Thermal Bullet Camera

Product overview

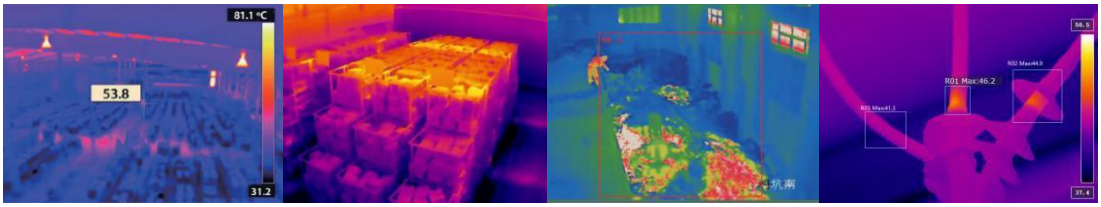
Thermal Bullet Camera is mainly developed based on the principle of infrared heat radiation. It is a non-contact, real-time, continuous and accurate temperature measurement device. It has the characteristics of small size, low power consumption, and easy integration. The change of the target state, combined with the software system of the device, can visualize the temperature information of the temperature measurement object, and realize multiple functions such as equipment maintenance, fault detection, industrial process control, and quarantine. It can be widely used in electric power temperature measurement and industrial automation, inspection and quarantine and other fields.

Thermal imaging function

- The device supports front-end temperature measurement, and supports point, line, frame temperature measurement.
- High sensitivity detector, support contrast adjustment.
- Highest temperature cross cursor tracking and positioning.
- Temperature measurement accuracy: ±2℃ or ±2% of reading, maximum value.
- Support timing, temperature difference and shutter correction in manual mode.
- Support 3D noise reduction function, adjustable false color, image detail enhancement function.
- Support mirror image, digital zoom and local video output.
- Rich network cable interface protocols, supporting RTSP, ONVIF and other protocols.
- Powerful data lossless compression performance (one real-time H.264 stream + one real-time temperature data stream).
- Lightweight and portable, low power consumption, small size, easy integration.

Application scenarios

It can be applied to various flammable, explosive and high-risk places such as electric power, hazardous chemical storage yards, warehouses, petroleum and petrochemicals, rotary kilns, solid waste and hazardous waste.

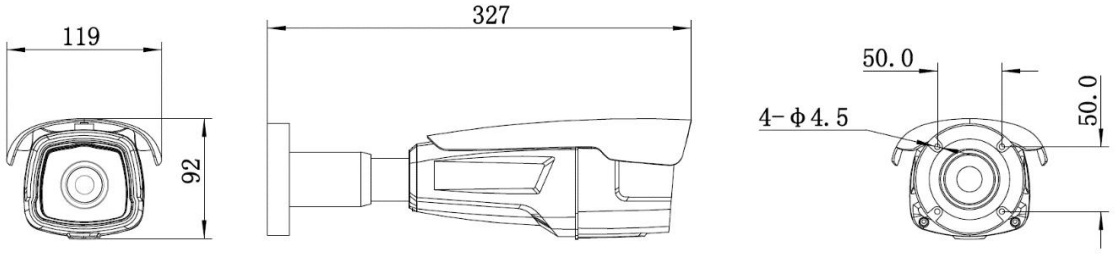


Technical parameter

Model	EX300-T-6.5	EX300-T-13	EX600-T-6.5	EX600-T-13	EX600-T-18
Infrared performance					
Detector type	Uncooled FPA				
Spectral Range	8-14μm				
Thermal Sensitivity (NETD)	<40mK (@30℃)				
IR Resolution	384x288		640x512		
Field of View	6.7mm	13mm	6.5mm	13mm	18mm
Focal Length	44.2°x33.9°	23.6°x17.8°	61.1°x47.7°	32.9°x24.9°	24.0°x18.1°
Spatial resolution (IFOV)	2.53	1.30	1.84	0.92	0.66
Palette	10 color palettes				
Thermometric analysis	Infinite points, infinite boxes, infinite lines				
Object temperature range	-20 ℃~150 ℃ (low temperature range), 0 ℃~410℃ (medium temperature range)				
Optional temperature range	+300 ℃~+650 ℃\+300 ℃~+2000 ℃\other ranges (high temperature range)				
Temperature measurement accuracy	±2℃ or 2% of readings,maximum value				
Interface					
Power interface	φ5.5*2.1 DC power interface				
Network interface	One 10M/100M adaptive Ethernet port				
Network protocol	TCP/IP,IPv4,HTTP,FTP,DDNS,DHCP,RTP,RTSP,UDP,NTP,IGMP,ICMP, ONVIF				
Application programming interface	Support standard protocol (ONVIF), support SDK access				
System parameter					
Voltage supply	DC12V (±25%)				
Power	< 8W				

Operating temperature and humidity	-40℃~65℃，≤90%RH
Protection level	IP66
Weight	1.11kg
Shell material	Die-cast aluminum

Product Size:



Unit: mm