



# Stalker's new XLR LIDAR. Small size. Big Performance.



## X-SERIES LONG RANGE

Small, lightweight, and powerful.  
Superior range, fast target acquisition,  
and solid tracking.



- Small and Lightweight
- Fastest acquisition time
- Industry-leading range and accuracy
- Removable, high capacity, Li-Ion rechargeable battery handle
- Ergonomic, waterproof design
- Speed **and** distance in Heads-Up Display

**Smallest hand-held LIDAR**  
(gun type) on the market today

**Lightest hand-held LIDAR**  
(gun type) on the market today

High powered optics.  
Polymer housing is impact  
resistant and waterproof.



Removable, high capacity  
battery handle - power  
for several shifts.



**Small. Light. Powerful. Stalker.**

**STALKER**<sup>®</sup> Radar | Lidar

*The World Leader in Speed Measurement*



**800-STALKER**

**StalkerRadar.com**

## Simple, intuitive, easy-to-use single button controls.



HUD Light switch - allows operator to increase or decrease with a single button the HUD intensity for proper viewing in all lighting conditions.

MODE switch - allows operator to select speed and range, range only, speed only, or single-shot with a single button.

Audio switch - single-button to increase or decrease the audio tone.

The Stalker X-Series LIDAR are the smallest and lightest hand-held, gun-type lasers on the market today. At a mere 2.3 lbs. including removable/rechargeable battery handle, the X-Series may be lightest of all the hand-helds, but it's no lightweight. The new snap-in Li-Ion battery handle provides ample power to last two or more shifts. Plus, the battery can be expected to last through more than 500 charging cycles.

Target acquisition is under 0.4 seconds. The X-Series Long Range (XLR) is the best choice for targets as far as 4,000 feet away.

## Single-Shot and Continuous Tracking Modes

The X-Series LIDARs have the ability to operate in three modes: single-shot, continuous tracking, or constant trigger-down mode. This allows the operator to select the mode which best suits their needs.

## Weather/Obstruction Mode

The X-Series units have, as standard, a Weather/Obstruction mode which allows the unit to work in rain, snow, blowing dust, fog, as well as through fences, tree branches, etc. This also increases the operating distance when using the X-Series LIDARs through the front windshield of the patrol car.

## Enhanced Tracking

The X-Series LIDARs have the ability to track a moving target through small obstructions such as a pole or parked vehicle.

## Doppler-Type Audio Tracking

Since most laser operators also operate radar, the X-Series LIDARs generate a continuous Doppler-type audio tone which correlates to the target speed. Just like the audio on a police radar, this audio is a substantial aid to understanding and building a target tracking history - providing a better evidentiary case for citations.

## Accessories

### Holster

Heavy gauge steel with padded interior and keyed lock keeps LIDAR safe and secure.



Exclusive speed **and** distance in the Heads-Up Display

## Lowest Cost of Ownership

Stalker products are priced competitively and built to last. But should your X-Series LIDAR ever need repair, you can count on a fair price based on your LIDAR's specific needs, not a one-charge-fixes-all blanket price. That's what we mean when we say that Stalker has the lowest cost of ownership in the industry.



## Specifications

<b>Dimensions:</b>	8.9" Height, 4.7" Length, 4.7" Width (22.6 cm Height, 11.9 cm Length, 11.9 cm Width)
<b>Weight:</b>	Including Battery Handle - 2.3 lbs (1.04 kg)
<b>Housing:</b>	High impact resistant polymer housing
<b>Environmental:</b>	-22° to +140° F, operating -40° to +185° F, non-operating
<b>Humidity Protection:</b>	+99° F, 90% Relative Humidity
<b>Battery Life:</b>	Typically 500+ charge cycles
<b>Battery Charge:</b>	Li-ion battery: Approx. 2 - 3 shifts
<b>Type:</b>	Handheld LIDAR offering Tracking mode, Single-Shot mode, and Time/Distance mode.
<b>Acquisition Time:</b>	Less than 0.4 second
<b>Nominal Range</b>	
<b>LIDAR XLR:</b>	Minimum: - Range mode < 10 (< 3 m) Speed mode 45 feet (113.7 m) Normal: 2500 feet (762 m) approaching Targets Maximum: > 4,000 feet (1200 m)
<b>Range Accuracy:</b>	less than 1 ft., typical +6" (0.15 m)
<b>Speed Measure:</b>	1 mph to 299 mph (2 km/h to 481 km/h, 2 knots to 344 knots)
<b>Speed Accuracy:</b>	± 1 mph (± 1 km/h, ± 1 knots)
<b>Time/Dist. trigger mode:</b>	Separate trigger depressions when target enters and exits speed zone.
<b>Remote Trigger:</b>	Remote trigger signal available through I/O Port.
<b>Target Speed Tone:</b>	Variable audio tone corresponding to target speed.
<b>Target Return Tone:</b>	No tone when beam is off target; tone repetition increases as beam moves into target and return signal quality increases.
<b>Switching Output:</b>	I/O Port signal for operation of external devices (e.g. a camera). Toggles when speed exceeds speed signal setting. (special order only)
<b>Operating Wavelength:</b>	905 ± 10 nm Peak @ 25° C
<b>Eye Safety:</b>	FDA/CDRH CLASS 1M Laser Device (Eyesafe)
<b>Power Output:</b>	50 uW maximum average power. (385 nJ maximum pulse energy) (meets FDA/CDRH regulations)
<b>Pulse Width:</b>	< 30 nsec.
<b>Beam Divergence:</b>	< 3 mrad FWHM. 3 feet x 3 feet @1000 feet (.9 meters x .9 meters @ 304.8 meters)

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