

GUIDIR® IR1190

Firefighting Thermal Imaging System



The IR1190 firefighting thermal imaging system offers the best image clarity, ergonomic design, robust structure and ultra reliability. It helps you quickly locate the source of a fire and make accurate and timely decisions that can significantly influence the outcome of the jeopardy. It also helps navigating in smoke filled rooms and passages, finding missing persons, figuring out surviving fortunes, greatly increasing the safety and efficiency in search and rescue operations. A unique video capturing and storage function is equipped to the system for post analysis and report documentation. The wireless video transmission equipment is also available to deliver the first-hand information to the command centre for an immediate and most authorized decision.

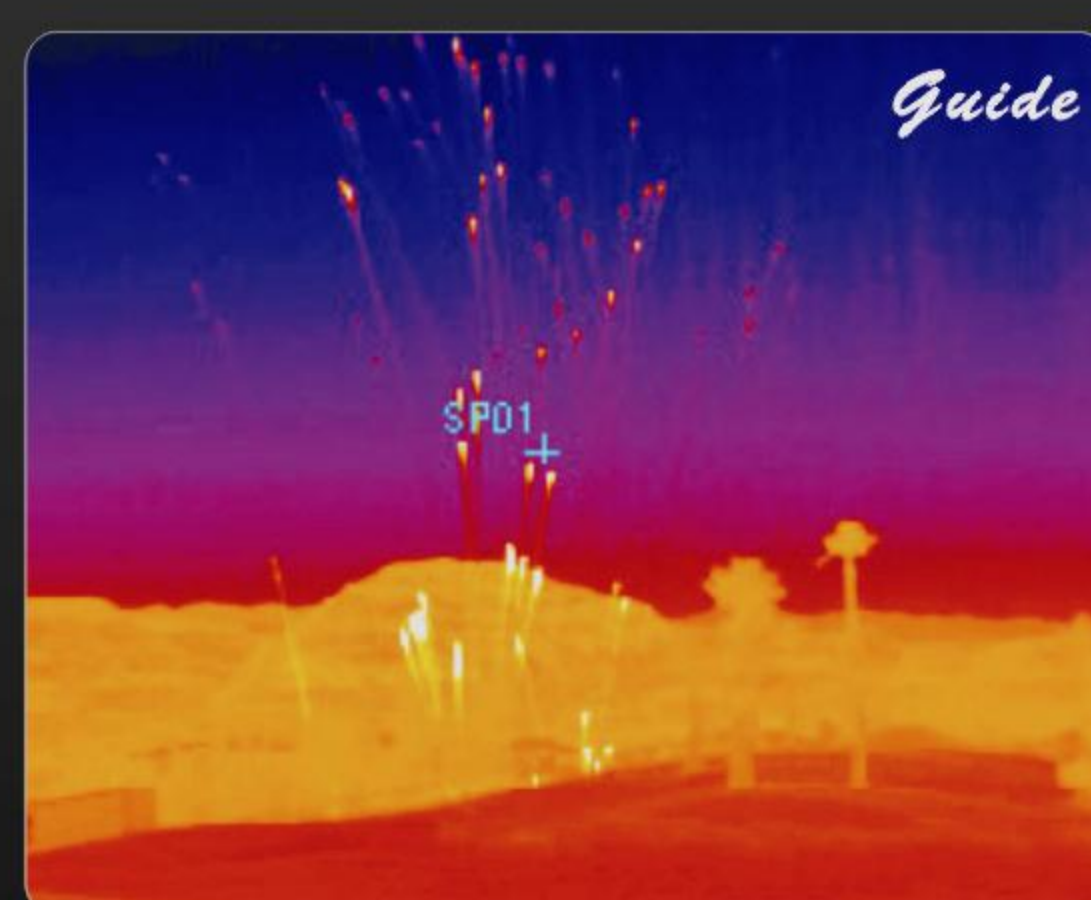
Applications

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



Features and Benefits

- Small, lightweight design
- High thermal sensitivity & precise temperature measurement
- Bright widescreen display provides clear, vivid imagery
- Exclusive thermal imaging color technology
- Super Red Hot pinpoints fire source and progression
- Durable under the most extreme situations



IR1190		
Detector Type		
Resolution	384 X 288 (only use 320X240)	160 X 120
Spectral Range	8~14 um	8~14 um
Pixel Pitch	25um	25um
NETD	120mk	120mk
Frequency	25Hz	25Hz
Sleeping Mode	Yes	Yes
Start up Time	5s	5s
IR Lens		
FOV	54° X42°	54° X42°
System Character		
Video Output	PAL/NTSC	PAL/NTSC
Temperature Measurement	High sensitivity mode:160° C Low sensitivity mode:560° C	High sensitivity mode:160° C Low sensitivity mode:560° C
Mode	Normal, Firefighting and High temperature mode	Normal, Firefighting and High temperature mode
Accuracy	+/- 0.5°C	+/- 0.5°C
Emissivity	0—1	0—1
External Display	3.5" LCD	3.5" LCD
Resolution of the Display	640X480	640X480
Video Polarity	White heat	White heat
Zoom	2x/4x	2x/4x
Red Hot	250° C	250° C
Wireless Transmission	2.4GHZ external	2.4GHZ external
Image Storage		
Type	SD	SD
File Format	MPEG4	MPEG4
Environmental Specification		
Operating Temperature	-40° C to 85° C	-40° C to 85° C
Encapsulation	CEI, IEC529, IP67(Receiver IP54)	CEI, IEC529, IP67(Receiver IP54)
Impact/Drop	No functional damage 2m 3times drop from random angle	No functional damage 2m 3times drop from random angle
Resisit Heat	260° C <8 Minutes 120° C <20 Minutes	260° C <8 Minutes 120° C <20 Minutes
Power System		
Camera	3Hours;	3 Hours;
Video Gathering Device	22° C <6 W	22° C <6 W
Transmission Device	>5 Hours >4 Hours	>5 Hours >4 Hours
Physical Characteristics		
Casing	Ultem Thermalplastic	Ultem Thermalplastic
Colour	Red ,Yellow,Black etc	Red ,Yellow,Black etc
Sealing	Silicone and Neoprene	Silicone and Neoprene
Strap Material	Kelvar	Kelvar
Display Cap	Makrolan	Makrolan