

# ISG INFRASYS



- et selskab i GD-Gruppen

Lotek A/S - Beskyttelses- og Marineafdelingen  
Bohrsvej 7 • DK-8600 Silkeborg  
Tel. +45 70 13 52 00 • Fax +45 86 80 32 39  
mabe@lotek.dk • www.lotek.dk

## 1000 Series



## PRIORITISE FIREFIGHTER SAFETY

ISG  
**INFRASYS**

[www.isgfire.co.uk](http://www.isgfire.co.uk)

## PERFORMANCE FEATURES

Only the 1000 Series from ISG InfrasyS offers you ultra-high resolution imaging with ultimate image clarity, unrivalled by any other manufacturer in the world. With a choice of viewing options and extra features available, you can tailor your 1000 Series TIC to suit your specific requirements, ensuring exceptional performance with every use.

### ULTRA-HIGH RESOLUTION

The K1000 and SD1000 TICs use a 384 x 288 resolution detector to display over 100,000 pixels on the screen at any one time. With this amount of scene data available, you are able to [see more information](#), enhancing your ability to make life-saving decisions, even in the most extreme environments. The more you can see, the safer you can be.

### ICE™

Only ISG InfrasyS TICs can offer you ICE™, an [exclusive technology](#) designed specifically for use in firefighting situations. This patented technology enables you to image both hot and cold objects at the same time, without losing vital scene details such as an injured person or even the exit. Prioritise your safety with ICE™ technology.



### 1000 + MODE

Most TICs will produce good quality images up to around 500°C, but with the 1000 Series TICs, you can continue imaging without any performance degradation [beyond 1000°C!](#) Only ISG InfrasyS TICs continue to give you excellent imaging performance, even in flashover, so you can find the exit and get out FAST!

## EXTRA FEATURES

### ZOOM

The Zoom feature enables you to magnify the thermal image to X2 or X4 for a better assessment of the scene, whilst remaining at a safe distance.



### VIDEO CAPTURE

Video Capture enables you to record and save over 3.5 hours of live video, or capture over 100 still images for review at a later date.

### VEHICLE MOUNTED CHARGERS

Choose either the single or twin VMC, both ideal for mounting your TIC in the truck so it's ready to go and fully charged with every call-out.



## TECHNICAL SPECIFICATION

Performance	K1000	SD1000
Detector	384 x 288 Amorphous Silicon	384 x 288 Amorphous Silicon
Spectral Response	8 µm to 14 µm	8 µm to 14 µm
Sensitivity (nominal)	50 mK	50 mK
Dynamic Range	> 1000° C	> 1000° C
Scene Update Rate	50 Hz (PAL), 60 Hz (NTSC)	50 Hz (PAL), 60 Hz (NTSC)
Operating Duration	20 mins @ 120° C, 8 mins @ 260° C	20 mins @ 120° C, 8 mins @ 260° C
Operating Temperature	-40° C to ~450° C (limited exposure)	-40° C to ~450° C (limited exposure)
Start-up Time (nominal)	< 10 seconds	< 10 seconds
DTM Range	0° C to 1000° C	0° C to 1000° C
Detection Range	320 metres	320 metres
Battery Technology	Rechargeable NiMH	Rechargeable NiMH
Operating Time	Up to 5 hours	Up to 5 hours
Recharge Time (nominal)	2.5 hours	2.5 hours

Physical	K1000	SD1000
Dimensions	185 x 130 x 149 mm	284 x 145 x 144 mm
Weight (without battery)	1.2 Kg	1.2 Kg
Water Resistant	IP67, 1 metre depth	IP67, 1 metre depth
Drop	2.0 metres	1.8 metres
Display Size (diagonal)	90 mm	165 mm equivalent (magnified)
Viewing System	Standard (team)	Universal (up-to-face / team)
Lens Size	12 mm	12 mm
Field of View (diagonal)	54°	54°

### Accessory Kits

Basic Kit	1x TIC, 1x AA Battery Cassette, 1x Lanyard, 1x Soft Carry Bag
Hard-Case Kit	1x TIC, 2x Rechargeable Batteries, 1x Desktop Charger, 1x Lanyard, 1x Hard-Case

