BioSis®

Infrared Smart Human Body Temperature Detection System

HY-2005B   HY-2005B/E

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Powerful, efficient and accurate

Real-time information / history information is displayed at the same time. Query is convenient and fast.

Temperature curve setting is easily learned and easily applied.

Flexible alarm parameter settings

Smart management for abnormal body temperature data

Widely applicable

Series HY-2005B, HY-2005B/E

HY-2005B IR thermal imaging smart body temperature detection system

HY-2005B/E IR thermal imaging smart body temperature detection system

Parameter comparison between two series

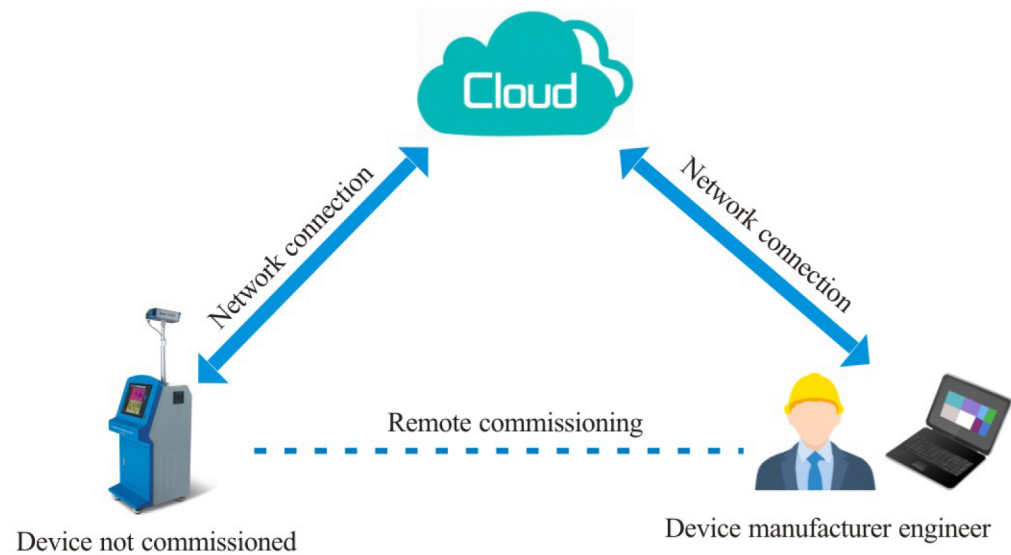| Model	HY-2005B	HY-2005B/E special edition
Measurement accuracy	±0.2℃	±0.3℃
Measurement range	0℃～50℃	20℃～50℃
IR detector pixel	640×512	384×288
IR lens focal length	19mm	15mm
IR imaging distance	200m	150m
IR spatial resolution	0.63mrad	0.99mrad
IR field of view	32°×26°	24°×18°
Temperature resolution (NETD)	0.05℃	0.05℃
Measurement calibration mode	External blackbody real-time calibration	Built-in blackbody real-time calibration
Visible light camera pixel	2 million pixels	1.3 million pixels
Interface, communication protocol	Ethernet, TCP/IP, UDP	Ethernet, TCP/IP, UDP
Video mode	Dual light fusion	Dual light fusion
Device form	Industrial electric cabinet +computer+blackbody bracket	Laptop+two tripods
Temperature at operation	0℃～50℃	0℃～40℃
Power supply	AC 220V	AC 220V
Optimal measurement channel width L	2.5M	2.5M
Optimal measurement distance S	6M to 8M	5M to 7M
Client management software	1 set	1 set
Remote communication 4G internet module and background data management software	1 set	*Optional
Applicable places	Airport, station, port, entry/exit customs	School, enterprise park, community, bazaar, supermarket

Parameter comparison between the two series and other well-known brands

Item	
Classification	IR human body temperature measurement
Measurement accuracy	≥±0.3℃
Measurement stability	Temperature measurement is always stable
Third party identification certificate	National approval certificate of measuring instruments
Third party identification	Supplier of temperature measurement products agreed by AQSIQ for 10 consecutive years
Market segment share of IR body temperature measurement	60% or more
Application situation	HY-2005B has been installed on more than 60% of custom entry-exit inspection and quarantine sites, airports, ports,

