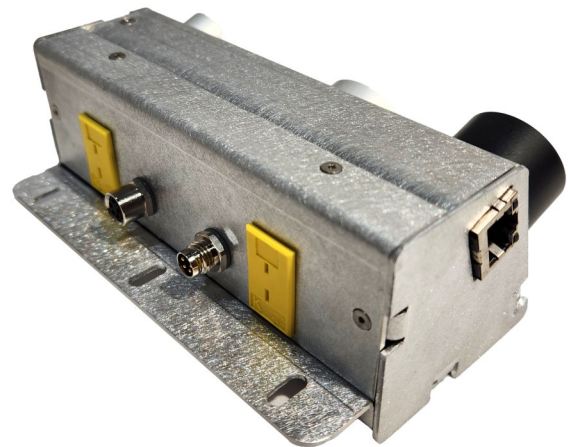


FEATURES

- InGaAs or Silicon Photodiode High-Speed Misalignment Sensing:
 - Integrated IR LED Self-Test
 - Digital Control of Gain and Threshold via Nonvolatile Digital Potentiometers
- Package designed to sit below laser beam in an up looking configuration
- Thermal Camera for Monitoring Optic and Mount Heating
- Two K-Type Thermocouple Inputs for Point Temperature Monitoring
- Two Megapixel Visible Camera with Integrated RGB LED Illumination for Optic Inspection
- Analog 5V Output for HWAS Integration Controlled by thresholded Photodiode or temperature exceeded on Thermocouple or Thermal Camera.
- Simplified TCP Server Ethernet Interface with Power Over Ethernet (PoE)
- Simple GUI Software Example Ready for System Integration



CSS Front



CSS Rear

TYPICAL APPLICATIONS

- High Energy Laser Systems
- High Power Laser Weapons

DESCRIPTION

AOS is pleased to provide a new innovative product to the HEL industry that is a real solution for your system checkout and HWAS needs called the consolidated sensor suite (CSS). The CSS provides the user with real time feedback on how the internal optics are performing during shots using thermal imaging, temperature monitoring, and photodiode detection. It is also capable of daisy chaining multiple units together for a full system coverage plan. The system is powered and controlled solely over ethernet. Call AOS today to learn more about this exciting new product.

Specifications

Parameter	Value
Dimensions (inches)	5.25 L x 2.13 H x 2.25 W
Power	PoE
Mounting	3x 1/4-20 holes
Angle of View	Adjustable (+15-+30 Degrees)
Material	Aluminum
Thermal Camera	FLIR Lepton (80x60)
Thermocouple	2x K-Type
Visible Camera	2x Megapixel
LED	Red/Green/Blue (RGB) LED
Photodiode	InGaAs & Silicon
HWAS Signal	Analog 5V Output
Multiple Unit Interface	Daisy Chained M8 HWAS Ports

