

UTAM Series

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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 bore-sighted 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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FEATURES*

- 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)



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

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-32cS	Standard 324 x 256, 25μm (optional 336 x 256, 17μm)	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 411m/784m	LCD	-10° to +45° C
UTAM-32iS								OLED	-40° to +55° 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		50mm f/1.2	3.1 (4.6)	9° x 7° (5° x 4°)	607g	18.0 x 6.7 x 7.4cm	948m/1625m (1212m/2297m)	LCD	-10° to +45° C
UTAM-32iL								OLED	-40° to +55° C
UTAM-64cM	640 x 512, 17μm	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
UTAM-64cL		50mm f/1.2	1.9	12° x 9°	607g	18.0 x 6.7 x 7.4cm	1212m/2297m	LCD	-10° to +45° C
UTAM-64iL								OLED	-40° to +55° C