

# UTAM Series

Rev. 31 Jan 2014

## Universal Thermal Acquisition Monocular

UTAM-32cS 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 bore-sighted to any weapon. An included 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 or monochrome and contrasting reticle 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.

*Export of the commodities described herein is strictly prohibited without a valid export license issued by the U.S. Department of State, Directorate of Defense Trade Controls as proscribed in the International Traffic in Arms Regulations (ITAR), Title 22 Code of Federal Regulation, Parts 120-130.*

*DISTRIBUTION: OSR 14-S-1230. Approved for public release; distribution unlimited. © 2014 Nivisys*

## FEATURES\*

- **Compact and Rugged**
- **Remote Switch**
- **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
  - Polarity
  - Display Brightness
  - Battery Check
- **Menu Functions**
  - Reticle Select
  - Reticle Color (R, G, W)
  - Windage Adjust
  - Elevation Adjust
  - Display Color Options
  - Video Out Enable

**For more information on the UTAM Series or other Nivisys products call (480) 970-3222 or visit us on the web at [www.nivisys.com](http://www.nivisys.com).**

## UTAM SERIES BASIC SYSTEM:

- UTAM Basic Unit
- Soft Carry Case with Strap
- CR123 Batteries (2ea.)
- Lanyard
- Lens Cleaning Kit
- Demist Shield
- Remote Switch
- Operator Manual
- Quick Reference Guide



## COMMON SPECIFICATIONS\*

### Sensor

Vanadium Oxide (VOx)  
Microbolometer  
Uncooled 30hz frame rate

### 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

## COLOR MODES:



Alert

Mono

Color 1

Color 2

Color 3

Color 4

## MODEL DEPENDENT SPECIFICATIONS\*

\*All specifications are subject to change without notice.

Model	Sensor	Objective Lens	Mag	FOV (H x V)	Weight	Dimensions (L x H x W)	Detection: Man/ Vehicle	Display	Operating Temp	
UTAM-16cS	160 x 120, 25µ	19mm f/1.25	1.3	12° x 9°	430g	14.7 x 6.0 x 6.6cm	311m/595m	LCD	-10° to +45° C	
UTAM-16iS								OLED	-40° to +55° C	
UTAM-32cS	320 x 240, 25µ (17µ optional)	19mm f/1.25	1.0 (1.5)	24° x 19° (16° x 13°)	430g	14.7 x 6.0 x 6.6cm	329m/627m	LCD	-10° to +45° C	
UTAM-32iS								OLED	-40° to +5° C	
UTAM-32cM		35mm f/1.4	1.9 (2.7)	13° x 10° (9° x 7°)	465g	15.4 x 6.0 x 6.6cm	719m/1368m (883m/1679m)	LCD	-10° to +45° C	
UTAM-32iM								OLED	-40° to +55° C	
UTAM-32cL		60mm f/1.25	3.1 (4.6)	8° x 6° (5° x 4°)	607g	18.0 x 6.7 x 7.4cm	1138m/1950m (1454m/2756m)	LCD	-10° to +45° C	
UTAM-32iL								OLED	-40° to +55° C	
UTAM-64cM		640 x 480, 17µ	35mm f/1.4	1.4	18° x 13°	465g	15.4 x 6.0 x 6.6cm	883m/1679m	LCD	-10° to +45° C
UTAM-64iM									OLED	-40° to +55° C