FRONTLINE VISION

FV-RESQ GAS VISION 640

Handheld Gas Imaging & Thermal Camera



Thermal Insight for Emergency Response

A portable platform combining high-resolution thermal imaging, gas leak visualization and field documentation for emergency response and industrial inspection.

Gas Leak Visualization

Support visual assessment of suspected leaks under suitable conditions.

Thermal Hazard Assessment

Locate hot spots and observe equipment temperature anomalies.

Field Documentation

Capture images and video for incident records and review.

640 × 512	1200°C	IP67	≤0.86 kg
Thermal resolution	Maximum target temperature	Dust and water protection	Including battery

Replaceable battery | Up to 6 hours | Wi-Fi | 64 GB storage

Gas visibility depends on the target gas and environmental conditions. Target temperature range does not indicate ambient operating temperature.

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Applications & Technical Specifications



HAZMAT Response
Assess suspected leak sources.

Industrial Fire Assessment
Observe equipment and pipework hot spots.

Petrochemical Inspection
Inspect valves, flanges and pipe connections.

Electrical & Mechanical Inspection
Identify abnormal equipment temperatures.

Scan › **Locate** › **Document** › **Verify**

Confirm atmospheric conditions with an appropriate gas detector.

IMAGING & OPTICS	
Detector	Uncooled infrared
IR resolution	640 × 512 pixels
Pixel pitch	12 µm
Spectral response	8–14 µm
NETD	30 mK
Lens / Field of view	13 mm / 33° × 27°
Focus	Fixed focus, athermalized
Digital zoom	2× / 4×

TEMPERATURE MEASUREMENT	
Target range	−20°C to 1200°C
Stated accuracy*	±2°C or ±2%

DISPLAY & DOCUMENTATION	
Display	3.5-inch colour TFT LCD
Display resolution	640 × 480 pixels
Imaging / Storage	Visible camera / 64 GB
Connectivity	Wi-Fi
Field aids	Electronic compass, positioning
Laser functions	Rangefinder and pointer

POWER & ENVIRONMENT	
Battery	Replaceable lithium battery
Operating time	Up to 6 hours
Operating temperature	−20°C to +50°C
Protection / Drop resistance	IP67 / 2 m
Dimensions (W × D × H)	116 × 114 × 257 mm
Weight	≤0.86 kg including battery

Gas Imaging Capability
Target gas compatibility and detection performance must be confirmed for the intended application. Visibility depends on gas type, leak rate, distance, wind and background temperature contrast.

*Manufacturer-stated accuracy; applicable ranges and conditions require confirmation.