

DB-50 IR

Price and performance, the DB-50 IR Thermal Goggle offers our highest performing system at a low price. These systems are self contained thermal units that only require 2 AA batteries to function. Uses the proven PVS-7 housing assembly, head-helmet mounts and other accessories common to the AN/PVS-7D night vision goggle. The thermal goggle provides a bright, clear picture of your surroundings unaffected by lights or shadows that will render image intensified night vision useless. Camouflage will not even help against the sensitivity of these units. Made using the latest in DSP technology, and using ultra lightweight materials, these goggles are small and comfortable. The only way to keep your edge, whether it be the battlefield or the streets, is to have the best equipment.



Features

Headstrap Ready
Built-In PVS-7 head strap /helmet mount adapter.



Superior Lens
Highest quality lens made of Germanium



Integrated Switch
Switch controls both power and white hot black hot polarity



- ▲ High Resolution Digital Thermal Imaging
- ▲ Reliable ultra-light proven military specification housing
- ▲ Compatible with a wide range of PVS-7 accessories that you already have
- ▲ Video output for in field documentation, training and wireless accessories
- ▲ High Quality germanium optics
- ▲ Standard AA batteries
- ▲ Automatic image adjustment
- ▲ Current technology thermal imaging with next generation DSP technology



SPECIFICATIONS

Sensor

7-14 micron uncooled amorphous silicon microbolometer

Resolution

320x240 with 2 D interpolation

Thermal Sensitivity

<100 mK

Objective

25mm Narrow - Field of View 17 degrees x 12 degrees
(standard)

8.5mm Wide - Field of View 50 degree x 35 degree
(optional)

Eyepiece

+2 to -6 Diopter / 52mm to 72mm interpupillary

Size

Length 16.5cm - Width 15.5cm - Height 10.25cm

Weight

700grams with headstrap

Video Output

NTSC Composite Video (RS-170 / SMPTE-170)

Electrical

2 AA Standard Alkaline Batteries or 1 ea BA5567/U
(45 to 90 minutes minimum operational time)

(Optional iDi cell Belt Clip Battery Pack available)

Range

Man-sized target (optimal conditions) 1000 to 1500 feet

Included

Headstrap, Manual, Eyecups, Demist Shield, Lens Cover,
Soft Carrying Case, Lens Tissue, Battery (2), Shoulder
Strap. Optional Battery Pack for Extended Operational
Usage and Helmet Mount

Packaging

Field-proven AN/PVS-7B/D Configuration