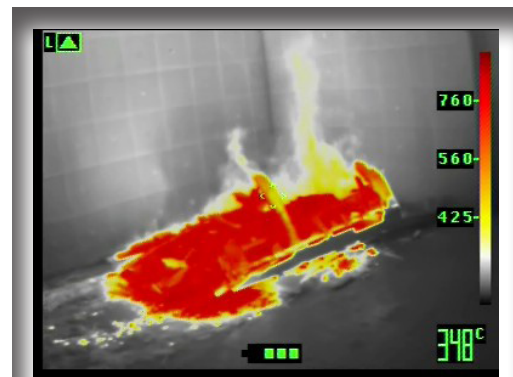




1000°C
TEMPERATURE
RANGE

1000°C



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E380
THERMAL IMAGER

**PRIORITISE
FIREFIGHTER
SAFETY**

ISG
INFRASYS

RESOLUTION
100K

100K



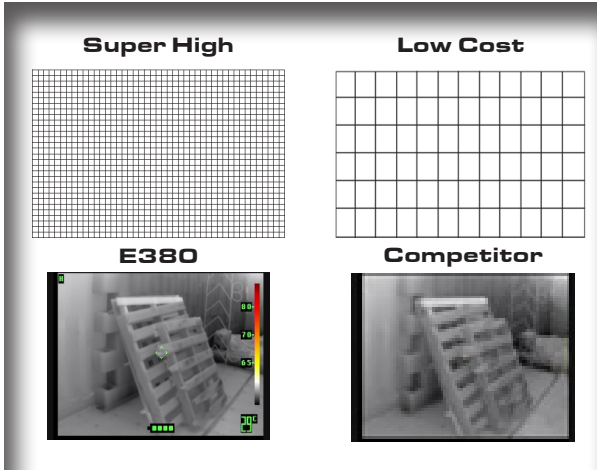
100K

PERFORMANCE

The new E380 is the first all-new thermal imager designed to meet the most rigorous demands of extreme firefighting environments.

100K SUPER-HIGH RESOLUTION

The E380 uses ISG Infrasy's Super-High Resolution technology driving a new sensor with more than 100,000 pixels to achieve almost 50% better picture quality than the best competitive high-resolution thermal imagers, and more than 2,300% better picture quality than small format personal thermal imagers.



FIREFIGHTING SPECIFIC ENGINE TECHNOLOGY

At the heart of the E380 is ISG Infrasy's new SIGMA engine technology driving all of the sensor's 110,592 pixels to achieve crystal clear image quality in the harshest firefighting environments. The E380's temperature range is the widest in the industry enabling clear imaging of scenes and objects in excess of 1,000°C (2,000°F).

INTELLIGENT FOCUS

With Intelligent Focus, firefighters have the ability to focus the E380 directly on objects of interest and watch the camera adjust automatically to the scene. Just point the centre cross hairs over the object of interest and watch the E380 enhance that object's clarity automatically. No user adjustment required, just point the camera and let the camera self-adjust.



OPTIONS

HOT SPOT TRACKER

Hot Spot tracker (patent pending) identifies the hottest object in the scene, tracks it, and displays its relative temperature. Simply point the camera at any scene and watch the blue crosshair detect the hottest object in the scene. The temperature of the object is displayed on the LCD. This feature is very useful for size-up operations, overhaul, and all other situations where automatically identifying hot objects is vital to safety.



HOT SPOT TRACKER

THOUSAND PLUS MODE

When the E380 is subjected to ultra-high temperature scenes, Thousand Plus Mode is automatically enacted to deliver crystal clear imaging in scenes exceeding 1000°C (2000°F). This feature is extremely important when the harshest conditions are encountered. With Thousand Plus Mode, firefighters can image ceiling temperatures in excess of 1000°C (2000°F) to identify impending collapse, or to help find the exit during flashover.

LIGHTNING FAST UPDATES

The E380 collects and analyses more than 5.5 million scene elements every second to produce crystal clear, smooth, lag-free image quality. Over 75% more than the nearest major competitor. This gives firefighters more information, faster, for better decision making and safer operations.

2X / 4X ZOOM

The 2X and 4X Zoom features allows scene information to be magnified electronically by 2 or 4 times giving firefighters the added ability to enhance objects that are further away. For instance, when evaluating warehouses, long hallways, attics, or during size-ups of large structures.



ACCESSORIES

LASER GRIP HANDLE

Integrated into the handle is a bright, narrow-beam laser. The Laser Grip Handle has an ergonomically placed trigger that firefighters can easily touch to operate the Laser.



The Laser Grip simplifies pointing out the location of hotspots, extension, or other hazards for better communication between the camera operator and other firefighters. The Laser Grip is perfect for search and rescue, overhaul, identifying and communicating extension in floors and ceilings, and many other uses.

FAST ATTACK

The Fast Attack is a truck-mounted charging system that ensures your E380 thermal imager is always charged and ready to go.

Fast Attack also charges a spare battery concurrently with the E380 thermal imager.

The E380 attaches to the Fast Attack using a quick-release mechanism that is secure in many mounting positions.



VIDEO CAPTURE PLUS (VC+)

Also built into the Laser Grip Handle is an on-board video recorder that records 2 hours or 500 captured still images. Video and images can be downloaded via USB connection directly to your computer without the use of special software.

VIDEO TRANSMITTER

Our Video Transmitter option installs directly inside the Laser Grip Handle. Transmitter and receivers are ideal for having a second set of eyes on the scene; and are particularly useful for training evaluations. Transmitted video can be used with the Mobile Receiver Station.

SPECIFICATIONS

PHYSICAL CHARACTERISTICS	
Shell Material	Radel High-Heat Thermoplastic
Handstrap Material	Kevlar
Rubber Parts	Neoprene
Weight	1.3 Kg (2.9 lbs) with Battery
Water Resistance	IP 67, Immersion up to 1 metre (3')
Drop Tolerance	2.0 metres (6')
Intrinsic Safety	UL Class 1 Div 2 Pending
INFRARED CHARACTERISTICS	
Detector	Super-High Resolution Microbolometer
Detector Array Format	384 X 288
Sensor Resolution	110,592 Pixels
Spectral Response	8-14µm
NEdT	50 mk Nominal
Effective Temperature Range	Over 1000°C (2,000°F)
IR Protection Window	Germanium
Field of View	54°
Update Rate	5,529,600 Scene Elements per Second
ELECTRICAL CHARACTERISTICS	
Zoom	2X, 4X digital zoom
Sleep Mode	Not Required
Start Up Time	Under 10 Seconds
Battery Technology	Rechargeable Lithium-ion
Battery Time	Better than 3.5 hours
Recharge Time	2 Hours
TEMPERATURE MEASUREMENT	
Standard DTM	Centre Pixel Area
Hot Spot Tracker	(patent pending) floating point cursor reporting the hottest spot in the scene.
DISPLAY CHARACTERISTICS	
Display Size	89 mm (3.5")
WARRANTY	
Base Warranty	Minimum One Year
Extended Warranty	Up to 3 Additional Years

E380UK2011V6



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