
IR resolution	384×288
Detector type	VOx/25μm/7.5~14μm
Frame rate	25Hz/9Hz
NETD	40mk
Focal length	25mm/F1.0
Field of view(FOV)	21.7°×16.4°
Spatial Resolution(IFOV)	0.99mrad
Min focus distance	0.4m
Focus	Motor-drive/Auto
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
Digital Zoom	1.1~4x
Panoramic Mosaic	N/A
Measurement	
Measurement Range	20℃~60℃
Accurancy	≤±0.4℃ (32℃~38℃)
Spot	5 spots
Line	5 lines
Area	5 areas
Analysis Info Storage	Saved with image(spot,line,areas)
Auto Tracking	Either max or min
Isotherm	Upward/Downward
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
Dual-path Recording	N/A
Other	
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
Working Temperature	15℃~35℃
Storage Temperature	- 40℃~70℃
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