

## Firefighting handheld thermal imager

*Integrated with ultra-high resolution detector, the IR1190 firefighting handheld thermal imager offers you the best image clarity, which helps the firefighter to see through clouds of smoke and identify victims before they cause injuries and deaths; Advanced infrared temperature measuring technology assists you to locate the source of the fire and make accurate and timely decisions which can significantly influence the outcome of the detector. The wireless video transmission equipment is also available to deliver the first-hand information to the command center for an immediate and most authorized decision.*

### Features and Benefits

- Casing by Ultem Thermalplastic enclosure, the IR1190 is most durable in firefighting use.
- Ultra-high resolution detector ensures the best image quality to present any possible survivals.
- Accurate temperature measurement help locate the fire source efficiently.
- With super red hot technology, firefighters can effectively be alerted by the areas of intense heat and identify the spread of fire.
- Wireless transmission (optional)



### Applications

- Search and rescue
- Situational firefighting
- Routine fire-prevention inspection



# Specifications

Detectors	
Resolution	384x288 /160 x120(optional)
Spectral Range	8~14 $\mu$ m
Pitch	25 $\mu$ m x 25 $\mu$ m
Thermal Sensitivity	$\leq 0.1$ $^{\circ}$ C
Frequency	25Hz
Lens	
FOV	54 $^{\circ}$ $\times$ 42 $^{\circ}$
System Characteristics	
Video Output	PAL / NTSC
Temp. Measurement	High Sensitivity Mode: 260 $^{\circ}$ C; Low Sensitivity Mode: 900 $^{\circ}$ C
Mode	Common, High-temp. mode
Accuracy	$\pm 10$ $^{\circ}$ C or $\pm 10\%$
Emissivity	0 - 1
Played Screen	3.5" LCD
Screen Resolution	640 $\times$ 480
Polarity	Pseudo color
Zooming	2X
Red Hot	250 $^{\circ}$ C
Image Storage	
Storage Media	SD Card
File Format	IRV
Environmental Specification	
Working environment	-10 $^{\circ}$ C - +50 $^{\circ}$ C
Waterproof, dustproof	CEI,IEC529,IP67 (Receiver IP54)
Fire prevention	Analogue NFPA 1981-2002
Heat resistance	Analogue NFPA 1982-1998
Shock resistance	MIL-STD-810E the first class Loose Cargo Transport
Radio Interference	89/336/EEC, EN61000-6-2 and EN 61000-6-4, FCC 15 part
Flip (car charger)	Analogue NFPA 1901-12,1.7
Shock/drop	Drop to concrete floor at 1-meter from any angle for 3 times
Heat resisting	260 $^{\circ}$ C not less than 8 minutes; 120 $^{\circ}$ C when not less than 20 minutes
Electricity supply system	
Integrated camera	2 Hours; 22 $^{\circ}$ C, Rated power less than 6W
Physical Characteristics	
Shell	Ultem thermoplastic plastics
Color	Red, Yellow
Seal Package	Silicone resin, chloroprene rubber
Strap material	Kelvar
Display cover	Polycarbonate

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