

AN/PAS-22

Long Range Thermal Imager (LRTI)



AN/PAS-22 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.

Main Features

- Excellent picture quality
- Lightweight
- Easy operation
- Automatic Gain/Level control
- 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

EXCELLENT PICTURE QUALITY

EASY OPERATION

LIGHTWEIGHT



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Physical Description

Weight 6.5 lbs. excluding battery

Environmental Specifications

Operating Temperature -30° C to +55° C

Fields of View

Narrow 2.7° x 2.2°

Wide 8.2° x 6.6°

E-Zoom x2

Detector

Type InSb FPA

Number of Elements 320 x 256

Technical Data

Cooler Stirling closed cycle, integral with Dewar

Video Signal CCIR or RS170

Display High resolution OLED, binocular viewer

Power Sources Disposable battery NSN 6135-01-090-5364

Rechargeable battery NSN 6140-01-419-8194

External DC power source

Accessories Eyesafe LRF, Clip On

Laser Pointer, Clip On