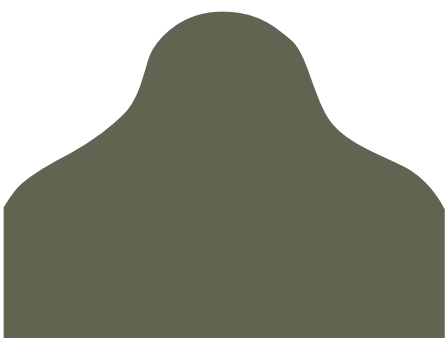


**NEW!**

# OEM SWaP-C-optimized LOMAH for live-fire training systems integration

Multiple options for integration with stationary infantry (SIT) and stationary armor targets (SAT) in Range Control Systems.

Low cost – Optional built-in battery – Embedded processing – 3mm center accuracy – Bullet velocity – Wide detecting window – Compact – Low weight – ITAR free – Serial communication or COTS Wi-Fi.



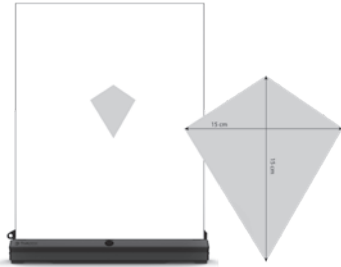
Sensor spacing scalable from 300mm to 3000 mm



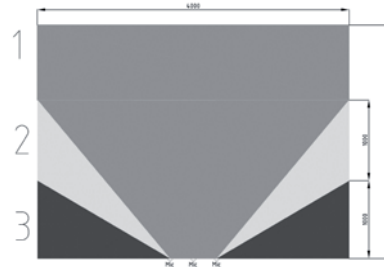
**NEW!**

# OEM SWaP-C-optimized LOMAH for live-fire training systems integration

## Speed capture area for 60cm version



## Detecting window for 60cm sensor spacing:



### Special adaptations available on request:

- Wi-Fi Range Control System
- Wide-angle 2D LOMAH
- 3D LOMAH with shooting angles: Azimuth 30+ degrees & Elevation 10+ degrees

### Accuracy:

- Zone 1: 3-20mm
- Zone 2: →20mm
- Zone 3: Not recommended for shot location purposes

Sensor type	Ultrasonic transducers
Detection principle	Acoustic supersonic shock wave and temperature compensation
Minimum bullet velocity	440 m/s (Mach 1.3)
Calibre range	Any calibre
Accuracy	+/-3mm at center, +/-9mm at extreme edges of detection zone #1 for 600mm model (See illustration)
Detecting Window	As per specifications
Projectile velocity	+/- 1% precision for hits in speed capture area
Shooting angle	As per specifications
Target size	As detecting window or smaller. 65cm wide x 82cm high standard size for integrated target holder on 60cm model
Target face	Any, software configurable
Target face material	Corrugated plastic or cardboard for integrated target holder
Minimum time between shots	30ms = 2000 rounds per minute
Data transmission	RS-232 or Wi-Fi IEEE 802.11 b/g 2.4GHz
Wi-Fi Mode of operation	Infrastructure or access point modes
Wi-Fi access mode	IP address
Wi-Fi range	Configurable with COTS components
Theft protection	Optional: Isolation barrier using WPA2 encryption and Dual SSID AP setup
Scoring software	SDK
Delay from shot to presentation, Wi-Fi option	Optimal network conditions <-3s
Monitor	Range Control System
Sensor spacing on LOMAH bar	Scalable from 300mm to 3000mm
Size	700x120x106mm for 600mm model
Weight	4.0kg for 600mm model with battery
Power options	External feed 12-36VDC/250mA, Battery or 100-230VAC 50-60Hz using power adapter
Battery option	Built in LiFePO4 3.2V 12000mAh
Battery life	Up to 16 hours continuous operation, depending on temperature
Start up	<-10 sec
Environment rating	IP67, or as per specifications
Compliance	CE, FCC class A
Operating temperature	-40 to +70 °C
Temperature sensor:	Integrated as default or external software configurable
Angle compensation	Bullet speed configurable via SDK
Shot timestamping	1 ms resolution
GPS-position of LOMAH bar option	2 cm horizontal accuracy via RTK GNSS
Control port option	9VDC/GND ON/OFF or external voltage sink
Muzzle flash simulator option	Range Control System
Target lighting option	Range Control System
Lane designator option	Range Control System
Access port Power/Communication	Standard: Amphenol connector PT02E-8-4P(072) - VDC/GND/RX/TX

### Documentation:

- Software development kit
- High-level architecture description for SIT and RCS systems integration
- Interface control document
- Serial protocol documentation
- User manual
- Technical manual
- CE-certificate



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