

IRTECH

V16 Smartphone Thermal Camera

Redefine your smartphone into thermal camera



Interesting detection
Interesting sightseeing
Interesting exploring

FULL TEMPERATURE MEASUREMENT

Type-C



Dimension
57×25×23.5mm

Infrared lens



THE NEW SMARTPHONE APP KEEPS YOU INFORMED

Plug in any smartphone and then display

Infrared video capture

Photo storage



DALI Vision



SENSITIVE AND PRECISE

0.04°C Sensitivity

Perceive subtle temperature changes

±2°C/±2% Accurate

Accurate identification of abnormality

0.1m Detection distance

Focus-free, minimum

Efficient inspection in small spaces



FULL COVERAGE OF TEMPERATURE MEASUREMENT SCENE

-10°C ~ 300°C

Temperature measurement range

From electrical industry diagnosis to Outdoor home testing



SELF-DEVELOPED CORE WITH MILITARY STANDARD

Uncooled infrared focal plane detector

160×120 pixels

2M DROP RESISTANCE

Portable, lightweight and drop-proof
Ultra low power consumption,
smartphone power supply



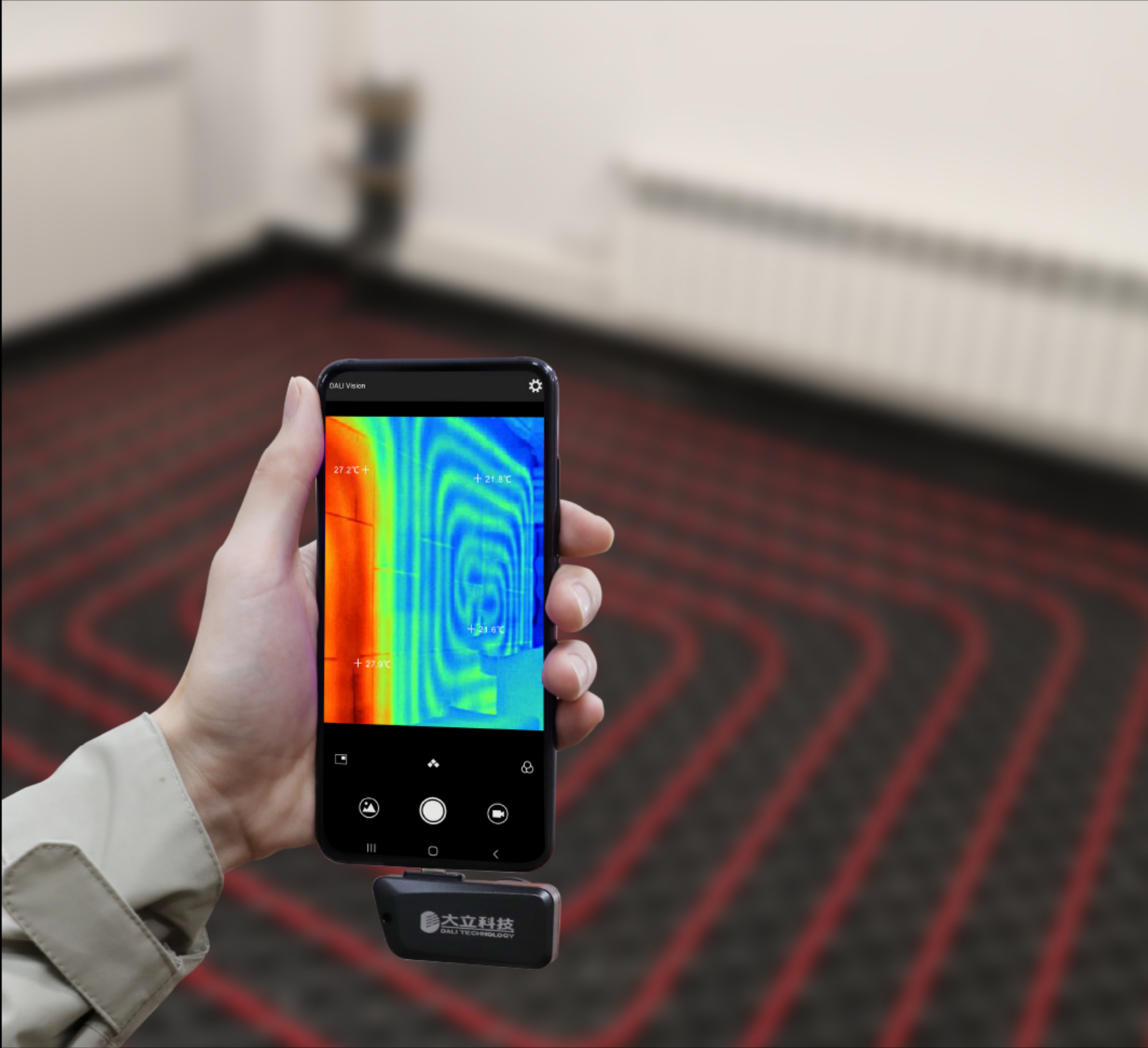
MULTI-MODE IMAGE DISPLAY

Infrared/Picture in Picture
15 kinds of pseudo-color
modes for auxiliary observation

