RHJ700 FIREMAN ALARM
Thermal Imaging Camera

E-Gear®
Your Vision is Our Mission.

Compact in size and strong in structure, designed for firefighters and workers in harsh environments. It complies with the GB27900-2011 standard and supports thermal imaging to enhance visibility in dark or smoke-filled scenarios.

FEATURES

➢ Comply With GB27900-2011 "Firemen's SOS" Standard
➢ 4 Imaging Modes: Full-color, White Hot, Black Hot, Hotspot
➢ Motion Alarm
➢ Manual Alarm (SOS)
➢ High-temperature Alarm
➢ Directional Light
➢ Time Reminder
➢ Build-in WIFI, Support Bluetooth Connection (Bluetooth 4.0/BLE)
➢ Quick ID Key Switch
➢ Linked Alarm Response & Mutual Rescue Positioning
➢ Personal Black Box
➢ SCBA Integrational(optional)

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SPECIFICATIONS

Alarm Device

Size (W X H X D)	70 x 110 x 32 mm (Without back clip)
Weight	≈230g (Start key not included)
Display	2.4-inch TFT 240x320px, LCD
Luminance	≥300 cd/m²
Battery	7.4V 1200mAh rechargeable lithium-ion
Allow Rest Time	30s±1s
Pre-alarm Time	15s±1s
Continuous Working Time	≥24h
Strong Alarm Time	≥700min
Low Voltage Alarm Sound Level Intensity	≥65dB
Strong Alarm Sound Level Intensity	≥100dB
Explosion-proof Grade	Ex ia IIC T3 Ga
IP Rating	IP68
Operating Voltage	7.4V
Operating Temperature	25℃~+60℃
Relative Humidity	30%~95%
Charging Interface	Type-C

Thermal Imaging

Infrared Resolution	160 x 120 px
Thermal Sensitivity/NETD	<50 mK
Temperature Range	-20℃ to +460℃
Temperature Measurement Accuracy	±0.1℃
FOV	56° x 71°
Frame Rate	9 Hz
Infrared Wavelength	8 to 14 μm
Display Resolution	240 x 240 px
Imaging Modes	Full-color, White Hot, Black Hot, Hotspot

THERMAL IMAGING / LIGHTING

Thermal Imaging Operation (if equipped):

- Enter/ Exit: Long press [MODE] button for >3s.
- Switch Imaging Modes: Short-press [MODE] button to switch between Full Color, White Hot, Black Hot, and Hotspot.

Lighting Operation (if equipped):

- Turn On/Off: Long press [MODE] button when device is on.

Note:
- The thermal imaging function and the lighting function cannot coexist per model.
- In thermal imaging mode, all alarms are hidden; long-press [MODE] or double-press [RST] to exit and view alarm details.
- Models with optional Beidou/GPS or long-range communication modules do not support thermal imaging.