



**The remarkably sharp, bright, wide field-of-view nVisor ST see-through head-mounted display.**

- **1280x1024 pixels / eye**
- **24-bit color**
- **Stereoscopic**
- **60° diagonal field-of-view**
- **Sharp, bright image ideal for professional augmented reality applications**



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.

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 head-trackers 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. Please visit our web site at [www.nvisinc.com](http://www.nvisinc.com) for more information.

### **Specifications**

#### *Optical*

Monocular FOV:	60° Diagonal
Eye relief	26 mm
Exit pupil	12 mm
Focus/Convergence	Infinity
Overlap:	100%
Transmission:	40%

#### *Display*

Resolution:	1280 x 1024 Pixels / Eye
Brightness:	~ 30 fL Max (Adjustable)
Contrast (Image):	100:1
Color Depth:	24 Bit
Technology:	Reflective FLCOS

#### *Mechanical*

IPD Adjustment:	55-74 mm
Weight:	≈1.3 kg
Tracker:	Most trackers Supported

#### *Requirements*

Input:	AC100-240V
Consumption:	25 W Max
Video:	60 Hz SXGA DVI or Analog