UTAM Series

Universal Thermal Acquisition Monocular
UTAM-32iS shown below.

The UTAM Series defines what a multi-use thermal imager should be. It is small enough to fit in a cargo pocket and designed to be handheld. But it is also rugged enough to be attached to a light machine gun with any standard Picatinny rail system. The UTAM Series gives the operator enhanced surveillance and targeting capability during night and adverse weather conditions. User selectable reticles and digital windage and elevation adjustments are readily available through the onboard software and the monocular can be easily boresighted to any weapon. An optional remote control switch provides increased flexibility for the user, integrating the sight and the weapon.

The UTAM Series units are easy to operate with simple and intuitive controls, with standard features such as polarity, display brightness and digital zoom. The user menu provides a selection of display modes including color, monochrome or "alert" mode which highlights the warmest part of the scene in color, enabling the user to optimize the viewed image for the target and scene conditions.

The UTAM Series objective lens is offered in a variety of focal lengths providing a choice of fields of view and target detection ranges. The UTAM Series include image capture and review of still images on the internal micro-display. Video and still images may be downloaded and captured to a SD card using our optional Audio Visual Kit.

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- Compact and Rugged
- Hand Held or Weapon Mounting
- Simple User Operation
- Still Image Capture and Review
- Color Display
- Selection of Reticles
- Direct Button Functions
  - 2X, 4X Digital Zoom
  - (8X with 640 model)
- Polarity
- Display Brightness
- Battery Check
- Menu Functions
  - Reticle Select
  - Windage Adjust
  - Elevation Adjust
  - Display Color Options
  - Video Out Enable

For more information on the UTAM Series or other Nivisys products call (915) 633-8354 or visit us on the web at www.nivisys.com.
**UTAM SERIES BASIC SYSTEM:**

- UTAM Basic Unit
- Soft Carry Case with Strap
- CR123 Batteries (4ea.)
- Lanyard
- Lens Cleaning Kit
- Operator Manual
- Quick Reference Guide

**OPTIONAL**

- Remote Switch
- Weapon Mount
- AVK (Audio Visual Kit)
- VPDM (Video Power Download Module)

**COLOR MODES:**

- Alert
- Mono
- Color 1
- Color 2
- Color 3
- Color 4

**COMMON SPECIFICATIONS**

- **Sensor**
  - Vanadium Oxide (VOx)
  - Microbolometer
  - Uncooled 60Hz frame rate
  - (30Hz for -64 models)

- **Thermal Sensitivity**
  - <50mK

- **Spectral Response**
  - 7 – 14µm

- **Battery Type/ Life**
  - CR123 Lithium (2ea.)
  - 4 hours continuous

- **Diopter Range**
  - +2 to -6 minimum

- **Eye Relief**
  - 25mm

- **Environmental**
  - MIL-STD-810F

- **Calibration**
  - On- Demand

**MODEL DEPENDENT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensor</th>
<th>Objective Lens</th>
<th>Mag</th>
<th>FOV (H x V)</th>
<th>Weight</th>
<th>Dimensions (L x H x W)</th>
<th>Detection: Man/ Vehicle</th>
<th>Display</th>
<th>Operating Temp</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTAM-32cS</td>
<td>Standard 324 x 256, 25µ</td>
<td>19mm f/1.25</td>
<td>1.0</td>
<td>24° x 19° (16° x 13°)</td>
<td>430g</td>
<td>14.7 x 6.0 x 6.6cm</td>
<td>329m/627m 411m/784m</td>
<td>LCD</td>
<td>-10º to +45º C</td>
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<tr>
<td>UTAM-32iS</td>
<td>Standard 324 x 256, 25µ</td>
<td>35mm f/1.4</td>
<td>1.9</td>
<td>13° x 10° (9° x 7°)</td>
<td>465g</td>
<td>15.4 x 6.0 x 6.6cm</td>
<td>719m/1368m (883m/1679m)</td>
<td>LCD</td>
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<tr>
<td>UTAM-32cM</td>
<td>Optional 336 x 256, 17µ</td>
<td>50mm f/1.2</td>
<td>3.1</td>
<td>9° x 7° (5° x 4°)</td>
<td>607g</td>
<td>18.0 x 6.7 x 7.4cm</td>
<td>948m/1625m (1212m/2297m)</td>
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*All specifications are subject to change without notice.*