

# TECHNICAL DATASHEET

X190 THERMAL IMAGER - POWERED BY ISG TECHNOLOGY



## DESCRIPTION

The X190 thermal imaging camera, powered ISG Technology, is a tactical support camera with basic functions. Developed to be a simple one button ON/OFF operation, the X190 uses firefighting -specific core technology that operates with the same principles found in the X380. This capability provides uniform scene interpretation across the range of cameras which simplifies training requirements between each camera model.

## APPLICATIONS

The X190 is designed for Professional Firefighters to provide Situational Awareness when they need it most.

## PHYSICAL CHARACTERISTICS

Dimensions (L x W x H):	228x114x127mm
Weight (excl. battery):	1.1kg
Shell Material:	High-heat Thermoplastic Radel
Shell Color:	Black
Bumper Material:	Silicone rubber
IR Protection Window:	Germanium
Display Technology:	LCD
Display Size (diagonal):	3.5 Inches
Display Viewing Angle:	50° (left/right), 15° (up), 35° (down)
Water Resistant:	IP67, submerged at 3' for 30 minutes
Shock Resistant:	Impact test at 6ft 6 Inches (any orientation)

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## PERFORMANCE CHARACTERISTICS

Detector Format:	192 x 144 pixels
Detector Material:	Amorphous Silicon
Displayed Resolution:	27,648
Scene Update Rate:	1,382,400 elements per second
Spectral Response:	8 $\mu\text{m}$ to 14 $\mu\text{m}$
Sensitivity (nominal):	<50 mK
Dynamic Range:	-40 to 1093 $^{\circ}\text{C}$
Focus Range:	3' to $\infty$
Field of View:	54 $^{\circ}$ (diagonal)
Modes of Operation:	Three
Operating Duration:	20 mins @121 $^{\circ}\text{C}$ 5 Mins @ 260 $^{\circ}\text{C}$
Operating Temperature:	-30 $^{\circ}\text{C}$ to 454 $^{\circ}\text{C}$
DTM Range:	-40 to 1093 $^{\circ}\text{C}$
DTM Accuracy:	+/- 5% @ <93 $^{\circ}\text{C}$ , +/- 10% @ >93 $^{\circ}\text{C}$
Start-up Time:	< 10 seconds
Image Optimization:	Automatic
Colorization:	Transparent Colorization
Laser Pointer:	Class IIIa

## POWER CHARACTERISTICS

Battery Technology:	Li-Ion
Battery Weight:	200g
Operating Time:	>3.5 hours
Recharge Time:	<2.5 hours (nominal)
Recharge Cycles:	1000+

## FAST SERVICE

At Scott Safety we believe in exceptional customer service and it's our mission to deliver a great after-sale care package to help ensure complete peace of mind for our customers. Because of our commitment to exceptional service, we're proud to offer all our customers a 48 hour turnaround on warranty repairs. This means that from receipt of the product at our service centers, we'll have your product repaired and shipped back to you within 2 working days.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.