

# FIREFIGHTING THERMAL IMAGING CAMERA

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## PRODUCT INFORMATION

A composite product integrating multiple functions such as infrared thermal imaging, gas detection, electric leakage detection, nuclear radiation detection, laser ranging, and meteorological data collection. It is applicable to various scenarios including emergency rescue, personnel search in dark or smoky fire-affected environments, hazardous material detection, equipment inspection, smoldering fire monitoring, and fire cause investigation.

## APPLICATION SCENARIO

Fire rescue: In a fire scene, the high temperature, thick smoke severely obstruct the line of sight, and the environment is dangerous. The firefighting thermal imaging camera provides real-time feedback on the temperature distribution, helping firefighters locate re-ignition points and stay away from hazardous areas. It can also measure meteorological data such as wind speed, which is beneficial for judging the direction of the fire and promptly adjusting fire-fighting strategies to ensure the safe and efficient progress of firefighting operations.

# Firefighting Thermal Imaging Camera

MF500

## FEATURES

**Function integration:** Multiple functions are integrated into one unit, enabling multi - purpose use with a single device.

**Detachable design:** The modular detachable design offers flexibility and portability, meeting the needs of different scenarios.

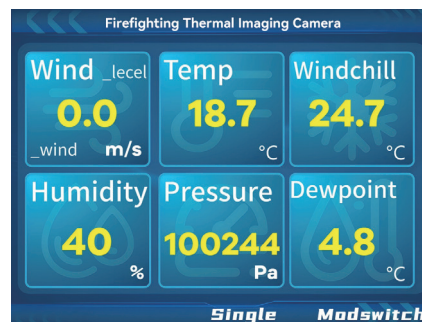
**Voice function:** It is equipped with a voice broadcast module and a prompt function, supporting two - way voice remote intercom for real - time communication.

**Easy to use:** Large - sized buttons reduce the mis - touch rate, facilitating easy operation and quick learning.

**Sturdy and durable:** The main unit has an IP67 rating for water and dust resistance, and is resistant to drops.

**Wireless transmission:** It supports WiFi for wireless data transmission, enabling remote multi - dimensional analysis.

## USER INTERFACE



## TECHNICAL SPECIFICATIONS

Detector Resolution	384×288
Operating Wavelength Band	8 - 14μm
NETD	≤50mK (ambient temperature is 23°C ± 5°C)
Focusing Method	Fixed focus without heating
Field of View	36.4°×27.7°
Spatial Resolution	1.7mrad
Visible Light	5 - megapixel
Laser Indication	The device has a laser indication function.
Laser Ranging	Two options: 80m and 400m
Electronic Compass	The device has an electronic compass function.
Work Indicator Light	The device has a work indicator light function.
Electrified Detection Function	Can detect AC power above 110V.
Gas Detection Function	With gas detection, you can optionally connect a gas detection module to simultaneously detect 1 - 4 gas channels (such as carbon monoxide, oxygen, methane, hydrogen sulfide, etc., with optional types).
Wind Speed Measurement Function	0.4 - 60m/s, resolution 0.1m/s, accuracy ±3%
Atmospheric Pressure Measurement	Atmospheric pressure test range: 300 - 1100hpa, accuracy: ±0.5hpa
Frame Rate	25Hz
Storage	Standard 64G TF card
Temperature Measurement Range	-20°C - 1200°C
Temperature Measurement Accuracy	±5°C or 5% of the measured value
Display Screen	3.5 - inch high - brightness LCD screen
Resolution	640×480 resolution
Power Supply Method	3.7V rechargeable lithium battery
Charger	12VDC, dual - battery charger
Operating Time	≥5h (at room temperature indoors)
Interface	TYPE - C
Operating Temperature	-20°C - 60°C
Dimensions	295*125*170mm (±2mm)
Weight	1100g (±5g)
Protection Level	IP67 (without gas detection components)



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