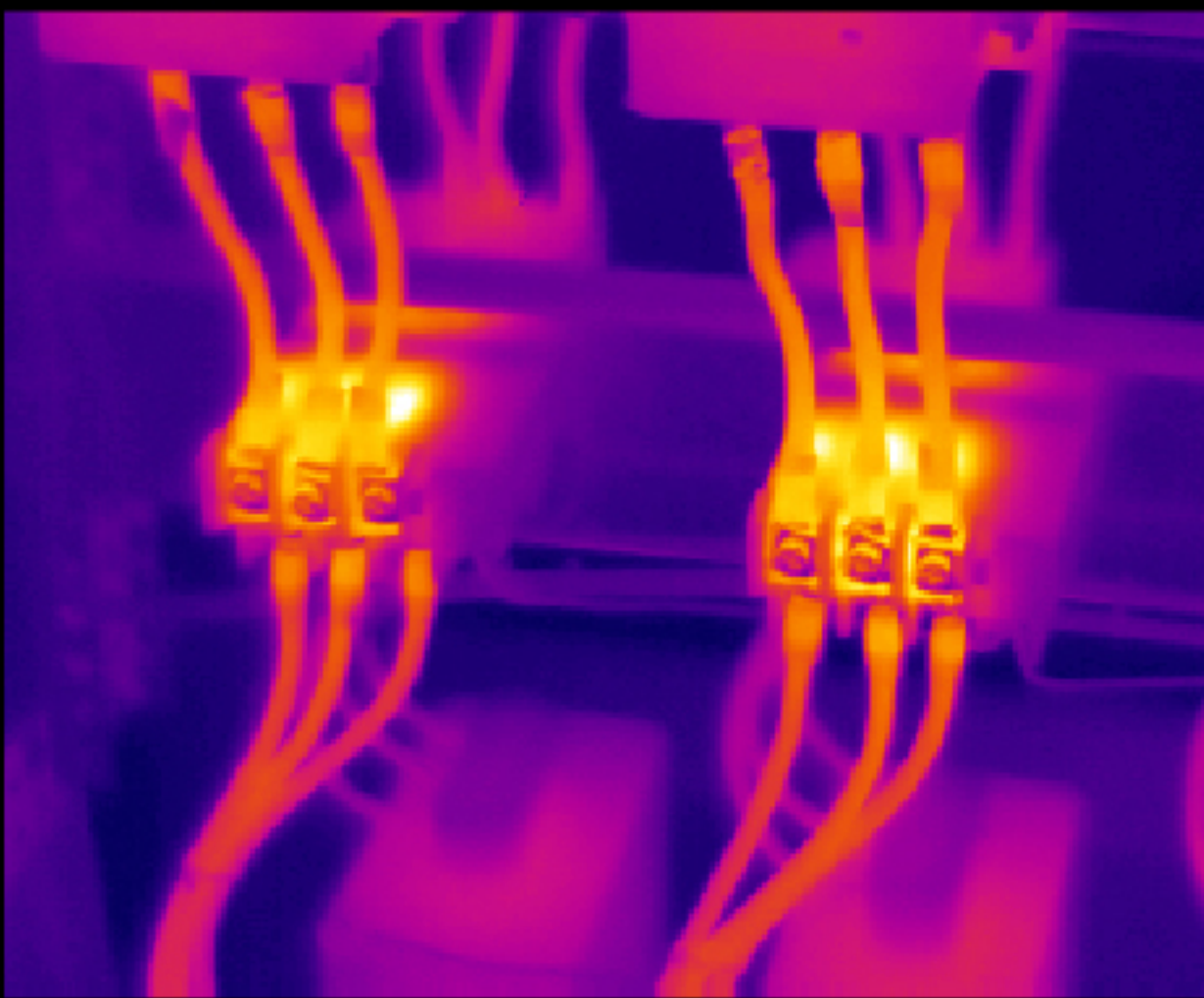




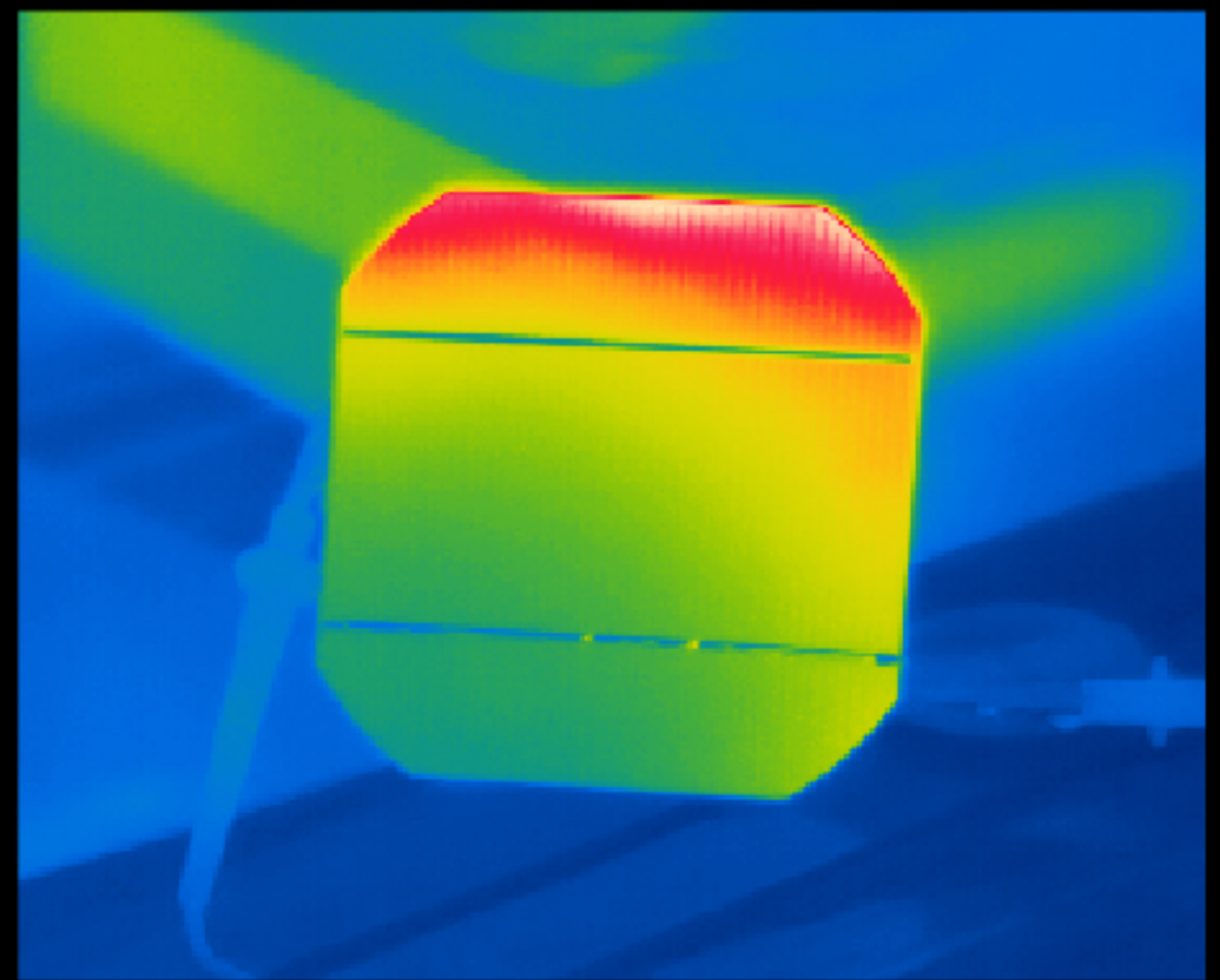
Make you an expert in temperature measurement



