HIKMICRO

FIREFIGHTING
THERMAL CAMERAS



Built for the Fireground

Contemporary fireground environments demand faster thermal awareness, clearer scene interpretation, and reliable operation under extreme conditions.

HIKMICRO firefighting thermal cameras are designed to support structural firefighting, search and rescue, overhaul operations, industrial fire response, and outdoor emergency deployment through stable thermal imaging in high-risk environments.

FB21

Compact and reliable thermal imager designed for rapid fireground deployment and everyday firefighting operations.

FP21/31

Pocket-sized firefighting thermal imagers built for structural firefighting, search operations, and complex fireground environments.

FT31

High-performance firefighting thermal camera with 60 Hz imaging for dynamic fireground operations and large-area thermal assessment.

Fireground-Oriented Features

Continuous Live Imaging

Smooth scene scanning during active fireground operations without operational interruption.

Thermal Detail Enhancement

Improved visibility of hidden hotspots, structural heat buildup, and concealed thermal risks.

Built for Harsh Fireground Environments

Reliable operation during structural fires, industrial incidents, overhaul, and outdoor emergency response.

Compact Tactical Deployment

Pocket-sized design enables rapid carry and immediate deployment during fireground response.

Rescue-Optimized Thermal Palettes

Supports victim search, hotspot identification, and thermal scene interpretation across complex environments.



Typical Fireground Applications

Structural Firefighting

Thermal awareness during fire suppression, fireground assessment, and structural firefighting operations.

Search & Rescue

Victim localization in smoke-filled, low-visibility, and challenging rescue environments.

Industrial Fire Brigade

Thermal assessment in hazardous, high-temperature, and explosive-risk industrial facilities.







◆ HIKMICRO Firefighting Thermal Camera Comparison

Model	FB21	FP21	FP31	FT31
	SUPERIR	SUPERIR | ODE | AGC | Ex	SUPERIR | ODE | AGC | Ex	ODE
IR Resolution	256 × 192 (49,152 pixels)		384 x 288 (110,592 pixels)	
Image Frequency	25 Hz			60 Hz
Focal Length	3.6 mm		6.7 mm	7 mm
Field of View (FOV)	37.2°×50.0°		40°×29.8°	54.1°×40.2°
Display	240 × 320 Resolution, 3.2"LCD Screen	640 × 480 Resolution, 3.2"LCD Screen		800 × 480 Resolution, 4.3" LCD Screen
Visual Camera	1600 × 1200 (2 MP)	NA	3264×2448（8MP）	NA
Digital Zoom	NA	1x, 2x, 4x		
Color Palettes	Basic ,Black Hot, White Hot, Fire Detection,Rescue, Hot Area,Cold Area,Building	Basic, Smooth, White Hot, Fire Detection, Rescue, Hot Area, Cold Area, Building		Basic ,Black Hot, White Hot, Fire Detection,Rescue, Hot Area,Cold Area,Building
Storage Media	Built-in 16 GB flash memory	Built-in 4 GB flash memory	Built-in 128 GB flash memory	
Object Temperature Rang	Range -20°C to 150°C Range 100°C to 550°C	Range -20°C to 150°C Range 0°C to 550°C	Range -20°C to 150°C Range 0°C to 650°C	Range -20°C to 250°C Range 200°C to 1200°C
Working Temperature Range	-10°C to 50°C (default settings) 90°C，10min / 115°C，2min	-10℃ to 55℃（default settings） 85°C，30min / 150°C，10min / 260°C，5min		-20°C to 85°C (default settings) 150°C，15min/260°C，5min
LED Light	Yes			NA
Battery Operating Time	Approx. 6 hours		Approx. 4 hours	Approx. 6 hours
Dimension	221.7 × 73.5 × 123.8 mm	52.7×143×79 mm		132.7×276.3×114.6 mm
Weight	Approx. 380 g (0.84 lb)	Approx. 398 g (0.88 lb)	Approx. 420g (0.93 lb)	Approx. 1022g (2.25 lb)