



# Monoscope SV

## PRODUCT SPECIFICATIONS

### optical

<b>Exit Pupil (mm)</b>	5
<b>Eye Relief (mm)</b>	13
<b>Focus/convergence</b>	+/- 4
<b>Monocular FOV (diagonal)</b>	43°
<b>Total HFOV</b>	34°
<b>Vertical FOV</b>	25°
<b>Geometric Distortion</b>	< 10%

### mechanical

<b>Weight (g)</b>	450
-------------------	-----

### performance

<b>Display Technology</b>	OLED
<b>Resolution</b>	800x600
<b>Contrast</b>	> 100:1
<b>Brightness (fL)</b>	30
<b>Spatial Resolution (arc-min/pixel)</b>	2.6

The Monoscope SV is a low-cost display capable of simulating a variety of real optical devices in professional training and simulation applications. It features an 800x600 full color microdisplay and an optional 43 degree field-of-view eyepiece.

The Monoscope SV is housed in a rugged aluminum housing with a standard tripod mount. Systems can be customized to accommodate different mechanical mounting requirements. Engineering information is provided to allow customers to perform these modifications themselves, or NVIS engineers can build the Monoscope to individual specifications. An optional eyepiece is available, providing users with a 43° diagonal field-of-view.

The system can be adapted on a custom basis to simulate practically any monocular optical instrument. Successful implementations include simulated rifle-scopes and a number of vehicle-mounted sighting systems.

