

# NIVISYS™

## NIGHT VISION SYSTEMS



# TAWS Series

Rev. Jan. 10 2019

## Thermal Acquisition Weapon Sight

TAWS-64iL shown below.



The TAWS Series is our dedicated thermal weapon sight line. It is versatile enough to be used as a hand-held unit when needed and can easily be mounted and detached from any standard Picatinny rail system using the double throw lever mount. The TAWS 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 sight can be easily bore-sighted to any weapon. The TAWS includes a remote control switch which provides increased flexibility for the user, integrating the sight and the weapon.

The TAWS 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 TAWS Series objective lens is offered in a variety of focal lengths providing a choice of fields of view and target detection ranges. The TAWS Series models include image capture to an internal memory 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**
- **Remote Switch**
- **Weapon Mounted or hand-held**
- **Simple User Operation**
- **Still Image Capture and Review**
- **Color Display**
- **Selection of Reticles**
- **Direct Button Functions**
  - 2X, 4X Digital Zoom (336)
  - 2X, 4X, 8X Digital Zoom (640)
  - Polarity
  - Display Brightness
  - Battery Check
- **Menu Functions**
  - Reticle Select
  - Windage Adjust
  - Elevation Adjust
  - Display Color Options
  - Video Out Enable

**For more information on the TAWS Series or other Nivisys products call (915) 633-8354 or visit us on the web at [www.nivisys.com](http://www.nivisys.com).**

Made in USA

### TAWS SERIES BASIC SYSTEM:

- TAWS Basic Unit
- Soft Carry Case with Strap
- CR123 Batteries (4ea.)
- Open Eye Cup
- Lens Cover
- Weapon Mount
- Lens Cleaning Kit
- Remote Switch
- Operator Manual
- Quick Reference Guide
- Mount Adjustment Tool



### COLOR MODES:



Alert      Mono      Color 1      Color 2      Color 3      Color 4

### COMMON SPECIFICATIONS\*

**Sensor**  
Vanadium Oxide (VOx)  
Microbolometer, Uncooled  
30 or 60hz

**Thermal Sensitivity**  
<50mK

**Spectral Response**  
7 – 13.5µm

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

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

**Eye Relief**  
25mm

**Environmental**  
MIL-STD-810G

**Calibration**  
On- Demand

### MODEL DEPENDENT SPECIFICATIONS\*

\*All specifications are subject to change without notice.

Model	Sensor Resolution, Pixel Size	Objective Lens	Mag	FOV (H x V)	Weight (w/ bat)	Dimensions (L x H x W)	Detection: Man/ Vehicle	Display	Operating Temp
TAWS-32cM	336 x 256, 17µ	35mm f/1.4	2.7	9° x 7°	590g	15.2 x 6.8 x 6.8cm	883m/1679m	LCD	-10° to +45° C
TAWS-32iM								OLED	-40° to +5° C
TAWS-32cL		50mm f/1.2	4.6	5° x 4°	724g	18.0 x 6.7 x 7.4cm	1212m/2297m	LCD	-10° to +45° C
TAWS-32iL								OLED	-40° to +55° C
TAWS-64cM	640 x 512, 17µ	35mm f/1.4	1.4	18° x 13°	590g	15.2 x 6.8 x 6.8cm	883m/1679m	LCD	-10° to +45° C
TAWS-64iM								OLED	-40° to +55° C
TAWS-64cL		50mm f/1.2	1.9	12° x 9°	724g	18.0 x 6.7 x 7.4cm	1212m/2297m	LCD	-10° to +45° C
TAWS-64iL								OLED	-40° to +55° C