

NV-2500

NIGHT VISION GOGGLE

FIELD TEST SET

OVERVIEW

Electro Optical Industries' NV-2500 is the new standard for night vision goggle testing. Designed for testing night vision monocular or binocular systems, the NV-2500 system, provides automated testing of all standard NVG tests with unparalleled accuracy and operator ease of use. Users operate the system with a built-in touchscreen where they can view test results in real time video without eye strain looking through the eye piece. Our unique system architecture allows for best-in-class repeatability (in-system and system to system). Resolution testing is automated using Industry Standard MTF analysis instead of judgment calls, eye strain and operator to operator errors often encountered by using the standard 3 bar resolution targets to determine resolution. Operator manual versions of the test are also selectable for backward compatibility. Test reports are automatically generated for users to download via USB. English or Spanish language operation is selectable.



CONFIGURATION

The NV-2500's unique architecture supports the necessary accessories required for operation of all standard NVD tests. Operator manuals and contextual help are provided on-board via the touchscreen - no need to fumble through paper manuals. All results can be saved to a PDF file with images, easily downloaded to USB storage drives or transfer to or print on your preferred device. Password protected screen allows simple customization of the test sequence.

FEATURES

- Touchscreen user interface
- Best-in-class repeatability
- Automated testing capability
- Quantitative testing to remove operator error
- Unparalleled ease of use via simplified alignment
- Low battery indicator
- Reports as stored as PDFs and USB downloadable
- English or Spanish language selectable

STANDARD TESTS

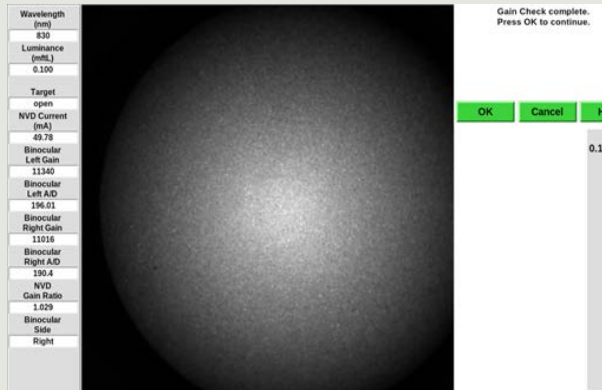
- Built-in setup function
- Intensifier Check
- Infinity Focus
- Low Light Resolution (MTF)
- High Light Resolution (MTF)
- Bright Light Resolution (MTF)
- Gain Check
- Spot Defects
- Distortion Test
- Collimation Test
- Current Draw
- Low battery indicator



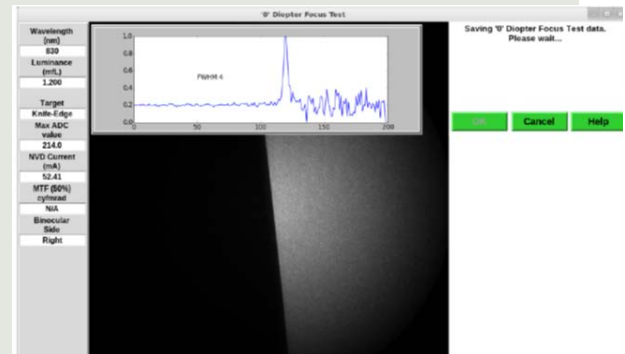
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→ Gain test screen



→ Knife edge target for focus and MTF tests

TECHNICAL

NV-2500

Field of View	40°
System Gain	Gain reading including ratio between eye pieces of a binocular
Resolution	Automated MTF to eliminate operator differences and provide real live feedback for focus; manual operation available on standard USAF target.
Bright Light Resolution	Bright MTF test for Gated Intensifiers
Image Quality	MTF or USAF target, spot detect zones, distortion, collimation and diopter tests
NVD Battery	Comprehensive NVD electrical system test for battery packs, power supplies and helmet mounts
NVG Current	System current draw and test voltage
Touchscreen Operation	User selectable menus and interface with contextual help
Packaging	MIL-STD-810 rated portable case
Input power	90-240 VAC, 50/60 Hz
Battery Operation	Up to 4 hours, optional 2nd battery extends to 8 hours
Dimensions	14.5 in (36.8 cm) x 15 in (38 cm) x 16 in (40.6 cm)
Weight	38.2 lbs (17.3 kg)

Above information is subject to changes without notice



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