PRODUCT INTRODUCTION

——MOBILE PHONE TYPE H43A13

Real-time laser ranging, high-precision infrared imaging, dual-spectrum (visible light and infrared) image fusion, clearly display fault details, the whole machine weighs 500g, the body is non-slip, can be operated with one hand, the interface is graphical, and point-to-point measurement is available. It has local analysis function, does not need to rely on a computer, can perform secondary analysis on the thermal map, and instantly generate a temperature analysis report.

H43A13 PRODUCT IMAGE

PRODUCT FEATURES

Automatic upload to the cloud

Support WIFI, 4G, bluetooth and type-C, support automatic data upload

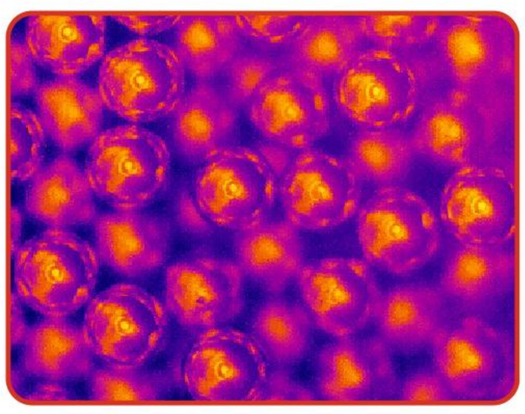
AI function

Support AI functions such as voice and QR code input

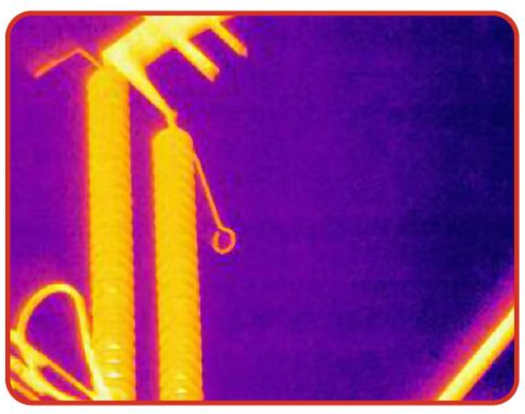
Autofocus

Multi-mode auto focus, auto focus, support button/touch screen one-key focus

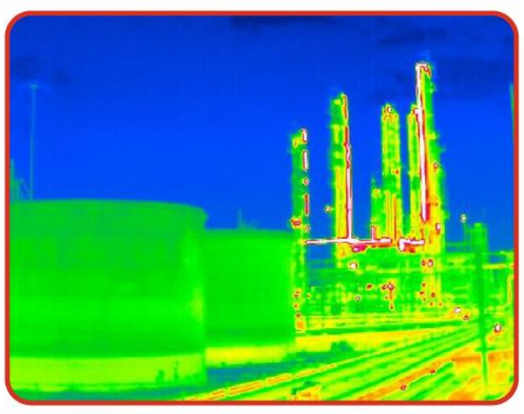
APPLICATION SCENARIOS



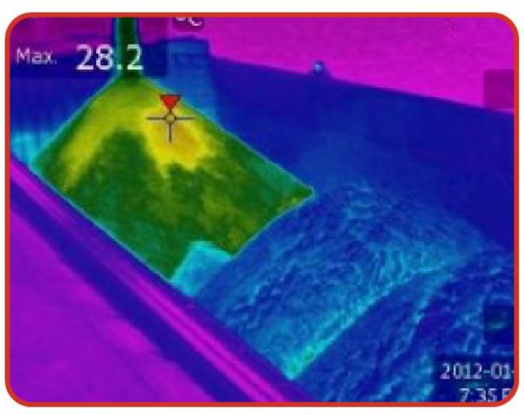
Higher education research



Power operation and inspection



Petroleum and petrochemical

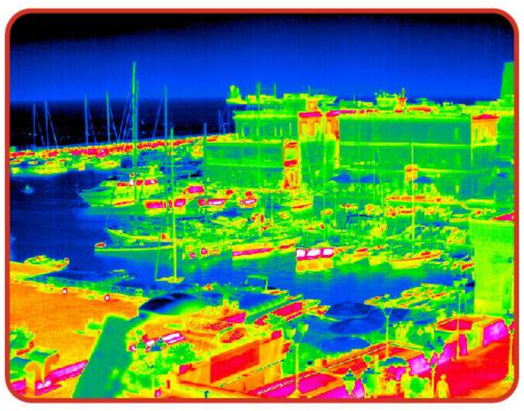


Coal mining and metallurgy

Construction industry

Rail transit

Laser welding



Security inspection

It is suitable for higher education and scientific research, power operation and inspection, petroleum and petrochemical, coal mining and metallurgy, construction industry, property inspection, insurance survey, rail transportation, traditional, large machinery, high-tech, laser, die-casting and other manufacturing industries.

