

# Sii HT

## HANDHELD THERMAL CAMERA SYSTEM

The Sii HT Handheld thermal camera provides night vision capability for civilian law enforcement, search and rescue, surveillance and other security applications.

The camera is capable of detecting a person from up to 700 meters and a vehicle from up to 1,600 meters.

Sii HT is available with a wide variety of accessories for maximum adaptability.



### KEY BENEFITS

- Portable, compact, easy to use
- Wide variety of accessories
- Ruggedized for harsh environments
- Backlit 3.5" LCD
- 3 screen display options: Normal - Dim - Off
- Manually variable focus from 1/2 meter out to infinity
- Electronic zoom x2, x4
- Switchable Polarity: "White hot" or "Black hot"
- Optional wireless video transmission
- Cost-effective
- Rechargeable, with long battery life

### APPLICATIONS

Sii HT provides rescue and law enforcement personnel with the ability to detect security threats hiding in total darkness, light fog, smoke, dust, or even in daytime conditions.

Sii HT overcomes the limitations on security imposed by the dark of night, the high contrast thermal imaging easily detects threats against the background, their body heat gives them away.

Sii HT is ideal for the nighttime surveillance of sensitive sites including perimeters, pipelines, oil terminals, power stations, communications infrastructure, and prison facilities.



Remote Video Transmitter	Wireless remote video transmitter (in quick-attach handle)
Remote Video Receiver	Wireless remote video receiver
Covert Viewing Scope	Allows for covert viewing of the target with no screen glow.
Mobile Converter Attachment	Allows the Sii HT to be used in a fixed position for long periods, video out & power inputs.
Glare Shield	Attaches to the Sii HT and shields the users eyes from outside glare.



**Remote Video Transmitter**



**Remote Video Receiver**



**Covert Viewing Scope**



**Mobile Converter Attachment**



**Glare Shield**

## Sii HT Specifications

Electro-Mechanical Characteristics	
Certification	IP65
Operating Temperature	-10° to +50°C (-14° to +122° F)
Power Source	NiMH rechargeable battery
Output	10V nominal
Capacity	2400 mA.hr
Operating Time	3 hours nominal
Start Up Time	6 seconds nominal
Charger Single Battery	220VAC or 120 VAC or 12 VDC
Battery Life	1,000 charge cycles
Battery Weight	0.6 pounds (9.5 Oz)
Recharge Time	2 hours nominal
Weight	With battery < 1500gr (3.3 lb) Without battery < 1200gr (2.6 lb)
Dimensions (H X W X L)	150 X 110 X 190 mm

Imaging Characteristics	
Resolution	384 x 288 Array
Spectral Response	8 - 14µm
Frame Rate	9/25/30 Hz
Video Output	PAL/NTSC
NETD	<45 mK
Pixel Pitch Size	25µm
Material	Germanium
Lens Size	35 mm
Field of View	15.6° x 11.7°
Focus	Adjustable 1m to infinity
Speed	f / 1.0
Image Frequency	9/25/30 Hz

