

## 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

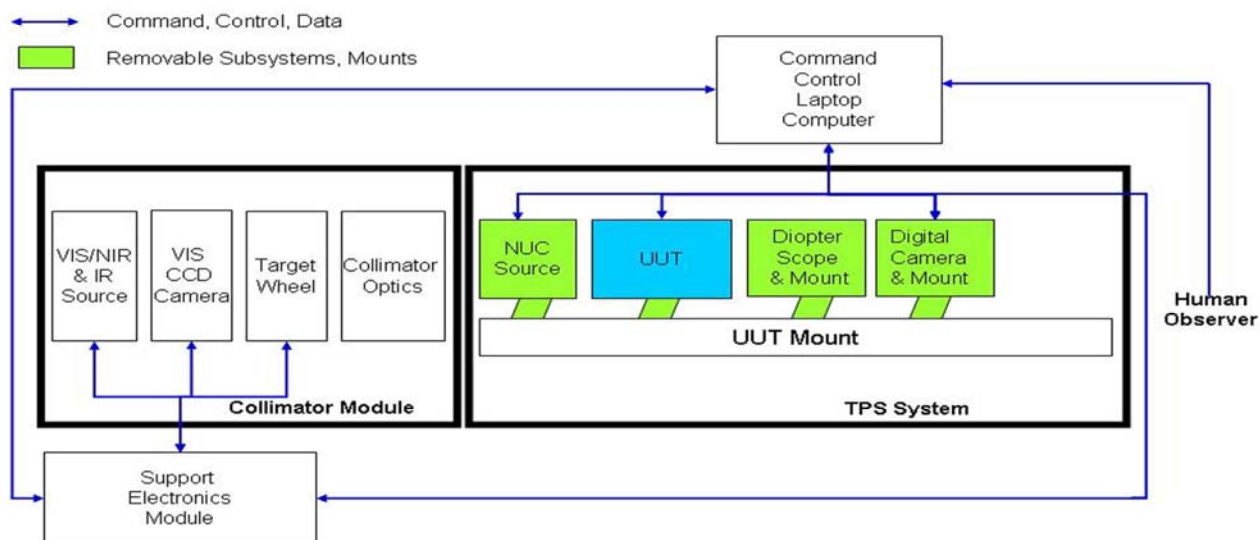


AN/PAS-13C

**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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