TECHNICAL PARAMETER

Smart phone type（H43A13）	
Advantage parameters	
Infrared detector resolution	384×288
Super Pixel SR Function	Enhanced to 768×576 pixels
Thermal sensitivity(NETD)	NETD<0.05°C@25°C
Frame rate	25Hz
Wavelength range	7.5μm~14μm
Visible light pixels	8MP front camera, 15MP rear camera, dual camera
Detection distance	⩾0.1m
Focusing method	Auto focus/manual focus/multi-point focus
Spatial resolution	1.30mrad
Field of view/focal length	28°×21°,13mm(Optional wide-angle/telephoto lens)
Display	Resolution: 1440×720, 5.5 inches touch operation
AutoFusion Dual spectrum automatic fusion	Infrared and visible light dual spectra are automatically integrated, no manual adjus tment is required; self-adjusting superposition transparency is achieved to achieve visible light temperature measurement
ProThermal Professional thermal imaging mode	All infrared images can open the professional ProThermal thermal imaging mode, which can display the color thermal imaging of the target area more clearly in the real-time color thermal image screen through the touch/adjustment bar, and other areas are displayed in black and white thermal imaging or transparent to highlight the temperature details of the key parts
Wireless Wifi data fast transmission	Support one-click wireless (4G/5G/WIFI) upload of test data, automatic search of PC software, no need to repeatedlyplug and unplug data cables and SD cards
Professional PC analysis software	Standard configuration: Professional analysis: Professional infrared analysis software, manages massive test data, automatically counts the trend of historical temperature data; generates and outputs work reports without manual recording of report data; histograms, 3D views and other multi-tools are displayed simultaneously; temperature data in various forms can be exported, and continuous temperature data can be exported.
Professional laser distance measurement	Millimeter level, measuring range 1.5m, accuracy ±1mm, real-time acquisition of detection distance, prompt safety detection
Positioning system	Supports Beidou/GPS/GLONASS satellite and WIFI/Bluetooth positioning, and location information can be saved in the image
Smart Detection Assistant	Custom scene templates, support scanning QR code to name, support Al voice dictation naming (network connection), support keyboard input naming
Customized temperature range mode	The temperature width (upper and lower limits) can be adjusted manually, and the temperature width is automatically determined according to the format temperature
Protection level	IP54 safety protection, 2 meters drop resistance
Temperature trend tracking	This machine customizes the detection specifications, automatically tracks the temperature trend of the detection target, and provides intelligent fault warning
Temperature measurement analysis	
Temperature measurement range	-20°C~550°C(Extended to 650°C)
Temperature measurement accuracy	±2 °C or ±2% of reading (maximum value at 25 °C)
Temperature measurement method	High and low temperature capture and positioning, center point temperature measurement, movable point temperature measurement, line temperature measurement, regional temperature measurement, realizing movable 9-point temperature measurement, line temperature measurement, regional temperature measurement
Native analysis	The analysis software can edit, analyze and save image/video data,add/delete temperature measurement points, lines and areas, modify temperature measurement settings (full/area emissivity, ambient/reflected temperature, alarm temperature), phase temperature difference settings (turn on/off phase temperature difference, customize/select reference temperature), and the software can be remotely maintained and upgraded
Emissivity correction	Supports custom settings and calls to the built-in material emissivity table to achieve full-scale emissivity and regional emissivity correction. The emissivity is 0.01~1.00, 0.01 step
Color Palette	12 options available (including iron red, rainbow, white hot and black hot, etc.)
Temperature compensation	With emission temperature compensation, ambient temperature compensation, ambient humidity compensation, distance-temperature compensation, transmittance correction
Phase temperature difference analysis	Automatically calculate the interphase temperature difference of electrical equipment in real time and provide a basis for judgment
Warning method	Sound warning, color warning, global warning, zone warning, detection safety distance warning