



nVisor SX111

Head-Mounted Display

The nVisor SX111 offers users a truly immersive display with a total viewing real estate covering 102° horizontal by 64° vertical, with 111 degrees across the diagonal. Other displays with comparable field-of-view are either overpriced, provide inadequate resolution, or create undesirable tiling artifacts from use of multiple microdisplays. The nVisor SX111 uses a only one microdisplay per eye and can be driven from a single PC source supporting dual DVI or analog video output. Adequate eye relief accommodate users with eyeglasses and a large exit pupil supports eye movement across the expansive field-of-view without vignetting.

The nVisor SX111 is now available directly from NVIS and through our global network of Authorized NVIS Resellers. Please see below for our contact information and our website where you'll find up-to-date product information and pricing.

PRODUCT SPECIFICATIONS

optical

Geometric Distortion	< 1%
Vertical FOV	64
Exit Pupil (mm)	12
Total HFOV	102
Eye Relief (mm)	25
Focus/convergence	infinity
Monocular FOV (diagonal)	90
Overlap	50 degree (66%)
Monocular H FOV	76

mechanical

IPD Range (mm)	55-73
Weight (g)	1.3 kg
Cable Length (m)	4.5

performance

Display Technology	LCOS
Resolution	1280x1024
Contrast	> 100:1
Brightness (fL)	5
Spatial Resolution (arc-min/pixel)	3.6
Pixel Defects / Eye	<= 2

COMPATIBLE PRODUCTS

Video Control Units

- Advanced Video Control Unit For NVisor SX111
- Advanced Video Control Unit W/ Battery For NVisor SX111

Audio Accessories

- Headphone Upgrade
- Headphone/Microphone Upgrade

Motion Trackers

- InertiaCube 2+
- InertiaCube 3

Eye Trackers

- Viewpoint Binocular Eyetracker
- Viewpoint Monocular Eyetracker

