

LDB-V

Video Boresighting Scope





Video harmonization of weapons and fire control system in land, naval and air domains

APPLICATIONS & BENEFITS

The LDB-V is intended to be mounted on a calibrated rod, allowing the user to accurately materialise the barrel axis through a HD video signal.

Its high image quality makes it the thinnest and the most efficient instrument for boresighting accuracy.

Weapons and fire control system harmonization in land, naval and air domains.

KEY FEATURES

• User centric

Intended to reduce human error: The video output allows to integrate the boresighting function directly into the host system (fire control system centralized HMI for instance) and thus to integrate ballistic corrections easily.

Intended to increase operator safety: The integration of the LDB-V harmonization system into the the vehicule host system reduce the need and duration of operations outside the vehicule, increasing the safety of the operators.

Operator guided by the HMI through the boresighting procedure.

• Qualitative

Designed for harsh environments: Salt fog, sand and dust, random vibrations, high and low temperature, humidity, shocks, etc.

Practicality of use: The LDB-V can be used with any calibrated rod from 5.56mm to 155mm. Any specific calibre can be designed and produced by Elynxo.

TECHNICAL CHARACTERISTICS

Optical Performance :

Sensor	CMOS
Alignement accuracy	+/- 250 µrad
Field of view	5,0° (H) x 2,8° (V)
Optical resolution	45µrad

Mechanical Data :

- Weight: >300g (without calibrated rod)
- Dimensions: 131.6mm (L) x 67mm (H)

Electrical Characteristics :

- Video output: HD-SDI 1920 x 1080

Environmental Characteristics :

- Operating temperature: -32°C / +49°C
- Storage temperature: -20°C / +60°C

Included :

- Transport suitcase
- Instruction manual
- Cleaning kit
- Connection cord including video, power supply and control interface

On Request :

- A choice of calibrated rod

