



nVisor MH60

Helmet-mounted display module

PRODUCT SPECIFICATIONS

Optical

FOV, Vertical	34.4°
FOV, Horizontal	43.6°
Overlap	100
Pupil Size	9, Non-Real mm
Eye Relief	23 mm
Geometric Distortion	+15% Maximum (Pincushion)
Brightness (MAX)	30 fL
Contrast (Min.)	100:1
Image Defect Criteria	Available Online
Spatial Resolution	2.1 arcmin/pxl

Microdisplay

Display Technology	Color Sequential, LCOS (Reflective)
Resolution	SXGA 1280 x 1024
Color Depth	24-BIT (8 bits per R,G,B)

Video

Video Input Format	SXGA 1280 x 1024 @ 60 Hz
Video Interface	Digital over DVI-D: Left and Right channels or Analog over VGA: Left and Right channels
Latency	<16.7 ms

Controls

Interpupillary Distance (IPD) Range	53 to 72 (Independent left and right) mm
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Physical

Size (envelope)	4.4 L x 7.9 W x 6.2 H max in
Mass	955 g
Cable Length	4.7 m

The nVisor MH60 helmet compatible display features a compact optical design with eyeglass compatible eye-relief and a large exit pupil for minimal adjustments across a wide range of users.

The displays are housed in a rugged module with intuitive mounting hardware for quick attachment and detachment to the user's own HGU-56 flight helmet. Provisions are available for cable management and counterweight, if desired. The nVisor MH60 is compatible with industry standard motion trackers including the InterSense IS-900 Sensors and the InertiaCube 2+/3.

The nVisor MH60 is available now directly from NVIS. Currently ships only within the US.



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