



nVisor MX90

Modular Head-Mounted Display

The nVisor MX90 offers users a truly immersive display with a total viewing real estate covering 76° horizontal by 64° vertical. Other displays with comparable field-of-view are either overpriced, provide inadequate resolution, or create undesirable tiling artifacts from use of multiple microdisplays. The nVisor MX90 uses a only one microdisplay per eye and can be driven from a single PC source supporting dual DVI or analog video output. Adequate eye relief accommodate users with eyeglasses and a large exit pupil supports eye movement across the expansive field-of-view without unwanted vignetting.

The nVisor MX90 features the same breakthrough adjustment mechanism used in all M-series HMDs, allowing users to intuitively position the eye modules quickly and precisely for optimum viewing and comfort.

The nVisor MX90 is now available directly from NVIS and through our global network of Authorized NVIS Resellers. Please see below for our contact information and our website where you'll find up-to-date product information and pricing.

PRODUCT SPECIFICATIONS

optical

Geometric Distortion	< 1%
Vertical FOV	64°
Total HFOV	76°
Exit Pupil (mm)	8
Eye Relief (mm)	24
Focus/convergence	Collimated
Monocular FOV (diagonal)	90°

mechanical

IPD Range (mm)	57 to 73
Adjustments	IPD, up-down, fore-aft, and tilt
Weight (g)	1400 (without counter-weight)

performance

Resolution	1280x1024
Contrast	>100:1
Brightness (fL)	15
Visual Acuity (arc-min/pixel)	3.6

COMPATIBLE PRODUCTS

Video Control Units

- **Advanced Stereoscopic Video Control Unit**

Optional Accessories

- **InertiaCube 2+**
- **nVisor MX Integrated Headphone/Microphone Upgrade**

