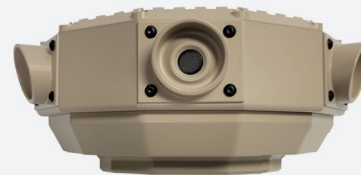


KWESST Battlefield Laser Detection System (BLDS)



Three Levels of Laser Emitter Intelligence

- Spectrum Detection
 - 500nm to 1100nm - Low
 - 950nm to 1500nm - Mid
 - 1000nm to 1700nm - High
- Angle Detection
 - +/- 0.8 degree
- Emitter Signature
 - Signature Recognition of Laser Pulse Train
 - Enables Identification of Emitter Operators via Laser Intelligence



V2 - 180 - front view



V2 - 180 - bottom view

KWESST Battlefield Laser Detection System (BLDS)



BLDSv2 Operational & Technical Differentiators

MODULARITY & FLEXIBILITY

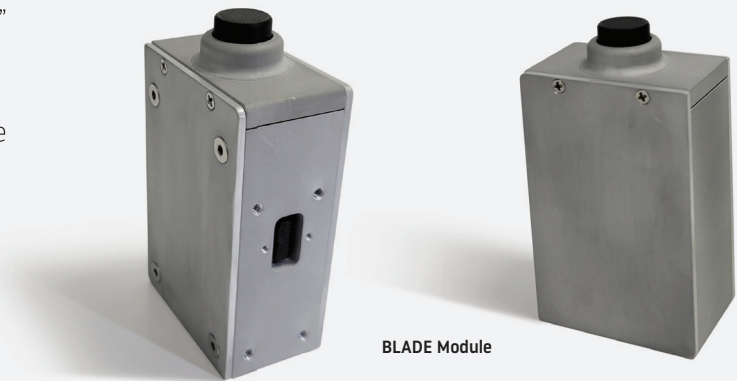
- Ethernet open standard communication protocol.
- Output messages not tied to a specific active protection system.

SURVIVABILITY:

- Proliferating threat environment –weaponized lasers, LRFs, laser target designators/illuminators, LiDAR
- Significant interest increasingly being expressed as a result of adversary actions in Syria, Ukraine, and Baltics theatres of operation.
- Adversaries equipped with latest ISR/lasing/targeting capabilities.
- “Overmatch Sensitivity” allows operators time to take evasive and/or counter-actions.

LETHALITY:

- Identifying source range and location enables targeting decision-action cycle –“Slew to Cue”
- “Fingerprinting” & “Laser Intelligence”– Development of a blue force and adversary spectrum LRF pulse train library is actionable intelligence and Identification Friendly-Foe (IFF) indicator.
- ATAK/BMA connectivity enables sharing of targeting data.



Contact us

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