

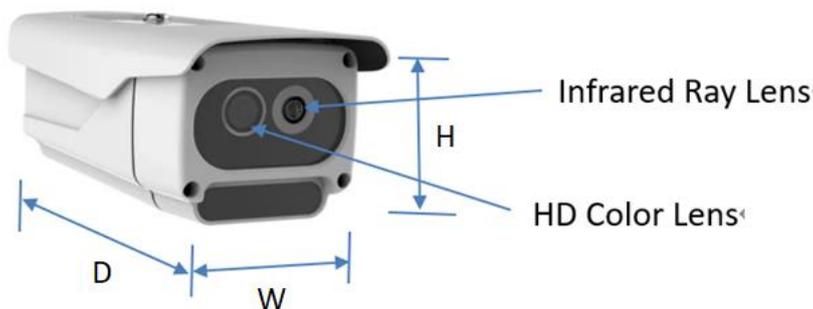
User Manual

Model ET001

Product Introduction:

This product uses thermal imaging technique for non-contact temperature measurement to achieve long-distance rapid measurement applications. It can be used in public gathering places such as schools, shops, restaurant, cinema, supermarkets, rail stations, etc., for public epidemic prevention and for daily temperature measurement needs, especially in current epidemic period. Through company's AI technology and algorithm, we make the cost low enough for more affordability.

Appearance:



Dimensions:

Item	Unit: cm
Camera body	W=9.2, H=7.8, D=17.3

Features:

1. Sense temperature without stopping or contacting by long-distance thermal imaging technology.
2. High speed real-time detection of multiple targets, temperature accuracy $\pm 0.3^{\circ}\text{C}$ and no black body reference needed.
3. Measurement distance up to 5 meters.
4. AI technology: only look for forehead area for temperature.
5. Mask detection and give voice warning.
6. Alarm-lighting and voice broadcast if temperature abnormal.
7. Full-color HD imaging with temperature reading display on top.
8. Face picture capturing if abnormal detected and send out for record keeping.
9. Video output via AHD or HDMI for real time monitoring or storage.

Interface Description:

Infrared thermal sensor	Thermal lens
CMOS color camera	HD Color lens
Ethernet network	RJ45 port
Video	AHD coaxial/HDMI
Serial port	RS-485
Remote control	Infrared receiver
Alarm port	Signal to alarm relay
Speaker	Voice for warning or detection

Product Packing List:

Item	Quantity
Camera body	1
Cable(power/video/network)	1
Power adaptor(12V-DC, 1.5A)	1
User manual	1
Remote control	1
DVR 4-channel(optional)	1
Tripod(optional)	1
Alarm with relay and light (optional)	1

Specification:

Category	Item Description	parameter
Color Image Sensing	Size	1/4 inch
	Resolution	1296x732
	Environment temperature	-20~65°C
	Storage temperature	-40~65°C
Temperature Sensing	Technology	Thermopile far-infrared Sensor
	Distance	Up to 5 meters
	Accuracy(high)	<0.3°C if <2 meters

	Accuracy(medium)	<0.5'C if <5 meters
	Response time	<1 sec
	Frequency	9 Hertz
	Measurement range	15~42'C
	Environment temperature	-20~35'C
	Storage temperature	-40~65'C
	View angle	33 degree

Operation and Setup Guidelines:

1. It is recommended that the walking path at entrance has guideline on the sides and straight approaching path at least 3 meters.
2. It is recommended that the height of camera is around 180cm for better response and accuracy.
3. It is recommended to set up camera indoor or large tent-covered area outdoor.
4. Connect the camera body AHD cable to DVR video input. (if it is an AHD output model) Then, connect DVR video output by HDMI cable to TV.
5. If optional high temperature alarm is included, connect alarm control output to external alarm unit.

Setup Diagram:

