MC200

Thermal Network Eyeball Camera

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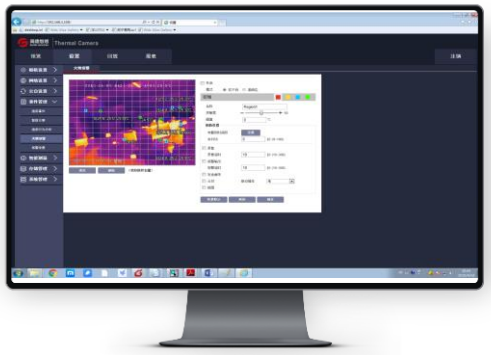

Introduction

Equipped with the self-developed 256x192 IR detector, MC200 provides both thermal and visible-light imaging. Its palm-sized body allows itself to be easily installed on walls, ceilings or somewhere that is hard to reach, like distribution cabinets, to monitor critical equipment. Clear imaging, accurate temperature measurement and rapid positioning of equipment can help field personnel quickly identify thermal hazards and assist them in decision-making to ensure equipment safety.

Features and Benefits

- Clear thermal imaging supported by 256x192 uncooled VOx detector
- 5 MP visible light by 1/2.7-inch CMOS sensor
- 56°(H) x 42°(V) FOV
- IP67 rating enclosure that can be installed in harsh
- ONVIF and other network protocols
- Temperature measurement alarm through warning lights and horn
- WEB control for real-time preview, alarm, playback, statistical reports and others

Application

Suitable for temperature measurement at close range, such as data room, production workshop, logistics warehouse, wind turbine, charging pile, etc.

Specifications

Product model	MC200
Thermographic	
Detector type	WLP VOx
Detector resolution	256 × 192
Pixel size	12μm
Wavelength range	8μm to 14μm
NETD	≤45mK@30°C
Thermographic camera lenses	3.2mm, 56° × 42°
Detail enhancement	Supported
Noise reduction	2D/ 4D noise reduction
Image flip	180°/ mirror image
Pseudo colors	9 pseudo colors: White Hot, Black Hot, Rainbow and so on
Temperature measurement	
Measurement range	Low: -20°C to 150°C; High: -20°C to 551°C
Measurement accuracy	±2°C or ±3% (whichever is greater)
Target setting	Up to 21 targets； 6 spots/ rectangles, 3 polygons (calibrated 7-point polygon)/ circles/ lines
Cold/ hot spot tracking	Supported
Full-screen point temperature measuring	Supported
Query and export of temperature measuring information	Supported
Visible light	
Sensor type	1/ 2.7"CMOS
Maximum resolution	2592x1944
Minimum illuminance	Color: 0.05lux; black and white: 0.005lux, 0Lux(Infrared light ON)
Visible light gain control	Auto/ manual
Visible light noise reduction	2D/ 4D noise reduction
Backlight compensation	Supported
Wide dynamic	Supported
Strong-light photoinhibition	Supported
Image flip	180°/ mirror image
Exposure compensation	Supported
Visible light lens	2.8mm; 65° × 49°
Fill light	Infrared fill light + White light
Image	
Video compression standard	Switch between three standards H.265, H.264 and MJPEG
Image coding formats	JPEG
Code stream	Visible light: Mainstream (2592 × 1944/2304 × 1296/1920 × 1080/1280 × 720/D1, default 2592 × 1944), Substream (1280x720/D1, default 1280x720); Thermal imaging: Mainstream (512 × 384), Substream (256 × 192)
Protocol and storage	
Network protocol	IPv4/ IPv6, HTTP, SMTP, RTSP, TCP, DHCP, ONVIF (Automatic search device, RTSP video stream and device control), GB/ T28181, MQTT
SDK/ API	Open API/ SDK for software integration
Local storage	256G TF card
System function	
Language version	Chinese/ English
Browser	Supported
User management	Max. 10 users with two levels of user accounts (Admin and User)
Fault detection	Network interrupt detection; IP conflict detection; Illegal access; storage exception
Hardware interface	
Power interface	DC12V±20%/POE
Network interface	One 10M/ 100M Ethernet port, POE (802.3 at)
Alarm interface	1 input and 1 output
Other interfaces	1-channel RS485, audio 1 in 1 out
Environmental	
Working temperature	-20°C to +60°C
Working humidity	≤ 90%, non-condensing
Encapsulation	IP67, surge protection (2KV) and static protection(4KVcontact/8KVair)
Physical	
Power consumption	≤6W
Size	≤112mm × 112mm × 100mm
Net weight	≤ 0.7Kg
Installation mode	Top mounting/hoisting mounting/wall mounting