

QUAKELOGIC

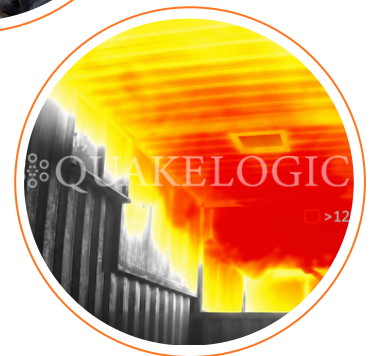
PROFESSIONAL FIREFIGHTER
THERMAL IMAGING CAMERA



QL-FireVision Pro

QL-FIREVISION PRO

PROFESSIONAL FIREFIGHTER THERMAL IMAGING CAMERA



DISCOVER PROFESSIONAL FIREFIGHTING THERMAL IMAGING

QuakeLogic's QL-FireVision Pro Firefighter Thermal Imaging Camera is a professional thermal imaging solution designed for firefighting, emergency response, rescue operations, and hazardous environment inspections. Featuring high-resolution infrared imaging, intelligent temperature analysis, multiple operational image modes, rugged IP67-rated construction, and wireless connectivity, the QL-FireVision Pro provides a reliable and efficient solution for fire scene assessment, victim search, and emergency response operations.

- Improves firefighting efficiency by providing high-resolution thermal imaging, real-time temperature measurement, and enhanced situational awareness in challenging environments.
- Enhances operational safety by enabling firefighters and first responders to identify fire sources, hazardous areas, and trapped individuals through dense smoke and low-visibility conditions.
- Supports rapid emergency response with multiple firefighting image modes, intelligent over-temperature alarms, and one-touch image and video recording.
- Provides reliable field operation through rugged IP67-rated construction, high-temperature resistance, integrated onboard storage, wireless connectivity, and long-life rechargeable battery operation.

WHAT'S INCLUDED »

- QL-FireVision Pro Firefighter Thermal Imaging Camera
- Three Rechargeable Lithium-Ion Batteries
- Desktop Charger, Power Adapter & Adapter Plug
- Lens Cover & Aperture
- USB Type-C to Type-C Cable
- USB-A to USB Type-C Cable
- Micro HDMI to HDMI Cable
- Hand Strap & Neck Strap
- Telescopic Buckle & Safety Lanyard
- Carrying Case & Protective Case
- Quick Start Guide & Warranty Card
- Calibration Certificate & Inspection Report

KEY FEATURES

- Advanced high-performance infrared imaging system delivers exceptional thermal image clarity for firefighting, rescue, and emergency response operations.
- High-speed 60 Hz infrared imaging provides smooth real-time thermal visualization with anti-glare display technology.
- Six optimized image modes support firefighting, fire scene assessment, search and rescue, thermal detection, and standard operation.
- Intelligent temperature measurement with visual, audible, and vibration over-temperature alarms improves operational awareness in hazardous environments.
- Measures temperatures from -40°C to 650°C, with an optional high-temperature configuration up to 2000°C.
- One-touch photo and video recording with integrated 128 GB onboard storage enables efficient documentation of emergency operations.
- Rugged IP67-rated construction with 2-meter drop resistance is designed to withstand harsh firefighting environments and temperatures up to 260°C for short-duration operations.
- Integrated Wi-Fi, USB Type-C, and Micro HDMI connectivity support efficient image transfer, communication, and data management.
- Long-life rechargeable lithium-ion battery, docking station support, and OTA firmware updates provide reliable field operation and simplified maintenance.

PRODUCT FEATURES

Image Modes

Basic Firefighting
Black & White
Fire Scene
Search & Rescue (SAR)
Thermal Detection
Standard

Temperature Measurement

Automatic Switching
-40°C to 150°C
0°C to 650°C
Optional 500°C to 2000°C

Temperature Analysis

Center Temperature
Maximum Temperature
Minimum Temperature
Small, Medium & Large Area Analysis
Visual, Audible & Vibration Over-Temperature Alarm

Recording & Storage

One-Touch Photo & Video Recording
128 GB Internal Storage
JPG with Temperature Data
Radiometric Video Recording

Connectivity

Wi-Fi
USB Type-C
Micro HDMI
OTA Firmware Updates

Applications

Firefighting
Emergency Response
Search & Rescue
Hazardous Environment Inspection
Fire Scene Assessment

For more information about the QL-FireVision Pro Firefighter Thermal Imaging Camera, please contact QuakeLogic.

