



Ci-V320 Infrared Thermal Imaging Camera



Ci-V320 is a high-precision infrared thermal imaging camera, which can measure the temp of target objects in real time, output thermal image video and alarm when over-temp condition. It adapts with different platform software, powered by USB and as well for data transmitting, realizing convenient and fast deployment, it's been used in public inspection at entrance/exist of factories/exhibitions etc under the global pandemic. Based on on-site deployments, Ci-V320 can carry out temp compensation varying with environment changes voluntarily without continuous blackbody calibration and control the error within the range of $\pm 0.6^{\circ}\text{C}$ ($\pm 1.08^{\circ}\text{F}$). If with black body calibration, the temperature can be more accurate.

FEATURE

- USB Plug and Play Mode
- Contactless Infrared Thermal Human Body Temperature Measurement System With High Accuracy and Fast Speed
- Temperature Measurement Accuracy $\pm 0.6^{\circ}\text{C}$ ($\pm 1.08^{\circ}\text{F}$) Without Black Body
- Wide Detection Range, Fast Speed, No Interference
- Multi-Language Software Available, Voice Alarm, Easy for Deployment
- Computer Software and SDK Provided



INFRARED IMAGING PARAMETER

Resolution	320 x 240
Response Wave Band	8-14um
Frame Rate	9Hz
Netd	70mK @25°C (77°F)
Field Angle	34.4 in horizontal, 25.8 in vertical
Lens	6.5mm
Measurement Range	-10°C - 300°C (14°C-572°C)
Measurement Accuracy	For human body, the temp compensation algorithm can reach $\pm 0.6^{\circ}\text{C}$ ($\pm 1.08^{\circ}\text{F}$)
Measurement	Temp measuring area and center point can be set
Color Palette	Iron red, White, Rainbow, cold blue etc

GENERAL PARAMETERS

Communication Interface	Micro USB 2.0, powered and data transmission by USB
Language	English
Operating Temp	-20°C (-4°F) ~ +60°C (+140°F) (for the requirement of accurate temp measurement of human body, it is recommended to use at ambient temp of 10°C (50°F) ~ 30°C (+86°C))
Storage Temp	-40°C (-40°F)- +85°C (+185°F)
Waterproof and Dustproof	IP54
Size	129mm* 73mm* 61mm (L*W*H)
Net Weight	295g
Picture Storage	BMP, JPG
Installation	Standard tripod or pan-tilt hoisting is adopted



SOFTWARE INTERFACE

Temperature Display	High temp tracking in measurement area can be set, and fixed-point measurement of center temp can be carried out
Alarm	Available for alarm over the set threshold temp (high and low temp), can sound alarm, snapshot alarm photos and store simultaneously
Frame Temp Measurement	Temp measurement is set according to different entry and exit personnel channels
Temp Compensation	The staff can set up temp compensation according to the environments
Photograph	Manually under opening, automatically under alarming
Cloud Service	Customizable