

UTAM-32™

UTAM-32S: 24.1° HFOV, 1.0 MAG
UTAM-32M: 13.2° HFOV, 1.8 MAG

Rev. 20 MAY 11

Universal Thermal Acquisition Monocular

UTAM-32S shown below.



The UTAM Series is the latest achievement of our multi-use thermal imagers. The UTAM gives the operator enhanced surveillance and targeting capability during night and adverse weather conditions along with the most versatility in field applications.

The UTAM-32 can be helmet or weapon mounted. It features five user selectable reticles and precise azimuth and elevation adjustments making targeting simple, fast, and accurate. In the hand-held mode, the UTAM-32S has optional 2X and 3X afocal lenses to optically increase range detection of the unit. A hot-shoe is incorporated for the use of various accessories such as a remote control, video-in/out with NTSC/PAL video signals, and external power supply.

With the variety of optical configurations, the UTAM Series can feature the latest 320 x 240 (25µm) VOx detector technology to enhance range performance. No other thermal system in the market offers this kind of operational modularity.

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FEATURES*

- Remote Operation
- Compact and Rugged
- Extended Battery Life
- Quick-Rail Design
- Head, Helmet or Weapon Mounting Options
- Simple User Operation
- Video Out Module Option
- Hot- Shoe for Accessories
- User Selectable 5 Reticles
- Direct Button Functions
 - 2x Digital Zoom
 - Polarity
 - Display Brightness
- Menu Functions
 - Reticle Select
 - Azimuth Adjust
 - Elevation Adjust

For more information on the UTAM-32 or other Nivisys products call (480) 970-3222 or visit us on the web at www.nivisys.com.

Made in USA

www.nivisys.com

UTAM-32™ BASIC KIT:

- UTAM-32S or UTAM-32M
- Soft Carry Case with Strap
- CR123 Batteries (2ea.)
- Lanyard
- Head Mount Adapter
- Lens Cleaning Kit
- Demist Shield
- Eyecup, Shuttered
- Accucam Mount
- Remote Switch
- Operator Manual
- Quick Reference Guide



FEATURES



RS-16 (Remote Switch)
 Operate the UTAC while keeping both hands on the weapon.



Weapon Mount
 Detachable weapon mount.



35mm Lens Cover (UTAM-32M)
 Ruggedized design protects against harsh environments.



19mm Lens Cover (UTAM-32S)
 Flip-up design with integrated automatic calibration feature.



Head Mount Adapter
 For helmet and head mount in proper orientation.



X-VID (OPTIONAL)
 Export video from the UTAM to a monitor or recording device using a standard RCA input.



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



2X,3X Afocal Lens (OPTIONAL)
 For longer range observation or dedicated weapon system - for UTAM-32S only)

SPECIFICATIONS*

Sensor
 320 x 240 Vanadium Oxide (VOx)
 Microbolometer
 Uncooled 30hz frame rate

Thermal Sensitivity
 <50mK

Spectral Response
 7 – 14µm

Objective
 19mm f/1.25 (UTAM-32S)
 35mm f/1.4 (UTAM-32M)

Polarity
 white hot or black hot

Field of View
 24.1° H x 19.1° V (UTAM-32S)
 13.2° H x 10.4° V (UTAM-32M)

Battery Type/ Life
 CR123 Lithium (2ea.)
 Over 4.5 hours continuous

Weight (with batteries)
 385g (UTAM-32S)
 439g (UTAM-32M)

Dimensions (L x H x W cm)
 14.5 x 6.4 x 7.3 (UTAM-32S)
 15.1 x 6.9 x 7.3 (UTAM-32L)

Display
 OLED - 800 x 600

Diopter Range
 +2 to -6 minimum

Eye Relief
 25mm

Environmental
 -20°C to +50°C (operating temp.)
 -20°C to +70°C (storage temp.)

*Information is subject to change without notice.