NED™

Near-Eye Display
Measurement Systems

AR/VR Testing Solutions

GAMMA SCIENTIFIC

ISSLFT

Imaging system easily integrates into Lab or Production lines for fully automated, instantaneous FOV AR/VR display testing.

» *High resolution*
» *High speed*
» *High color accuracy*

Fiber-integrated
Spectroradiometer reference
2deg FOV (default)

Also configurable for high resolution microdisplay test applications.

NED™ M and NED™ W

Wide Field of View Benchtop Testers

NED M80: 80 degree FOV
Imaging Colorimeter Platforms

NED W150: 150 degree FOV
Imaging Colorimeter Platforms

W150: 150deg diagonal FOV
Wide angle capture

M80: 80deg diagonal FOV
High Resolution capture -
matching human eye

GS-NEDTest™
Software Suite

Dedicated Software for Full Analysis and Insight

Most comprehensive near eye display test suite with over 25+ fully automated tests

Measurements in real-time and after testing

3D interactive plots and complete test reports for each DUT (left and right eye)

SDKs available for custom test scripts in Python, Matlab, C, C++, and C#

Complete performance verification with high resolution 2D image

Complies with the latest international IEC 63145, ISO and IDMS standards for near-eye display metrology.

Most comprehensive near eye display test suite

GS-NEDTest™
Software Suite

Fully Automated Measurement Capabilities

Product Family	NED™ E-Series		
GsNEDTest™ SW Features	**Spectral Quality**	**Spatial Image Quality**	
Standard SW			
1.	Center Color and Luminance	8.	MTF Curves/Contrast Curve
2.	Luminance Uniformity	9.	Michelson Contrast Uniformity
3.	Color/Chromaticity Uniformity	10.	Image Geometric Distortion
4.	Color Gamut Area	11.	Virtual Image Distance
5.	Field of View (by Luminance)	12.	Field of View (by Contrast)
6.	Design Eyebox (by Luminance)	13.	Design Eyebox (by Contrast)
7.	Sequential / Full-On-Full-Off Contrast	14.	Checkerboard Contrast
	Binocular Disparity		
15.	Interpupillary Distance (IPD) by Luminance	16.	Interpupillary Distance (IPD) by Contrast
		17.	Left/Right Eye Parallax

All test methods conform with the latest international standards being developed by the IEC, IDMS, and ISO for AR/VR Metrology; consult with Gamma Scientific for any addiitonal tests.

Complete Family of AR/VR   Testing Solutions to Fit Your Needs

Product Family	NED™ E		NED™ M	NED™ W	NED™ V	
Platform	Robotic Eye™		Benchtop	Benchtop	Benchtop	
Model #	E100	E101	M80	W150	V24-75	V24-100
Resolution (PPD)	250	250	144	59	93	55
FOV Horizontal	160°	160°	65°	150°	56°	96°
FOV Vertical	45°	90°	48°	117°	49°	83°