FIREFIGHTING FEATURES

Type	Description
Image Modes	Multiple Firefighting Image Modes
Temperature Measurement	Intelligent Temperature Measurement
Temperature Analysis	Real-Time Temperature Analysis
Over-Temperature Alarm	Visual, Audible & Vibration Alarm
Image Optimization	Automatic Level & Span
Recording	Photo & Video Recording
Storage	Internal Image & Video Storage
Connectivity	Wireless & Wired Connectivity
Firmware Updates	OTA Firmware Update Support

OPTIONAL FEATURES & ACCESSORIES

OPTIONAL DIGITAL CAMERA MODULE

Expand the functionality of the QL-FireVision Pro with the optional digital camera module. The module enables simultaneous visible image capture to complement thermal imaging during firefighting, rescue operations, and hazardous environment inspections.

DOCKING STATION SUPPORT

The optional docking station provides convenient battery charging and data transfer, helping keep the camera ready for rapid deployment while simplifying image management after field operations.

WIRELESS IMAGE & VIDEO TRANSMISSION

Wireless image and video transmission enables efficient sharing of thermal images and recorded videos, supporting improved situational awareness and operational coordination in the field.

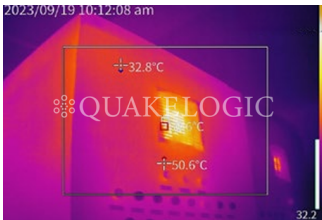
STANDARD ACCESSORIES

The system includes three rechargeable lithium-ion batteries, desktop charger, power adapter, adapter plug, lens cover, aperture, USB Type-C to Type-C cable, USB-A to USB Type-C cable, Micro HDMI to HDMI cable, hand strap, neck strap, telescopic buckle, safety lanyard, carrying case, protective case, quick start guide, warranty card, calibration certificate, and inspection report, providing everything required for immediate field operation.

APPLICATIONS



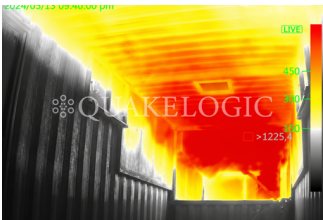
Fire Reconnaissance



Fire Inspection



Search and Rescue



Fire Extinguishing

TECHNICAL SPECIFICATIONS

Specification	Description
Product	QL-FireVision Pro Firefighter Thermal Imaging Camera
Core Technology	Advanced Infrared Imaging Architecture
Detector Type	VOx Microbolometer, 7.5–14 μm
Infrared Resolution	384 × 288 @ 12 μm
Thermal Sensitivity (NETD)	15 mK
Frame Rate	60 Hz / 9 Hz
Display	4.3-inch LCD, 800 × 480
Focal Length	9 mm
Optional Visible Camera	5 MP
Digital Zoom	2× / 4× / 8×
Focusing Mode	Focus-Free
Field of View	50° × 37°
IFOV	2.27 mrad
Distance-to-Spot Ratio	441:1
Minimum Object Distance	0.5 m
Measurement Range	Automatic Switching: -40°C to 150°C, 0°C to 650°C, Optional 500°C to 2000°C
Measurement Accuracy	±2°C or ±2% of Reading
Measurement Targets	Center, Maximum, Minimum Temperature; Small, Medium & Large Area Analysis
Over-Temperature Alarm	Visual, Audible & Vibration Alarm
Image Modes	Basic Firefighting, Black & White, Fire Scene, Search & Rescue, Thermal Detection & Standard
Color Palettes	Black Hot, White Hot, Iron Red, Arctic, Hot Iron, Rainbow, Fulgurite & Tint
Image Adjustment	Automatic Level & Span
Laser	Optional Laser Pointer & Laser Distance Measurement
Recording	Photo & Video
Firmware Updates	OTA Supported
Internal Storage	128 GB
Image Format	JPG with Temperature Data
Video Format	MP4 & Radiometric Video
Interfaces	USB Type-C, Micro HDMI & Tripod Mount
Wi-Fi	Supports Image & Real-Time Video Transmission
Battery	Rechargeable Lithium-Ion
Operating Time	Up to 4 Hours
Operating Temperature	-10°C to +50°C; 80°C (30 min), 120°C (10 min), 260°C (5 min)
Protection Rating	IP67
Drop Resistance	2 m
Hardware	Wi-Fi, Integrated Speaker
Weight	1.3 kg (Including Battery)
Dimensions	296 × 122 × 153 mm
Software	PC Analysis Software & Mobile Application (iOS/Android)
Optional Accessories	Digital Camera Module, Spare Battery, Vehicle Charger & Tripod
Warranty	Standard Manufacturer Warranty

**Corporate
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About QuakeLogic:

- QuakeLogic Inc. is a California-based engineering and technology company providing innovative, reliable, and high-quality solutions to customers worldwide.

Our Commitment

- At QuakeLogic, we are committed to quality, innovation, and customer satisfaction. We build lasting partnerships by delivering reliable solutions and dependable support.

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QL-ThermaVision Pro