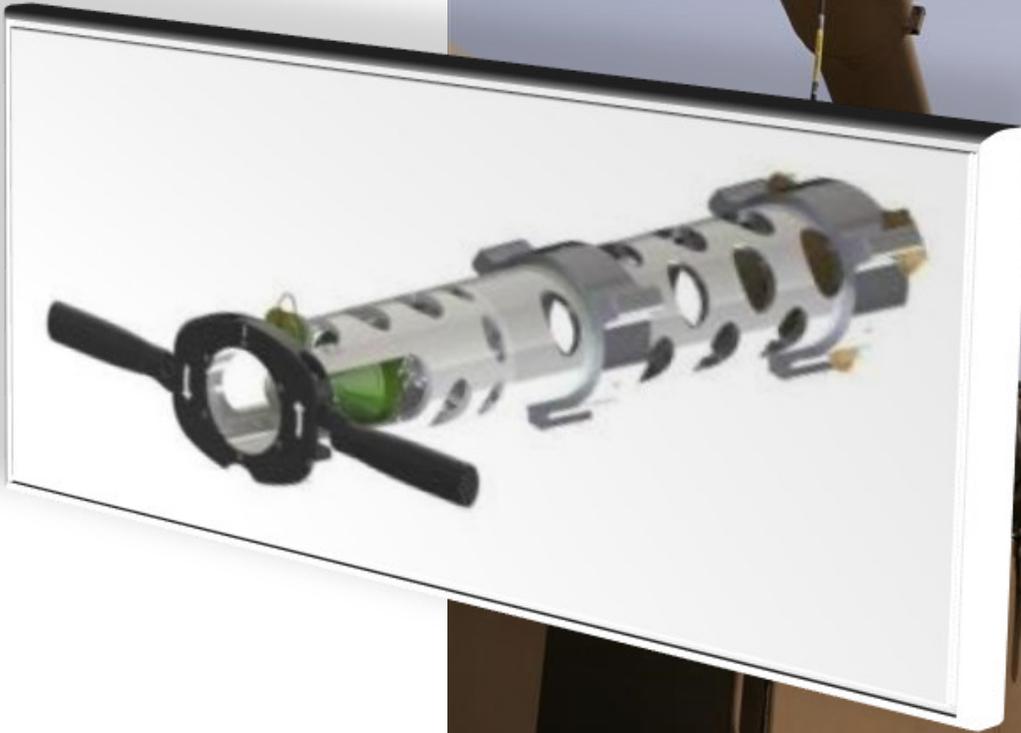


VBS-80

Electro-optical video bore-Sight

Targeting & FCS



Video Bore Sight (VBS) for all barrels. Enabling fast and easy calibration of gun sights, including image on the fire computer main screen or Stand-Alone Video Overlay Generator with screen



Benefits

- Electronically adjustable reticule
- Easy interface to existing FCS displays
- Lightweight and compact design
- Single soldier operation

SENSOPTICS
SENSING YOUR TARGET

Higher hit probability

The combat effectiveness of a weapon system depends substantially on its hit probability. The VBS-80 is a novel Electro-optical bore sight for accurately aligning sights to guns. It is a user-friendly and accurate bore sighting system that improves the hit probability of the gun. Interchangeable precise muzzle rods are available for the following bores (Other diameters optional upon request):

5.5mm, 7.62mm, 12.7mm, 25mm, 30mm, 40mm, 75mm, 90mm, 105mm, 120mm & 155mm

Specifications

Total Accuracy	±0.25 mrad	Socket Diameter for Rod	12+0.018 mm
Repeatability / Retention	±0.25 mrad	Environmental conditions	MIL-STD 810E
Reticule	Crosshair w/10 divisions of 1 mrad each direction	Operational Temperature	-20°C to +50°C
Bore-sighting Range	20-1500 m	Storage Temperature	-40°C to +71°C
F.O.V.	Horizontal 3.4° , Vertical 2.6°	Humidity	95% @ 25°C
Minimum Illumination	0.1lux @F#1.2	Casing	Hard carrying case
Rod Calibers	5.56 mm up to 155 mm	Color of EOU & COU	Green or Orange
Power Source	12VDC (or 24 VDC special)	Anti-Condensation sealing	Nitrogen filling
Resolving Power	30% contrast; 0.3m diameter target; 1000m @ 5km visibility	Video Output	Composite video NTSC or PAL

Single soldier operation

The VBS-80 allows a single soldier to complete the aligning procedure by utilizing a video camera. A rugged design of the VBS-80 retains the accuracy of the system and the self calibration procedure allows the user to validate the accuracy of the bore sight when needed. The electro-optical features of the VBS-80 make it an attractive solution with a lot of advantages over the existing optical bore sighting systems.



SENSOPTICS
SENSING YOUR TARGET

P.O.Box 600 Industrial Park, Yokneam 20692, Israel
Telephone +972 4 9935527 Fax +972 4 9935894
info@sensio-optics.com www.sensio-optics.com