



nVisor ST

Head-Mounted Display

The nVisor ST is a professional see-through head-mounted display designed for augmented reality applications requiring a vivid, high-resolution display in a wide field-of-view format ideal for advanced training and simulation.

PRODUCT SPECIFICATIONS

optical

Total HFOV	48°
Exit Pupil (mm)	12
Eye Relief (mm)	26
Focus/convergence	Collimated
Monocular FOV (diagonal)	60°
Vertical FOV	40°
Geometric Distortion	< 1%
See-through Transmission	40%

mechanical

IPD Range (mm)	55 to 73
Weight (g)	1300

performance

Resolution	1280x1024
Contrast	100:1
Brightness (fL)	30
Visual Acuity (arc-min/pixel)	2.25

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

- InertiaCube 2+
- Reusable Shipping Case
- NVisor Headphone Upgrade
- NVisor SX Integrated Microphone
- NVisor SX Integrated Headphone/Microphone Upgrade

The nVisor ST is designed to provide users excellent clarity and visibility of their physical environment, while superimposing a bright virtual image across a 60° diagonal field-of-view. The low distortion optical design of the nVisor ST makes it ideal for professional simulation and industrial design applications requiring accurate registration between the virtual and physical environment. With light output of 30 fL, the ST is ideal for indoor environments with mixed lighting conditions.

The nVisor ST features external mounting points for most common headtrackers including the InertiaCube 2/3 from InterSense®, and the Flock-of-birds and 3D-Bird from Ascension Technology®. The nVisor ST 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 ST 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 automatically. An analog output is provided for driving a repeater monitor and a standard RS-232 port supports future firmware upgrades.

The nVisor ST is available on a worldwide basis directly from NVIS and through our reseller network.

