LaserCam®4
Hand-held Digital Video LIDAR

KUSTOM SIGNALS, INC.®

LaserCam 4 delivers irrefutable speed enforcement evidence in a hand-held package. **New** *features available to support tracking history and evidence management.*

AutoTrak™ Keeps it Simple
- Video zooms with target tracking, optimizing target size in each frame
- Target specific speed measurement with video providing irrefutable evidence
- Automatic focus, iris, and zoom supports point and shoot operation

Superior Performance
- Powered by award winning ProLaser® 4
- Superior video target and capture range up to 2.4 km (8,000 ft) - offense recorded before violator sees officer
- Multiple speed limits to enforce different vehicle classes and different approaching or receding target speed limits **New**
- Video and Photo modes for flexible and efficient evidence management
- Certification warning and optional lockout
- Microphone records audible description of target tracking history (option to mute)

Easy to Read Display
- Large 8.1 cm (3.2") high resolution display
- Optically bonded LCD for superior daylight viewability
- Color touchscreen, glove-friendly
- Easy setup with programmable presets
- Video playback and frame image capture

Wireless
- Wi-Fi file transfer **WiFi** **New**
- AES 256 encryption for added security **New**
- Wireless to Bluetooth® printer
- Integrated GPS
- IR emitter for night operation **New**

ProLog Back Office
- Seamless video management solution
- Secure database
- Scalable, network capable

LaserCam 4
Patent Pending

IR Emitter

Auto zoom with target tracking

Superior day & night performance

Powered by ProLaser 4

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Performance

Optimum focus distance:	From 10 m to 500 m (33 ft to 1640 ft)
Speed accuracy:	±1 km/h (±1 mph)
Speed range:	16 km/h to 320 km/h (10 mph to 200 mph)
	0 minimum speed optional
Minimum measurement distance:	3 m (10 ft)
Maximum measurement distance:	Up to 2.4 km (up to 8,000 ft)
	Stationary, reflective target
Target acquisition time:	0.33 seconds
Battery life:	11+ hours (typical)
Eye safety:	FDA/CDRH Class I Eye Safe/IEC 60825-1
Environment:	IP55 certified for water and dust

NHTSA Conforming Product List

Physical Construction

Weight w/battery:	1.7 kg (3 lbs 12 oz)
Size:	17.3 cm X 10.7 cm X 31.2 cm
	(6.8" X 4.2" X 12.3")

Software

Evidence management:	ProLog Lite (included)
	Option: ProLog Standard
	Option: ProLog Standard Client
Languages:	20+ languages supported

Hardware

Video resolution:	720 X 576
Camera lens:	36X Optical zoom auto focus, auto iris progressive scan, image stabilizer
High-Res color display	800 X 480 pixel resolution Optically bonded

Modes of Operation

Photo or video evidence with:
• Automatic: Speed/range with auto fire and thresholds
• Manual: Speed/range with trigger and thresholds
• Range: Range with trigger*
• Photo/Video: Photo/Video only*
* Photo on trigger release

ProLog Back Office Report

Important event data

Tracking history is documented in this section

GPS coordinates and other pertinent information

LaserCam 4 Bundle** includes

• LaserCam 4 with Li polymer rechargeable battery
• USB cable
• Battery charger
• 16 GB video memory (>8 hours record time)
• Compass/Inclinometer/GPS
• ProLog™ Lite back office
• Rugged carry case
• Multiple language support
** May vary by region

Optional Accessories

• Tripod with mounting kit
• 12 VDC corded handle
• Bluetooth® printer
• Video memory upgrade to 32 GB (>17 hrs.)
• Video memory upgrade to 64 GB (>33 hours)
• Shoulder stock
• In-car printer mount
• Motorcycle saddle bag sleeve
• IR illumination kit (with reflective registration plate):
  - Approaching with headlights: up to 100 m (330 ft)
  - Non-reflective registration plates performance will vary
• Long Range Yoke plates up to 400 m (1,310 ft)

Daytime images (left) and night images (right) with IR Emitter

On screen information includes date, time, device serial number, GPS coordinates or location code, record number, user ID, operating mode, camera mode, posted speed limit, capture speed, measured target speed and range with units of measure, and laser diameter at the target. Optionally a unique device certificate may replace the laser diameter field."

Target speed and range graph of complete tracking history

In this example, LaserCam 4 shows tracking history with video beginning at 111 m (~ 365 ft) and target going in excess of 40 km/h (~ 25 mph)

Distance from officer

The driver spots law enforcement and brakes. Tracking shows historical speed ON RECORD

344 ft 105 m   325 ft 99 m   308 ft 94 m   289 ft 88 m   272 ft 83 m   256 ft 78 m   240 ft 73 m

Gap = amount over enforcement threshold

Posted speed limit

Vehicle pulled over

Time