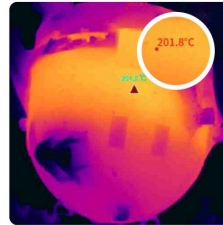


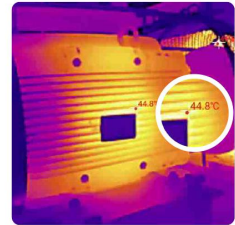
C2

Infrared Thermal Imaging Camera

The C2 Series Infrared Thermal Imaging Cameras can be divided into the C2S standalone version/C2N online version. It is a professional handheld infrared real-time temperature measurement tool that can be connected to smartphones or computers via wireless network and observe thermal images in real-time on a dedicated app, offering clear imaging and precise temperature measurement, suitable for monitoring equipment operating status, ambient temperature, etc.



High temperature section



Low temperature section

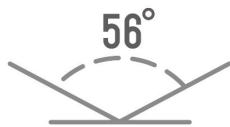
- Universal for Android and Apple systems
- High resolution of 756*768 pixels
- 5G + WiFi network interconnection
- Clearer and smoother imaging
- Powerful magnetic backplane
- Industrial-grade temperature measurement, wide temperature range
- 6 hours of lasting battery life
- More application scenarios



Upgrade 5G+WiFi
Fast and seamless connection



Built in battery,
long-lasting battery life



Wide field of view angle



Visible Light/Infrared Thermal Image Display on the Same Screen

It supports output of visible light and infrared thermal images on the same screen, providing clearer and smoother imaging. It supports 10 different image colors, allowing for custom switching of appropriate image color scenes based on different application scenarios.

Wireless network connection

It supports wireless network connection to smartphones or computers for remote observation of target images and temperature monitoring. The computer client can monitor up to 36 devices simultaneously.

Multi-shape precise temperature measurement

The system can select areas for focused temperature measurement as needed, with options for point, line, and frame shapes, and supports sliding temperature bar for rendering temperature range.

Real-time tracking of high and low temperatures

The system can automatically track the highest and lowest temperature points within the range, making temperature changes more intuitive. It supports custom high and low temperature threshold alarms, providing vibration prompts to devices and smartphones.

Wide range of application scenarios

The system can be used for floor heating inspection, power equipment monitoring and maintenance, home appliance maintenance and repair, security monitoring, privacy protection, pet searching, etc.

Compact and portable, easy to use

The device can be handheld or fixed to a workstation using a powerful magnetic backplane.

Basic parameters

Host System		
Host System	C2S standalone version	C2N online version
Detector	Vanadium oxide uncooled focal plane detector	
Detector resolution	256*192	
Noise equivalent temperature difference (ETD)	≤50mK@25°C, F#1.0	
Detector frame rate	≤25Hz	
Lens	3.2mm	
Field of view	52°*42°	
Focusing	Focus free	
Temperature measurement range	Accuracy ±3°C or ±3% of reading	
Temperature measurement method	A total of 9 measurement methods including point, line, frame, displaying point temperature and the highest and lowest temperatures of line and frame	
Environmental variable correction	Environmental temperature correction, target distance correction, emissivity correction	
Alarm function	Full screen temperature alarm and center temperature alarm, high and low temperature hotspot tracking	
Network protocol	/	IPV4, PTSP, RTCPPTP, TCP, UDP
Safe mode	/	Authorized user and password
Image stream format	H.264/H.265	
Primary stream image	768*576, ≤25Hz	

Host System		
Image processing	Non-uniformity correction, intelligent gain control	
Image enhancement	Digital detail mixed enhancement, 3D noise reduction	
Color palette	Support 7 types of palettes including black hot, white hot, ironbow, rainbow, etc.	
Image storage format	32G TF card	64G TF card
Power supply	Built-in battery power supply (can be directly powered via Type-C)	
Typical power consumption	≤1.5W	

Environmental parameters		
IP rating	IP66	
Operating temperature	Thermal imaging -40°C to 80°C, industrial temperature measurement -10°C to 75°C	
Storage temperature	-45°C to 85°C	
Dimensions	145×35×33mm	
Weight	144g	
Product material	Plastic + aluminum alloy	
SDK	Supports SDK secondary development by customers	
External port	Type-C port	
Base	/	Yes

