

armstrong optical

IR1190 Firefighting Thermal Imaging System



The **IR1190** firefighting thermal imaging system offers superb image clarity, ergonomic robust design and optimum operational reliability. It enables fast location of fire sources so that accurate and timely decisions can be made, significantly influencing firefighting operations.

In addition to finding the seat of the fire the **IR1190** also enables easy navigation in smoke filled rooms and passages to find unconscious personnel and thereby increasing safety and efficiency in SAR operations.

The camera incorporates an on-board storage function for both video and still imagery and the optional wireless video transmission link allows the delivery of first-hand information to remote command stations.

Imager:

Detector type	Uncooled a-Si FPA
Spectral range	8 - 12µm
Sensor size	384x288 pixel
NETD	~100mK
Image freq.	25Hz
Field of view	54° x 42°
Sleep mode	Yes
Start-up	5 sec.

System characteristics:

Video output:	PAL/NTSC
T measurement	High sens. Mode: 160° C Low sens. Mode: 560° C
Modes	Normal, High T, Firefighting
Accuracy	±0.5° C
External display	3.5" LCD, 640x480
Zoom	2x/4x
Wireless transmission	2.4GHz (option)

Data storage

Type	SD card
File format	MPEG4

Power system

Camera	Battery, duration 3hrs
Consumption	<6W

Environmental Spec

Operating T	-40° C to +85° C
Encapsulation	CEI, IEC529, IP67
Impact/drop	No damage 3x at 2m
Heat resistance	260° C ~8min 120° C ~20min

Physical characteristics

Casing	Ultem thermoplastic
Colour	Red, yellow, black
Sealing	Silicone & Neoprene
Strap	Kevlar
Display cap	Makrolan