



# Monoscope SX

## PRODUCT SPECIFICATIONS

### optical

<b>Geometric Distortion</b>	< 7%
<b>Total HFOV</b>	32°
<b>Exit Pupil (mm)</b>	5
<b>Focus/convergence</b>	-4(±.25) / +5(±.25)
<b>Eye Relief (mm)</b>	20
<b>Vertical FOV</b>	25°
<b>Monocular FOV (diagonal)</b>	41°

### mechanical

<b>Weight (g)</b>	450
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### performance

<b>Display Technology</b>	LCOS (reflective)
<b>Resolution</b>	1280x1024
<b>Contrast</b>	100:1
<b>Brightness (fL)</b>	30
<b>Spatial Resolution (arc-min/pixel)</b>	1.5
<b>Stuck-on Subpixels / Eye</b>	<= 2

The Monoscope SX is an off-the-shelf, configurable, high resolution display solution designed for integration into military trainers and simulators.

The Monoscope SX is housed in a rugged sheet metal 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 40° 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.

Please visit [www.nvisinc.com](http://www.nvisinc.com) for more information.

