

TAM-14™

Thermal Acquisition Monocular

Rev. 20 MAY 11



Nivisys currently features the TAM-14 Thermal Monocular system designed to meet the needs of the individual user for ground based night operations. The system has set the pace for future hand held thermal devices that are head or helmet mountable as well as weapon mountable while using standard 3 volt Lithium batteries. Controls are conveniently located for right or left handed operation.

The TAM-14 is a multi-purpose system using the latest in miniature thermal sensor technology combined with the new organic light emitting diode (OLED) display to provide a superior stable image in the smallest package available.

The system was designed to maximize versatility by quickly adapting to weapons, head gear, helmets, video output and more. Incorporating in-service head and helmet mounts designed for the PVS-7 and PVS-14, the TAM-14 is compact, lightweight and intuitive to operate.

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FEATURES*

- **Light Weight**
- **Rugged Design**
- **Extended Battery Life**
- **High MTBF**
- **Quick-Rail Design**
- **Head, Helmet or Weapon Mounting Options**
- **One Year Warranty**
- **Intuitive Operation**
- **Video Out**
- **Battery "Hot Swap"**
- **Selection of 5 Reticles**
- **Direct Button Functions**
 - 2x Digital Zoom
 - Polarity
 - Display Brightness
- **Menu Functions**
 - Reticle Select
 - Azimuth Adjust
 - Elevation Adjust

For more information on the TAM-14 or other Nivisys products call (480) 970-3222 or visit us on the web at www.nivisys.com.

TAM-14 BASIC KIT:

- TAM-14 Assembly
- Soft Carry Case
- CR123 Batteries (2ea.)
- Lanyard
- Objective Lens Cap
- Cleaning Kit
- Demist Shield
- Shoulder Strap
- Eyecup
- Video Out Port
- Operator Manual
- Quick Reference Guide
- Head/Helmet Mount Adapter
- Weapon Mount



SPECIFICATIONS*

Sensor
160 x 120 Amorphous Silicon Microbolometer 2D Interpolated to 320 x 240

Type
Uncooled 30 hz

Thermal Sensitivity
<80mK

Spectral Response
7 – 14 μm

Objective
25mm or 16mm

Polarity
white hot / black hot

Field of View
11 x 8.5 degrees or
17 x 12.75 degrees

Battery Type/ Life
2 each DL123A 3v Lithium
Over 4.5 hours continuous

OPTIONS



3x Lens
For longer range observation or dedicated weapon system.



3' Video Output Cable
For recorder interface or remote display.



Helmet Mount
Standard U.S. Military flip-up type helmet mount (PASGT, MICH, ACH).



Shuttered Eyecup
For covert operations.



Head Mount
Allows for hands free operation without the use of a helmet (AN/PVS-7, AN/PVS-14).

Weight
483 grams (with batteries)

Dimensions
14.5cm x 7.9cm x 5.3cm

Display
OLED - 640x480 format

Diopter Range
+2 to -6

Eye Relief
27mm

Video Output
NTSC Composite Video

*Information is subject to change without notice.