HVAC system testing



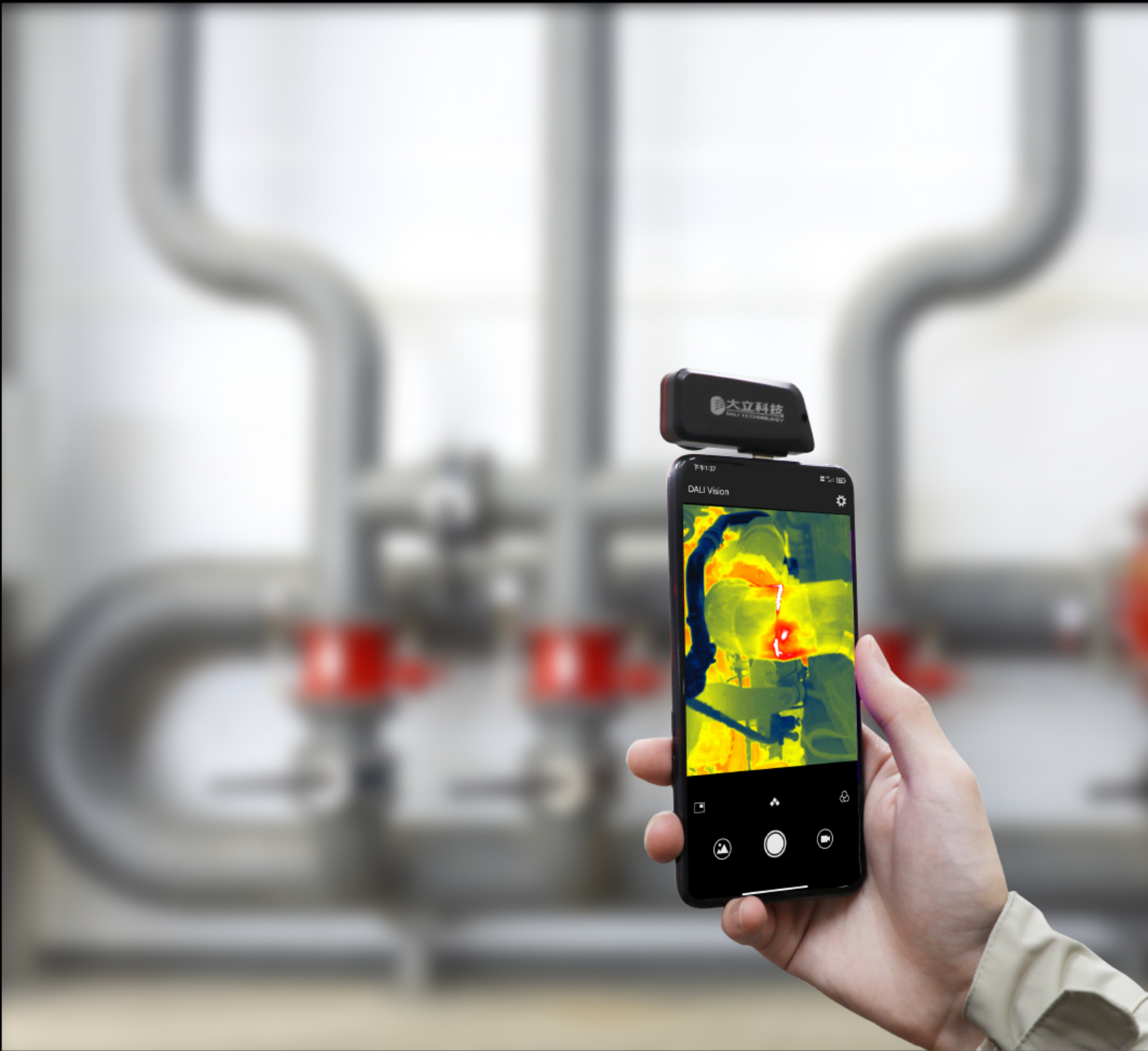
Electrical equipment fever detection



