



# nVisor SX

## Head-Mounted Display

The nVisor SX is a state-of-the-art new head-mounted display (HMD) for advanced virtual reality applications. The nVisor SX incorporates high-resolution color microdisplays with custom engineered optics to deliver unsurpassed visual acuity in a wide field-of-view format.

The nVisor SX boasts an attractive ergonomic design with easy access to SX adjustments including inter-ocular distance, eye-relief to accommodate users with eyeglasses, and a robust head-fitting apparatus to balance and comfortably align the HMD.

The nVisor SX features external mounting points for most common headtrackers including the IS-300 and InertiaCube2 from InterSense®, and the Flock-of-birds and 3D-Bird from Ascension Technology®. The nVisor SX has also been designed to accommodate unobtrusive internal mounting for the advanced six-degree-of-freedom IS-900 motion-tracker from InterSense.

Compatible with virtually any PC or workstation, the nVisor SX accepts VESA standard SXGA video in either digital or analog formats. The video control electronics support both stereoscopic and monoscopic viewing by detecting dual or single inputs, respectively. An analog output is provided for driving a repeater monitor and a standard RS-232 port supports future firmware upgrades.

The nVisor SX is available now on a worldwide basis directly from NVIS and through our reseller network. Please visit our web site at [www.nvisinc.com](http://www.nvisinc.com) for more information.

### PRODUCT SPECIFICATIONS

#### optical

Vertical FOV	35°
Total HFOV	44°
Exit Pupil (mm)	9
Eye Relief (mm)	23
Focus/convergence	Collimated
Monocular FOV (diagonal)	60°
Geometric Distortion	< 15%

#### mechanical

IPD Range (mm)	53 to 72
Weight (g)	1000

#### performance

Resolution	1280x1024
Contrast	100:1
Brightness (fL)	30
Visual Acuity (arc-min/pixel)	2

### COMPATIBLE PRODUCTS

#### Video Control Units

- Advanced Stereoscopic Video Control Unit
- Single Input / Dual Output SX Video Control Unit
- Stereoscopic SX Video Control Unit

#### Optional Accessories

- Viewpoint Eyetracker
- InertiaCube 2+
- Viewpoint Binocular Eyetracker
- VideoVision Add-On Video See-Through
- Reusable Shipping Case
- NVisor Headphone Upgrade
- NVisor SX Integrated Microphone
- NVisor SX Integrated Headphone/Microphone Upgrade

