



Personal Thermal Imaging Camera

The WFR PRO THERMAL 25 is a compact, focus-free personal thermal imaging camera designed to help identify heat sources and temperature differences. Its 256 × 192 infrared detector, 50 Hz refresh rate and 3.5-inch colour touchscreen provide responsive thermal viewing in a lightweight 200 g housing. The camera includes multiple viewing modes, temperature alarms, radiometric image and video recording, Wi-Fi connectivity, a built-in flashlight and USB Type-C charging.

Key features

- 256 × 192 infrared resolution with 50 Hz image refresh
- 3.5-inch colour LCD touchscreen; focus-free 6.0 mm F1.0 lens
- Eight palettes; infrared, visible, picture-in-picture and fusion modes
- Spot, area and line temperature measurement; audible/colour alarms
- Radiometric JPEG photos and MPEG4 video; 16 GB internal storage
- Wi-Fi with compatible Android app; USB Type-C data and charging
- Rechargeable lithium-ion battery, rated at four hours or more
- IP66 protection, 2 m drop resistance, approximately 200 g

Applications

Suitable applications within the published operating limits include exterior hot-spot checks, post-fire overhaul support, wildland hot-spot observation, equipment inspections and supplementary thermal assessment.

Technical specifications

Specification	WFR PRO THERMAL 25
Detector	Uncooled VOx microbolometer
Resolution / frame rate	256 × 192 / 50 Hz
Sensitivity	≤0.04°C at 30°C
Lens / spatial resolution	6.0 mm F1.0, focus-free / 2.0 mrad

Specification	WFR PRO THERMAL 25
Spectral range	7.5–14 µm
Display	3.5-inch TFT colour LCD touchscreen
Image modes / palettes	IR, visible, picture-in-picture, fusion / 8
Temperature measurement	–20°C to +350°C standard; optional +650°C
Accuracy	±2°C or ±2% of reading (greater value)
Measurements	Movable spots, areas, line, temperature alarm
Storage / files	16 GB; radiometric JPEG and MPEG4
Connectivity	Wi-Fi (Android app); USB Type-C
Battery / operating time	Built-in rechargeable lithium-ion / ≥4 hours
Environmental protection	IP66; 2 m drop resistance
Operating ambient temperature	–15°C to +50°C
Dimensions / weight	135 × 90 × 26 mm / 200 g

IMPORTANT: Published ambient operating temperature is –15°C to +50°C. The optional +650°C target measurement range does not indicate the camera can survive a +650°C environment. High-heat survivability and suitability for interior structural firefighting have not been established. Do not rely on this unit as the primary camera for life-critical interior operations.

Specifications are based on the manufacturer's supplied F25 literature and should be verified on evaluation samples. Optional 650°C range must be confirmed before advertising it as included.

WFR Wholesale Fire & Rescue Ltd. | wfrfire.com