

AN/PAS-22

Long Range Thermal Imager (LRTI)

AN-PAS22 is a high-performance, hand-held, thermal sight. Using a cooled, highly-sensitive InSb Focal Plane Array, this camera is designed to give the maximum range performance for a 5-lb hand-held package. Two fields of view allow the user to scan in a wide field-of-view thus maintaining good situational awareness, and then switch to a narrow field-of-view for target identification. Optional built-in magnetic fluxgate compass and GPS allow the user to provide target location information. A laser may be added to form an integrated targeting system.



Currently Under Contract To U.S. Marines

Main Features

- Excellent picture quality
- Lightweight
- Easy operation
- Automatic Gain/Level control
- Integral, high accuracy fluxgate compass
- Integral GPS receiver
- Ruggedized construction
- Optional laser range finder

Applications

- Infantry, scout and special units
- Security and perimeter defense
- Light target acquisition systems
- Night sight for medium range weapon systems
- Light patrol boats
- MBT/AFV commanders

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Technical Data

Spectral Band	3-5 μm
Entrance Aperture	50 mm
Fields of View	
Narrow	2.7° x 2.2°
Wide	8.2° x 6.6°
E-Zoom	x2
Detector	
Type	InSb FPA
No. of Elements	320 x 256
Cooler	Stirling closed cycle, integral with Dewar
Video signal	CCIR or RS170
Display	High resolution OLED, binocular viewer
Compass	Integral, magnetic fluxgate - option
GPS	Integral, multi-channel - option
Power Sources	Disposable battery NSN 6135-01-090-5364 Rechargeable battery NSN 6140-01-419-8194 External DC power source
Weight	2.4 kg (Excl. battery)
Operating Temperature	- 30° C - +55° C
Accessories	Eyesafe LRF, Clip on Laser pointer, Clip on

