

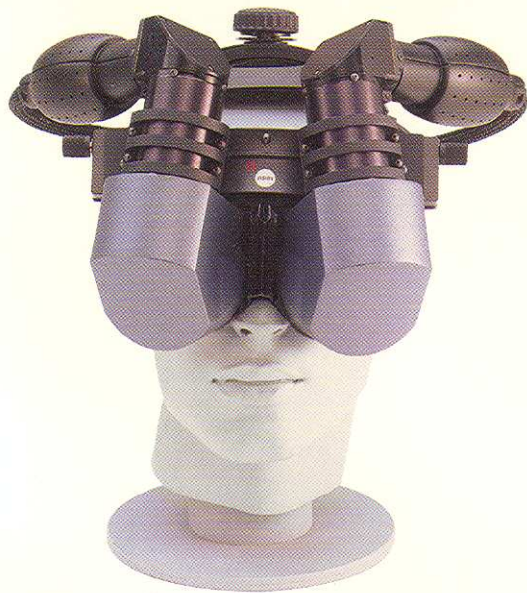
n•vision

Visual Solutions

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see the difference with n•vision



Datavisor® 80

120 degree field-of-view;
up to 1280x1024 full-color;
ergonomic design;
stereoscopic; digital display control;
highest performance HMD



Datavisor VGA/HiRes

up to 78 degree field-of-view;
VGA (640x480) and HiRes (1280x1024)
color display options; see-through capable;
ergonomic design; stereoscopic;
adjustable focus; instrument grade optics

Since its beginning as a project sponsored by NASA, n•vision has designed, manufactured, and brought to market visual display systems that provide extremely high impact video quality for three dimensional immersive environments.

n•vision display systems, vital components in the total immersive technology package, function in

concert with top quality motion tracking devices and state-of-the-art graphics sources. Together, they create the world's most advanced immersive experience.

We offer a versatile product line, logical upgrade paths for current systems and customization services. Whether your needs are application specific or for commercial off-the-shelf solutions,



ViewPort HMD

user-friendly quick-fit design; head-mounted device; stereoscopic or monoscopic; 62 degree field-of-view; VGA (640 x 480) color display; pneumatic suspension



ViewPort Hand Held

standard configuration; features same performance specifications as the ViewPort HMD



Virtual Binoculars VGA/HiRes

handheld or mounted; VGA or HiRes color display options; user-adjustable focus; supports tracking, user input options



Monoscopic Display VGA/HiRes

VGA and HiRes color display options; user-adjustable focus; supports tracking

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our dedicated team of engineers and industrial designers consult with you to provide just the right solution.

n-vision's products are available directly from n-vision and Authorized Resellers worldwide.

Call us today

n-vision inc.
7680 Old Springhouse Road
McLean, Virginia 22102

703.506.8808 voice
703.903.0455 fax

<http://www.nvis.com>
sales@nvis.com

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Technical Specifications

	Datavisor 80	Datavisor VGA/HiRes	Virtual Binoculars VGA/HiRes	ViewPort
Optical				
Monocular FOV (diameter)	80°	52°	42°	58° horiz. (3:4 rect.)
Maximum FOV (horizontal)	120°	78°	42°	62°
Image Plane Focus	infinity	adj. infinity to 0.25m	adj. infinity to 0.5m	4m (factory adj.)
Pupil Diameter	15mm	12mm	6mm	25mm
Brightness	> 5fL	> 8.5fL	>15fL	>15fL
Arc Minute / Pixel	3.0	VGA 3.9 HiRes 1.9	VGA 3.2 HiRes 1.6	5.4
Eye Relief	30mm	15mm	n/a	30mm
Overlap Positions	50%	50%, 100%	100%	92%
See Through Capable	yes	yes	no	no
Display				
Technology	1" CRT	1" CRT	1" CRT	3" CRT
Video Format Range	multisync 640x480 to 1280x1024	VGA 640x480 HiRes multisync 640x480 to 1280x1024	VGA 640x480 HiRes multisync 640x480 to 1280x1024	640x480
Supported Vertical Rates	180Hz	VGA 180hz, 60hz HiRes 180hz	VGA 180hz, 60hz HiRes 180hz	180Hz, 60Hz
Full Color (24 bit)	yes	yes	yes	yes
Mechanical				
IPD Adjustment	53-73mm	53-73mm	53-73mm	n/a
Weight	64oz	56oz	36oz	72oz w/mechanical suspension

specifications subject to change without notice



n•vision inc.
 7680 Old Springhouse Road
 First Floor
 McLean, VA 22102 USA
 Tel: 703.506.8808
 Fax: 703.903.0455
 web: <http://www.nvis.com>
 e-mail: sales@nvis.com

