NVISOR SX

NVIS

New **V**irtual **I**maging **S**ystems

High-Resolution, Wide Field-of-View Head-Mounted Display

- **1280 x 1024 Pixels / Eye**
- **24 Bit Color**
- **Stereoscopic**
- **60 degree diagonal field-of-view**
- **Motion Tracking Available**

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.

Features

The nVisor SX 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 SX features external mounting points for most common head-trackers 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 for more information.

Specifications

Optical

Monocular FOV:	60° Diagonal
Overlap:	100%

Display

Resolution:	1280 x 1024 Pixels / Eye
Brightness:	~ 25 fL Max (Adjustable)
Contrast:	~ 200:1
Color Depth:	24 Bit
Technology:	Reflective FLCOS

Mechanical

IPD Adjustment:	55-70 mm
Eye Relief:	23-30 mm
Weight:	~1 kg
Tracker:	Most trackers supported

Requirements

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