



IR1000

Handheld Binocular Thermal Imager



- ✓ Portable law enforcement
- ✓ Maritime search and rescue
- ✓ Border security
- ✓ Routine patrols
- ✓ Jungle Search
- ✓ Asset protection

IMEC INTEGRATION



DETECTOR	
Detector material	Uncooled FPA microbolometer
Spectral range	8 - 14 μ m
Pixels	384 x 288
Pitch	25 μ m x 25 μ m
OPTICS	
Lens	75mm
IMAGE STORAGE	
Type	Composite Video Output
IMAGE PRESENTATION	
Display	5" TFT LCD
	Up to 1920 x 1080
	256 level gray
Video Output	PAL
Frame Frequency	50Hz
Adjust	Manual brightness / Contrast adjustment
Polarity	White Hot
POWER SYSTEM	
AC/DC adapter	100-240VAC/12VDC
Rechargeable NICAD	12V DC 8Ah
Power Dissipation	5 Watts
Battery Operating Time	6 hours
ENVIRONMENTAL PARAMETERS	
Operating Temperature	-5 to +40 $^{\circ}$ C
Encapsulation	IPG5
INTERFACES	
Interfaces	Analog video output
PHYSICAL CHARACTERISTICS	
Color	Grey
Weight	1.6kg
Size	230mm x 90mm x 110mm