



# nVisor MX120

## Modular Head-Mounted Display

The nVisor MX120 offers users a truly immersive display with a total viewing real estate covering 114° 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 per displays. The nVisor MX120 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 accommodates users with eyeglasses and a large exit pupil supports eye movement across the expansive field-of-view without unwanted vignetting.

The nVisor MX120 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 MX120 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

Overlap	50%
Geometric Distortion	< 1%
Vertical FOV	64°
Total HFOV	114°
Exit Pupil (mm)	8
Focus/convergence	Collimated
Eye Relief (mm)	24
Monocular FOV (diagonal)	90°

#### mechanical

IPD Range (mm)	53 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