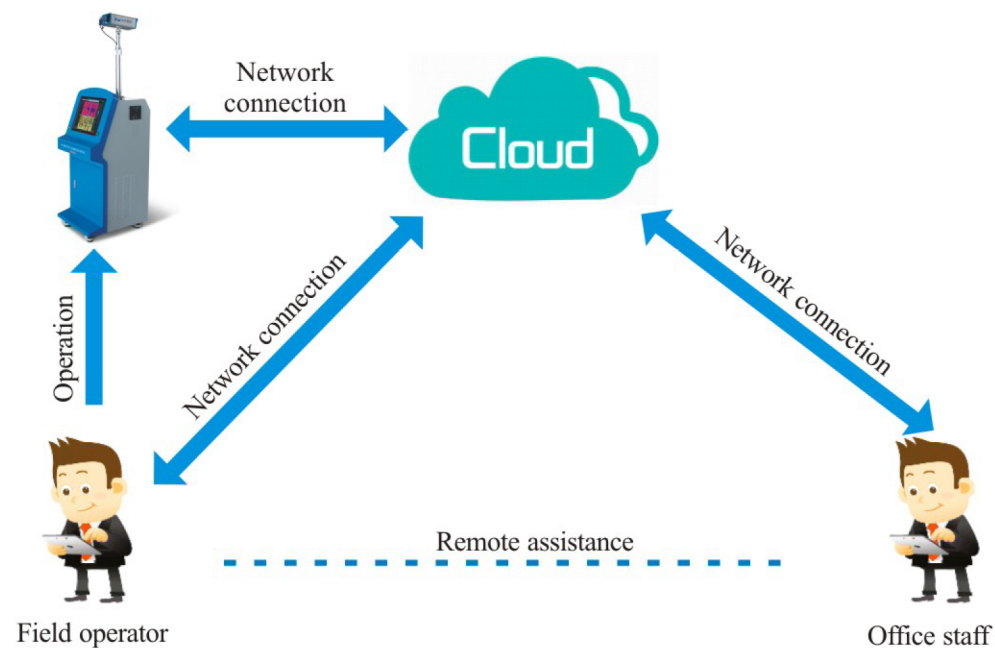HY-2005B has gone through SARS, bird flu, Ebola, swine fever in Africa, plague in Inner Mongolia, etc. |

BioSis®

"Internet+,Smart+"Features

"Infrared Intelligent Body Temperature Detection System" big Data cloud platform: through the Internet of Things technology, all infrared body temperature detection devices are connected to the network to achieve some clouds services: enabling remote debugging of the device, remote use collaboration, remote maintenance and repair, remote device management, remote monitoring and processing, effectiveness statistics analysis, abnormal body temperature big data and smart applications. That reduces the threshold for the device use, provides decision-making basis for epidemic prevention and control departments, and further improves emergency service capabilities, bring diversified means for the prevention and control of epidemic.
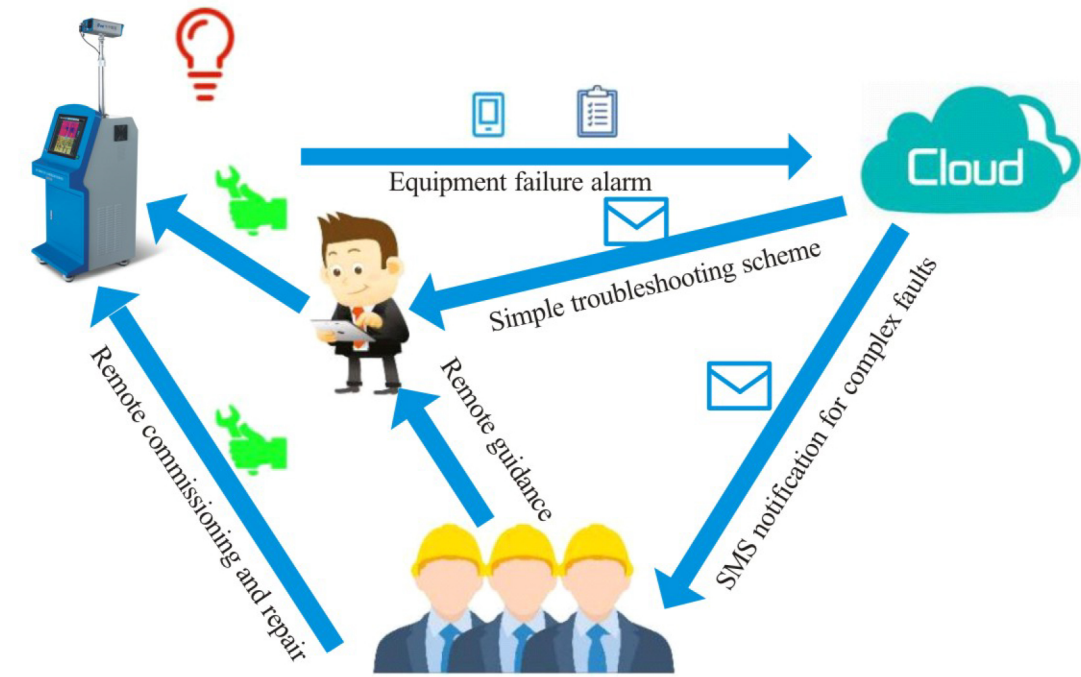
Main functions

Network connection

Network connection

Remote commissioning

Device not commissioned

Device manufacturer engineer

Remote installation and commissioning

Network connection

Network connection

Network connection

Operation

Remote assistance

Field operator

Office staff

Remote service technical support

Equipment failure alarm

Simple troubleshooting scheme

SMS notification for complex faults

Remote guidance

Remote commissioning and repair

Remote maintenance

Remote device management

Remote monitoring and processing

Statistical analysis of results

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