» AWBS

Advanced Weapon Boresight System

The AWBS is an electro optical boresight tool, used for accurately aligning guns to the sighting system. The AWBS utilizes a video camera to allow a single user to align a weapon to a sight from the safety of the gunner's post. The AWBS provides an easy to use, accurate, fast and reliable tool for boresighting, yielding a high first round hit probability.

The ease of use of the AWBS minimizes the time required to perform boresighting and maximizes the convenience and the frequency of the procedure. It's rugged design retains the accuracy of the AWBS over a wide range of environmental conditions. The outstanding features, flexibility and versatility of the AWBS make it the perfect solution for boresighting.

AWBS Analog System
Including: Camera, Barrel Interface, an Electronic Unit and an optional Display

AWBS Digital System
Including: Camera, Barrel Interface and a unified Electronic Unit and Monitor

» FEATURES

- Based on a high resolution CCD camera
- Electronically generated and adjustable cross hair
- Fits various barrel diameters via interchangeable rods
- No focusing required at the operating range
- Insensitive to environmental temperature
- May Interface with existing displays in a vehicle
- Operates under severe field environment
- Lightweight and compact
- Semi Automatic calibration

ISO 9001:2015 Quality Assured Firm

CE

ECI SYSTEMS

» AWBS

Advanced Weapon Boresight System

» OPTIONS

- Rod deflection compensation (7.62 & 12.7 mm rods)
- Ruggedized Monitor , available video formats: PAL/NTSC/ Digital HD (other upon request)
- Digital Format with unified Electronic Unit and Monitor
- Ruggedized battery pack
- Customer may use his own gun interface
- Interface to customer's fire control system without the use of an electronic unit

» SPECIFICATIONS

	AWBS 80	AWBS 120	AWBS 165
Optical Focal length	80 mm	120 mm	165 mm
Optical Aperture	16 mm	16 mm	16 mm
Optical Field of view	3.2° X 2°	2.2° X 1.3°	1.6° X 1°
Boresight accuracy	<0.12 mrad	<0.10 mrad	<0.10 mrad
Operation range	20m to ∞	50m to ∞	50m to ∞
Video Format	Analog NTSC, Analog PAL, Digital HD (H.264 format)		
Reticle pattern	Programmable, user defined		
Power supply	10to 30 VDC		
Cable length	User defined		
Operational temp	-20°C to +50°C		
Environmental	Humidity, Rain, Sand, Salt Fog, Fungus, Sun Radiation, Transportation Vibration		
Storage temperature	-40°C to +70°C		
Deliverables	Barrel Interface, Optical Camera unit, Electronic Unit and Monitor (optional for Analog system), Cables, Transport Case, Power Supply (optional), Rechargeable Battery Unit (optional)		

» CONFIGURATION QUESTIONNAIRE

Barrel Interface	☐ How many Barrel Adapters are needed ? ___ ☐ Diameters: _____ mm	*(Select one or more options)*
Optical Focal length	☐ 80 mm ☐120 mm ☐ 165 mm	*(Select one or more)*
Video Format	☐ Analog NTSC ☐ Analog PAL ☐ Digital HD (incl. EU & Monitor)	*(Select one or more)*
Optional Accessories	☐ Electronic Unit, for Analog System (incl. Cable) ☐ Optional Monitor, for Analog System (incl. Cable) ☐ Optional Rechargeable Battery Unit (incl. Cable)	*(Select one or more options)*
Case	☐ Standard Aluminum Case ☐ Ruggedized Case	*(Select one or more)*

Specifications are subject to change without prior notice Cat. No. 607-56102 January 2021

CI SYSTEMS
www.ci-systems.com

Distribution in the UK & Ireland

Lambda

Characterisation, Measurement & Analysis

Lambda Photometrics Limited
Lambda House Batford Mill
Harpenden Herts AL5 5BZ
United Kingdom
E: info@lambdaphoto.co.uk
W: www.lambdaphoto.co.uk
T: +44 (0)1582 764334
F: +44 (0)1582 712084