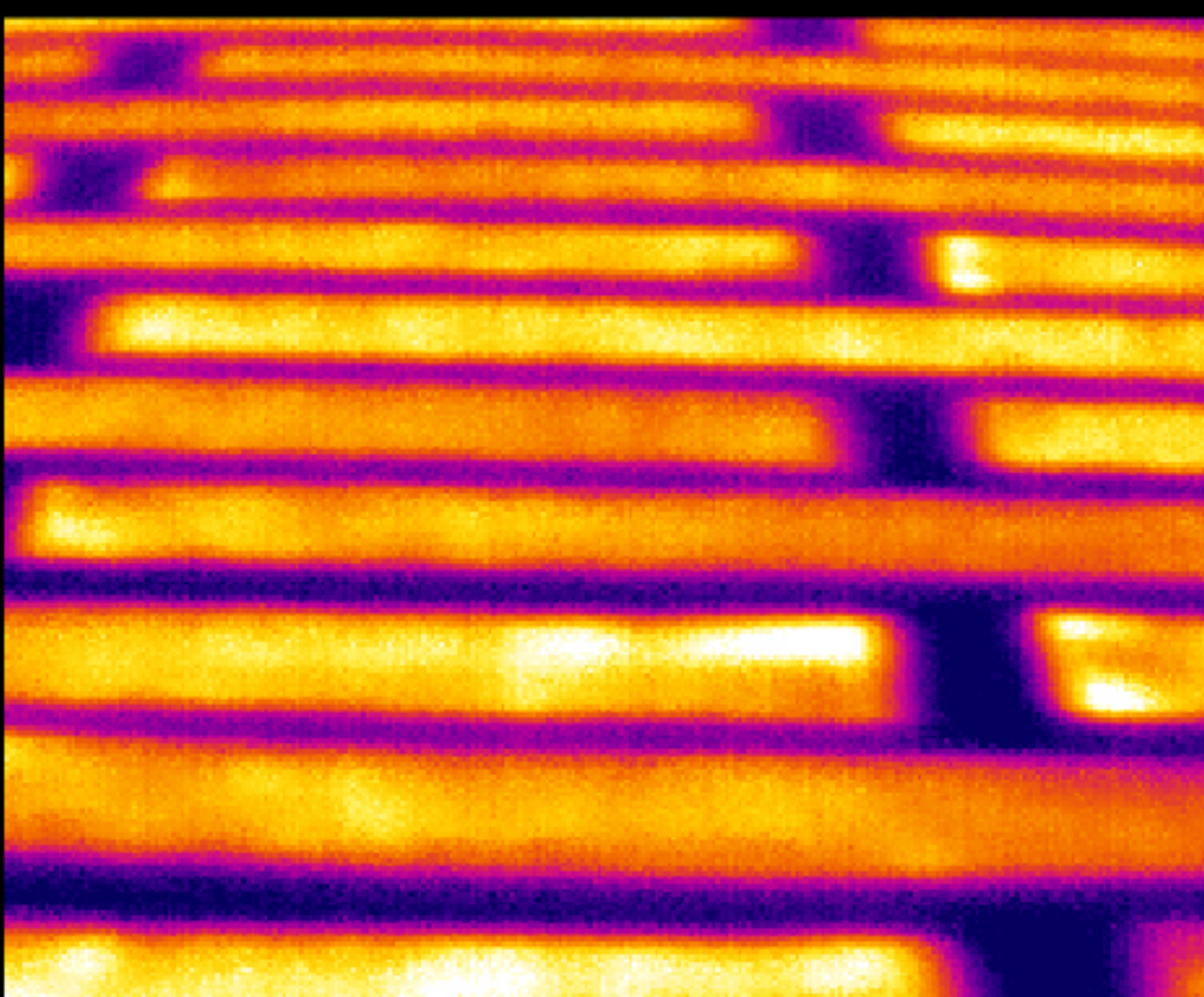
Hidden dangers detection of weak electricity in buildings



