



nVisor SX60

Head-Mounted Display

The nVisor SX60 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 SX60 boasts an attractive ergonomic design with easy access to user 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 SX60 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 SX60 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 SX60 is available now on a worldwide basis directly from NVIS and through our reseller network. Please visit our web site at www.nvisinc.com for more information.

PRODUCT SPECIFICATIONS

optical

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

mechanical

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

performance

Resolution	1280x1024
Display Technology	LCOS (reflective)
Contrast	100:1
Brightness (fL)	30
Spatial Resolution (arc-min/pixel)	2

COMPATIBLE PRODUCTS

Video Control Units

- Advanced Video Control Unit
- Advanced Video Control Unit W/ Battery

Audio Accessories

- Headphone Upgrade
- Headphone/Microphone Upgrade
- nVisor SX Integrated Microphone

Motion Trackers

- InertiaCube 2+
- InertiaCube 3
- InterSense IS-900 Minitrax

Eye Trackers

- Viewpoint Binocular Eyetracker
- Viewpoint Monocular Eyetracker

Additional Accessories

- Integrated Dual USB Joy Button
- Integrated USB Joystick Button
- Reusable Shipping Case

