

armstrong optical

IR1191 Helmet Mounted Firefighting Thermal Imaging System



The **IR1191** helmet mounted firefighting thermal imaging system offers superb image clarity, ergonomic robust design and optimum operational reliability in a hands-free fashion. The unique chucking system ensures that the **IR1191** can be mounted onto all popular fires helmet types fire sources may be located allowing accurate and timely decision making.

In addition to finding the seat of the fire the **IR1191** also enables easy navigation in smoke filled rooms and passages to find unconscious personnel and thereby increasing safety and efficiency in SAR operations.

Single button operation provides access to crisp thermal imagery in smoke and haze filled environments and the optional wireless video transmission link allows the delivery of first-hand information to remote command stations.

The “**Red Hot**” imaging feature automatically alerts the user to regions of intense heat meaning that the users’ attention can be fully utilised in performing other, more important, duties.

Imager

Detector type	Uncooled a-Si FPA
Spectral range	8 - 12 μ m
Sensor size	160x120 pixel
NETD	~100mK
Image freq.	25Hz
Field of view	43° x 33°

System characteristics

Video output:	PAL**
T measurement	-20° C to +260 °C
Polarity	Pseudo colour
Red Hot	220 °C

Power system

Batteries	Li-ion, rechargeable
Operating time	>2.5hrs continuous
External power supply	AC adapter, 110/240VAC
Consumption	2.4W

Physical characteristics

Size	82 x 81 x 89mm
Weight	460gm

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** Optional wireless image transmission – enquire for details