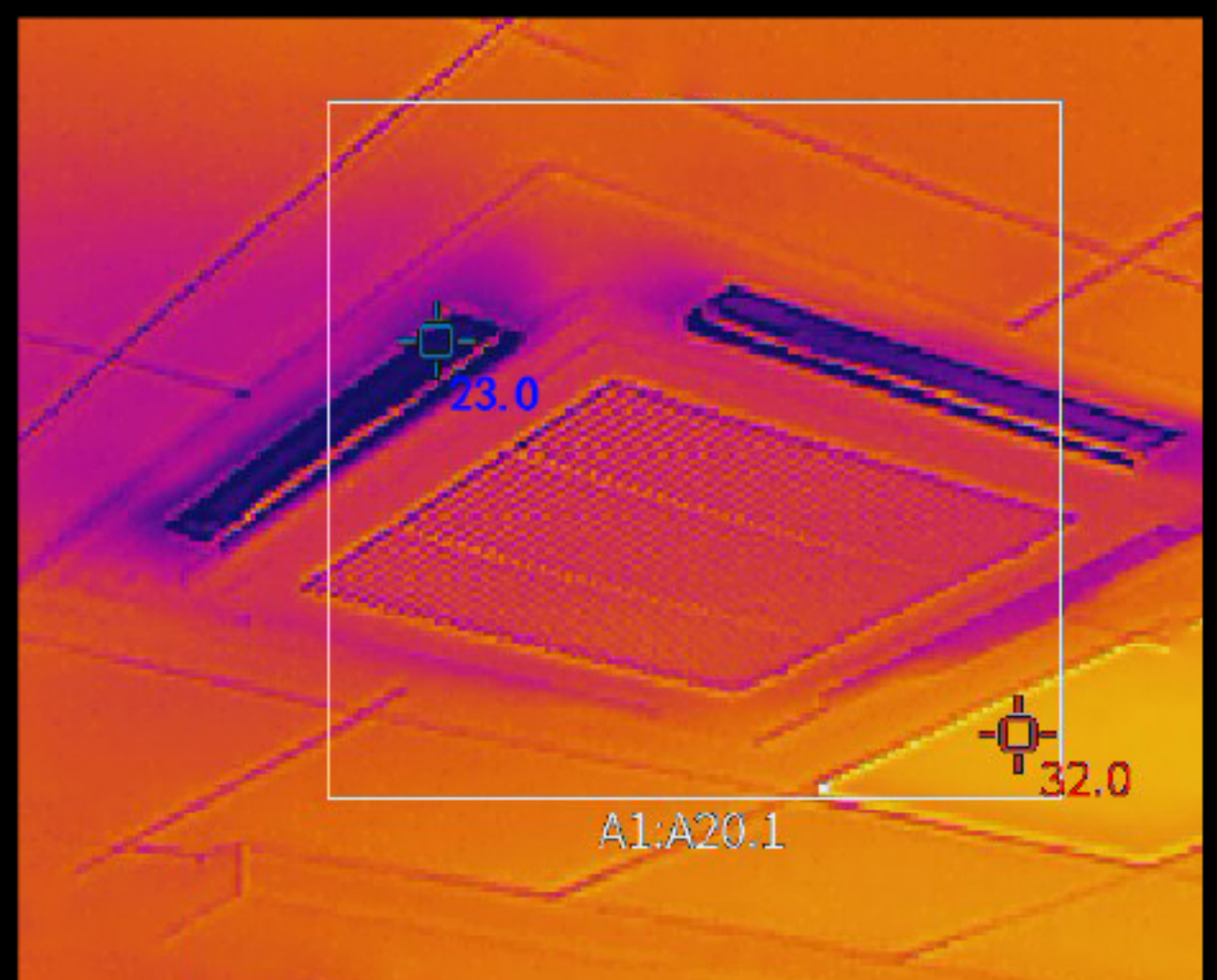
Open the eyes of colorful thermal images



