



OVERVIEW

Common E-O is an easy to use, modular test set designed for first tier maintenance of man-portable electro-optical sights/scopes. The test set is user friendly and ideal for rapid assessment of system health, maintenance and operational status. Common E-O is integrated with SBIR IRWindows™4 test automation software to provide accurate and consistent test results. The system can be easily expanded to support testing of laser systems.

FEATURES

- Automated Visible/NIR/IR Sensor Test Set
- Compact, Portable and Rugged
- First Tier Maintenance Support
- Fully Integrated Hardware and Software
- IRWindows™4 TPS Development Environment
- Simultaneous Vis/IR testing for fused sensors

CURRENTLY SUPPORTED SYSTEMS

IR SYSTEMS

- AN/PAS-13B, C, D
- AN/PAS-22, LRTI
- AN/PAS-23
- AN/PAS-25, TLSI
- MRTB
- AN/PAS-27, IWNS-T
- AN/PAS-28
- TAM-14
- AN/PSQ-20
- AN/KAS-1
- LTLM

VISIBLE/NIR SYSTEMS

- AN/PVS-4
- AN/PVS-9
- AN/PVS-10
- AN/PVS-14
- AN/PVS-17B, C
- AN/PVS-22
- AN/PVS-24A
- AN/PVS-27

Other UUTs Easily Added!



AN/PEQ-16A



AN/PAS-25



AN/PAS-22

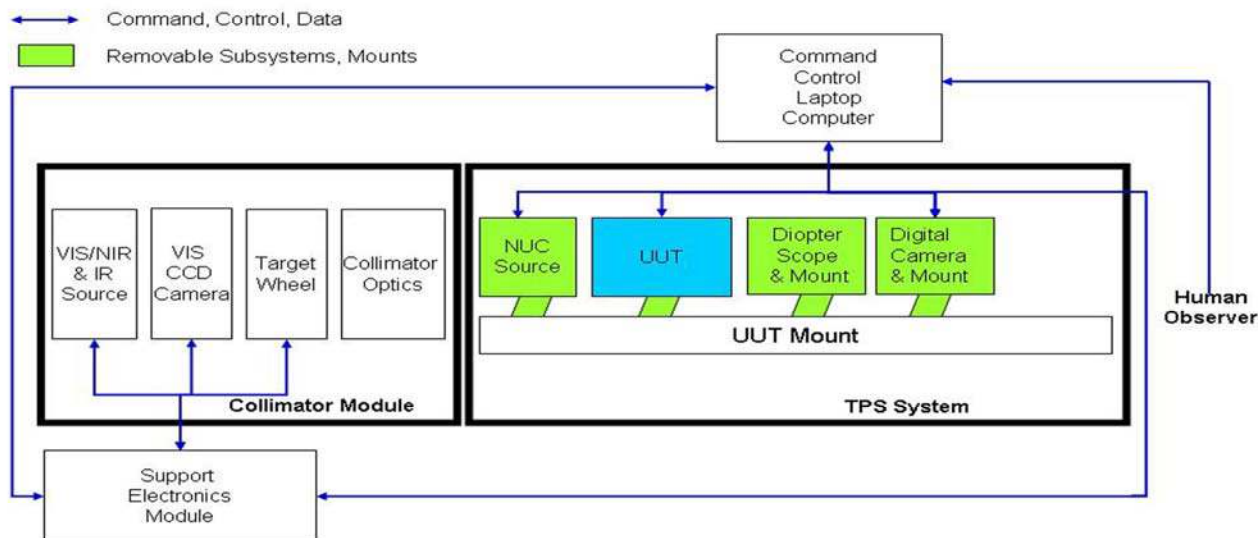


AN/PAS-13C

Solutions

for Every EO Test Requirement

30 S. Calle Cesar Chavez, Suite D • Santa Barbara, Ca. 93103
(805) 965-3669 • (805) 963-3858 • <http://www.sbir.com>



SYSTEM COMPONENTS

- **Collimator**
 - Broadband Reflective Projection Optic (5 degree FOV)
 - Window - Broadband Transmissive Optic and Environmental Protection
 - Expandable Light Seal Bellows for Low Light Testing
- **Multi Lambda Source (MLS)**
 - Blackbody - High Emissivity Infrared Source
 - Wide Luminance Range Tungsten Halogen Uniform Source - Visible and IR
- **Internal CCD camera - Laser Presence/Boresight**
- **Multiple Position Target Wheel (22 Positions)**
- **NUC Flood Source - High Emissivity Extended Infrared Source**
- **External Rail System Assembly**
 - AZ/EL Stage
 - UUT Interchangeability
 - MIL-STD-1931 Interface
- **External Digital Camera - Through Eyepiece Tests, IR Gain, IR High Light**
- **External Diopter Scope - Through Eyepiece Tests**
- **External Power Meter (Optional) - For UUT Laser Power Measurements**
- **External Attenuation Filter Set - For support of UUT Laser Devices**
- **Support Electronics Module**
 - Programmable Power Supply - Battery Condition Indicator
 - Collimator Module Drive, COM and Control Electronic Cards
 - Ethernet Hub and IEEE-1394a Interface
 - Power Distribution
- **Laptop Computer - Command, Control, Data Post-Processing, Image Display and Processing, Archiving**
- **NTSC, PAL, or RS-170 Video Interface Framegrabber (Other Interfaces Available)**
- **Weight (Including Transit Cases) <85 lbs. Per Case**
- **System is Stored and Shipped in Two Man-Portable Transit Cases**

* Specifications are subject to change without prior notice

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