



## THE NEXT GENERATION OF INDISPUTABLE EVIDENCE

The TruCAM is the first all-in-one, laser-based video camera. It collects and stores a complete chain of video evidence for both speeding and tailgating, along with a high-resolution image that identifies vehicle make, model and license plate number. This all gets paired with the precise speed, distance, time, location and operator ID, making all violations captured by the TruCAM practically indisputable. It can even be used to help validate seat belt use, aggressive driving and road rage. The TruCAM is the final word in traffic enforcement evidence. After all, a picture may be worth a thousand words, but a video tells the whole story.

### KEY FEATURES:

- Ensure your evidence is always secure with the tamper-proof data encryption
- Capture evidence even on motorcycles or vehicles with only rear plates
- Detect and defeat laser jammers
- Save and record violations that are within your desired speed limit
- Determine some facial characteristics of the violator (depending upon distances and lighting conditions)

### OPERATIONAL MODES:

- Speed Mode: Generates video, a still image of license plate and all attribute data for a speeding violation
- Auto Mode: Combines automated enforcement with video and license plate imaging for mobile deployment
- Rear Plate Mode: Measures the speed and maintains a chain of video evidence until the rear license plate is captured
- Weather Mode: Captures accurate data in light rain, snow or fog
- Video Only Mode: Log instant video of violations, such as blocking traffic, failure to wear a safety belt and misuse of HOV lanes
- Dual Speed Mode\*: Automatically differentiates between cars and commercial trucks and applies the correct preset speed limit
- Tailgating Mode\*: Measures speed, traveling time and distance between two vehicles for "Following Too Closely" violations

\*Optional TruCAM upgrade

## HARDWARE SPECIFICATIONS

<b>Body:</b>	Composite polycarbonate outer shell, aluminum internal chassis
<b>Weight:</b>	3.3 lbs
<b>Size:</b>	8.27 x 3.86 x 12.47 in
<b>Environment:</b>	NEMA 4/IP55 Water and Dust Resistant
<b>Temperature Range:</b>	14° F to 140° F
<b>Speed Accuracy:</b>	±1 mph
<b>Speed Range:</b>	0 to 200 mph
<b>Distance Accuracy:</b>	± 6 in absolute accuracy
<b>Minimum Measurement Distance:</b>	
Speed Mode:	50 ft
Weather Mode:	200 ft
<b>Maximum Measurement Distance:</b>	4,000 ft
<b>Measurement Time:</b>	0.33 second
<b>Laser Wavelength:</b>	905 nanometers nominal
<b>Beam Divergence:</b>	2.5 milliradians nominal
<b>Eye Safety:</b>	FDA Class 1 (CFR 21) IEC 60825-1
<b>Power:</b>	
Battery Pack:	Lithium-ion polymer rechargeable battery pack (up to 15 hours of cordless operation)
Battery Charger:	
Main Charger:	ac to 240v ac
Automobile Charger:	11v dc to 16v dc
<b>Hardware:</b>	
Capture Data Storage:	Removable SD Card (Supports up to 2 GB and larger)
Display:	2.7 in, 240 x 320 pixel, color, 18 bits per pixel, touch sensitive
Camera Lens:	3.1 megapixel
GPS Receiver:	20 channels
Input/Output (I/O):	RS232, serial communications port RS485, nighttime flash signal, USB 2.0, image data transfer, touch-panel input
<b>Firmware:</b>	
Operating System:	Linux based, with custom device drivers
Anti-Jam:	Automatic laser jammer avoidance
Video Size:	Standard Format: 240 x 180 pixels, Extended Format: 480 x 360 pixels
Video Modes:	LP (Long Play), EP (Extended Play)
Still Image Sizes:	Selectable (1920 x 1440 pixels or 1440 x 1080 pixels)
Data Encryption:	AES-128, U.S. Federal Information Processing Standards, Advanced Encryption, Standard 128 bit

*All specifications are subject to change*