



# DVS-110

## Divers Vision System

Nov 30, 2017



Nivisys has developed the DVS-110 as a platform for underwater applications using the submersible MUM-14D hand-held night vision viewer. The DVS-110 has been tested to depths of 20 meters (66ft) and has proven to be operational at these depths. It is a great tool for operations where underwater visibility is needed and gives the operator a hands-free tactical advantage to the mission.

The Nivisys MUM-14D fits on the dive mask to make a great solution for underwater operations that require enhanced vision devices. The interface allows either eye to be used and gives dual range axis of adjustments. The DVS-110 system is supplied with custom Nivisys components to aid in deep water immersion. When not in use in the water, the system can be utilized as a weapon mounted, helmet mounted or handheld night vision monocular.

*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 13-S-1226. Approved for public release; distribution unlimited. © 2017 Nivisys*

### FEATURES\*

- **Dual Mission – Sea and Land**
- **Submersible to 20m**
- **Gen 3 Tube Technology Green or White Phosphorus**
- **High Res: 64 lp/mm**
- **40° Field of View**
- **Lightweight & Compact**
- **Rugged Design - Mil Spec**
- **CR123 or AA Battery**
- **Covert Application Ready**
- **Versatile and Modular**
- **Hand held or hands free**
- **Dive Mask mounted**
- **Head/Helmet mounted**
- **Weapon Mounted**
- **1913 Rail interface**
- **U.S. Divers Mask for maximum under water view**

**For more information on the DVS-110 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

**DVS-110 BASIC KIT:**

- MUM-14D Monocular Assembly
- U.S. Divers Mask with Mount
- Head Mount Assembly with pads
- Swing Arm Interface
- Weapon Mount
- Neck Cord
- Objective Lens Cap
- Dive Window
- Batteries (AA and CR123)
- Lens Tissue
- Anti-fog spray bottle
- Shoulder Strap
- Eyecup Assembly
- Operator Manual
- Soft Carry Case for MUM 14D
- Hard Carry Case for Mask
- Quick Reference Guide



**SPECIFICATIONS\***

**Image Intensifier Tube**  
18mm 3rd Gen

**Resolution**  
1.3 cy/mR (typical Gen III)

**Objective Lens**  
27mm, f/ 1.2

**Magnification**  
1x (unity)

**Field of View**  
40° standard

**Focus Range**  
25cm - ∞

**Battery Type**  
CR123 lithium or AA

**Battery Life**  
>40 hours operations (CR123)  
>20 hours operation (AA)

**Dimensions (L x W x H)**  
11.4 x 4.9 x 7.9 cm

**Diopter Range**  
+4 to -6

**Weight**  
305 grams with battery (monocular)

**Eye Relief**  
25mm

**Indicators**  
Low battery (yellow)  
IR illuminator (red)

**Environmental**  
-37C to +54C (operating)  
-51C to +85C (storage)  
20m (submersible)

**FEATURES**



**Hand Held Unit**  
When the MUM-14D is detached from the dive mask, it becomes a handheld night vision device



**Headmount Adapter**  
Interface between unit and head or helmet mounts



**Weapon Mount**  
Quick attach mount to a standard picatinny rail

**OPTIONS**



**Magnifier Lenses**  
3x, 5x Quick attach Afocal lenses



**IR Flood/Spot**  
Attaches to the unit's IR source



**Shuttered Eyecup**  
For covert operations

\*Specifications are subject to change without notice.