

Thermal Sight



Triple Play Features:

- Day/Night Passive Operation
- Compact Uncooled For Field Use
- Microbolometer FPA

Applications:

- Border/Perimeter Patrol
- Forest Fire
- Law Enforcement Agencies
- Day/Night Scouting
- Hunting and Theft



Thermal Sight

Specifications

Imaging effect			
Detector Type	Uncooled Microbolometer		
Spectral Range	8 ~ 14μm		
Array Format	384 x 288		
Pixel Size (Pitch)	17μm		
NETD(Typical)	< 60mk		
Field of View	35mm Lens	50mm Lens	75mm Lens
	10.6° x 8.0°	7.5° x 5.5°	5.0° x 3.75°
Frame Rate	50 FPS		
Image Display			
View Finder	OLED		
Resolution	800 x 600		
Eye Relief	27mm		
Image Control	Digital zoom (x2, x4), Polarity, Brightness, Contrast		
Target specify	Fine cross hair with centre dot, Reticule patterns for distance indication (100 to 1000 meters)		
Video Output	NTSC/PAL		
Power Supply			
Battery Type	Rechargeable Lithium ion battery		
Power Consumption	< 3.0 W		
Continue Work Time (battery)	> 4 hours		
Battery charger input power	100VAC to 270VAC		
Mechanical parameter	35mm Lens	50mm Lens	75mm Lens
	Weight with battery	560g	720g
Dimension(mm)	156 x 61 x 66	186 x 70 x 70	210 x 86 x 86
Mount Adaptor	MIL-STD 1913 adaptor, customized adaptor available		
Environment Suitable			
Operating Temperature	-35°C ~ +60°C		
Storage Temperature	-40°C ~ +70°C		
Protect Level	IP67, MIL-STD-810F		
Distance for Human	35mm Lens	50mm Lens	75mm Lens
	Detection	1140m	1500m
Identification	280m	380m	550m



Note: Range Data 50% probability of detection and recognition on a clear day, other factors apply

How to Order

HSTI3107E-75N

Model No.

Lens

Video Output

35mm

N: NTSC

50mm

P: PAL

75mm