Water pipe leakage detection



Heating failure detection



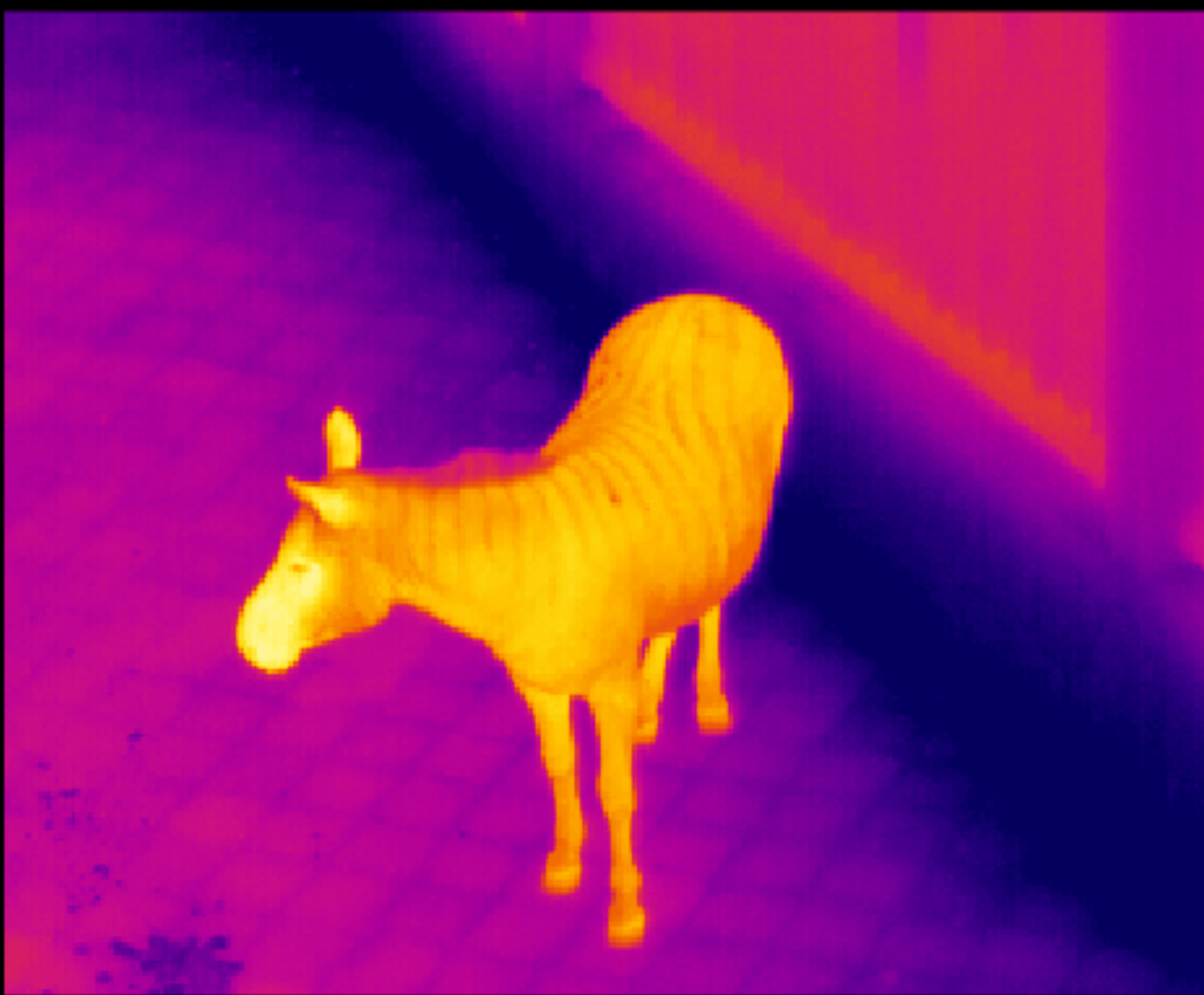
Air conditioning maintenance detection



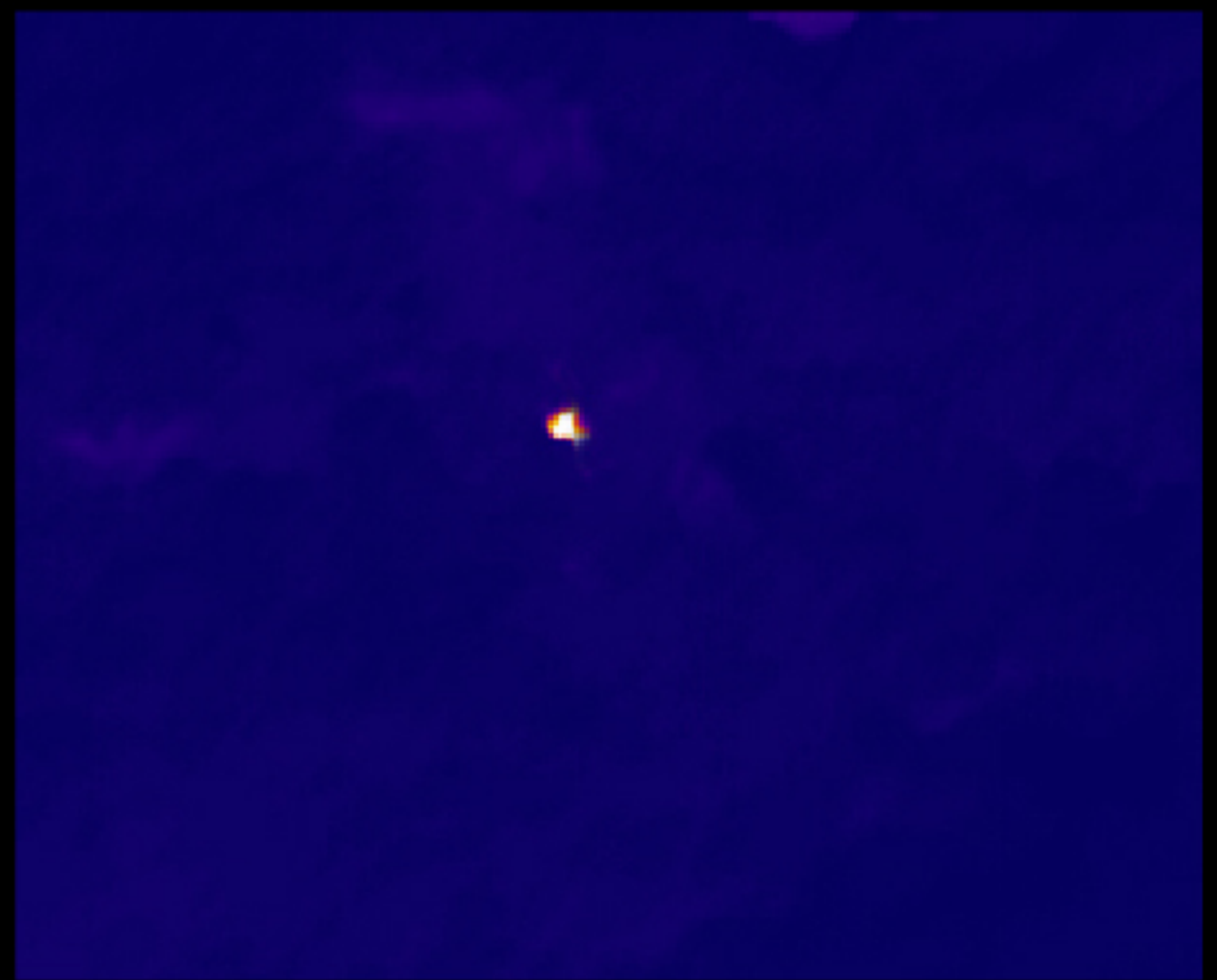
Interesting detection,
Interesting sightseeing, Interesting exploring



Night security inspection



Animal search



Privacy & security, it will find
hidden pinhole cameras

PARAMETERS

Model	V16
Detector type	Uncooled focal plane micro-heat type
Pixel	160×120
Wavelength range	8-14um
Pixel spacing	17um
NETD	≤0.04°C@30°C
Frame rate	25Hz
FOV	37°×28°
Spatial resolution	4.4mrad
Focus range	0.1m~∞
Focusing method	Focus-free
Image enhancement	DDE
Image storage	APP supports photo and video
Image display	Infrared image/visible light/picture in picture
Color palette	15 color palettes to choose from (including iron red, rainbow, black and white, black and white reverse, etc.)
Temperature range	-10°C- +300°C
Precision	±2°C or ±2% (reading range), whichever is greater
Measurement correction	Auto
Measurement mode	Center point, highest point/lowest point, movable point, regional temperature measurement
Working temperature	-40°C-+60°C
Storage temperature	-40°C~+70°C
Protection level	IP54
Fall	2m
Weight	33g
Dimension	57mm×25mm×23.5mm
Power connector	USB Type-C DC 5V
Power consumption	370mW
Software update	Support

* The above data and contents are for reference only,
and the actual products shall prevail.

PLEASE CONTACT US

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