

PRESS RELEASE

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Senso Optics Launches a novel electro-optical boresight system for accurately aligning sights to guns

The VBS-80 is a Muzzle Video Bore-Sight For 7.62mm - 155mm guns, featuring a user-friendly interface that improves the hit probability of the gun.

Yokneam, Israel – August 29, 2013 – Senso Optics, a leader in the design, development and production of innovative thermal imaging technologies and advanced electro-optical solutions for military, paramilitary and security markets both in Israel and around the world, announces the **VBS-80** – a novel electro-optical boresight for accurately aligning sights to guns. It is a user-friendly and accurate boresighting system that improves the hit probability of the gun. The VBS-80 allows a single soldier to complete the aligning procedure by utilizing a video camera.

The combat effectiveness of a weapon system depends substantially on its hit probability. The most accurate aiming occurs when an optical device is aligned to the weapon's bore centerline. **Senso Optics** designs and supplies both advanced laser and video bore sights. The new **VBS-80** Video Boresight System is designed and dedicated for the calibration of Muzzle gun barrels. 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 boresight when needed. The electro-optical features of the **VBS-80** make it an attractive solution with a lot of advantages over the existing optical boresighting systems.

The **VBS-80** contains an Electro-Optical module (EOU). The electro-optical module aligns the optical axis with the mechanical axis. Its optical focus is fixed but can operate from 20 meters to infinity. The socket that receives the caliber rod is fine polish machined with such a precision that the caliber rod retains center accurately when dismounting & re-mounting the EOU module.

"Our **VBS-80** system is a rugged boresighting solution. More customers are selecting **VBS-80** boresight for alignment of their Electro-Optical sensors and/or FCS (Fire-Control-Systems) weapon systems aboard their military vehicles," said **Senso Optics president & CEO Jacob Dagan**. "We designed the VBS-80 Muzzle Video Bore-Sight to be highly adaptive to accommodate unique customer requirements, as well to deliver the ease of use, precision, reliability, and repeatability our warfighters require."

The **VBS-80** feature lightweight and compact design, high resolution CCD camera, electronically adjustable reticule, and easy interface to existing Fire-Control-System (FCS) displays.

For more information about the **VBS-80** please contact info@sensioptics.com or visit our website at <http://www.sensioptics.com> to learn more about our complete product line.

About Senso – Optics:

Senso Optics is a leader in the design, development and production of innovative thermal imaging technologies and advanced electro-optical solutions for military, law enforcement and security markets.

Senso Optics offers a wide range of targeting and visual information solutions for day and night missions. Its products can be easily customized and integrated into a variety of systems or operated as stand-alone units. Product lines include: Multi-sensor sights, fire control systems, hand held and vehicle mounted thermal imaging cameras, thermal upgrade kits, CCD cameras, border and strategic infrastructure monitoring solutions; thermal vision helmets for fire fighters and search & rescue units, as well as, thermal sensors and a wide range of thermal lenses.

The company invests extensively in R&D and in advancing product maturity, while maintaining strict QA and environmental policies.

Senso Optics is committed to remaining at the forefront of thermal vision technology and being a leader in visual information and targeting solutions for the defense, commercial and homeland security (HLS) markets.

<http://www.sensioptics.com>

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Pictures:



VBS-80 for 155mm gun barrel



VBS-80 Muzzle Video Boresight System for different gun barrels



VBS-80 within 155mm gun barrel



VBS-80 rods for different gun barrels