LTI 20/20 TruVision™
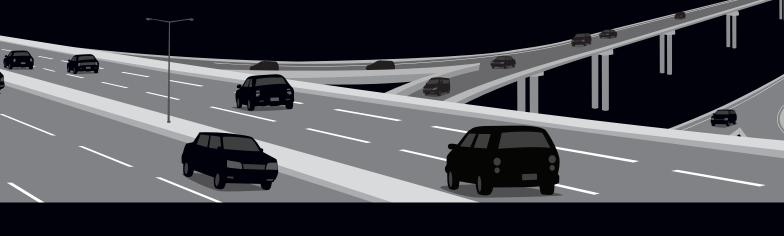# PHOTO/VIDEO LIDAR

+ High-Resolution Video Tracking and Images
+ Easy-to-Learn, Simplified Operation
+ Highly Secure and Encrypted Data
+ Integrates with Back-Office Software

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Measurably Superior®

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The ALL NEW
LTI 20/20 TruVISION™

LTI is the only manufacturer that has more than 6,000 photo/video lasers being actively used today in over 90 countries. No other laser can match LTI's superior engineering, overall functionality or high-level of customer satisfaction and support. Welcome to the next generation of video/photo enforcement: TruVISION.

High-Resolution Photo/Video

- AdapTec™ auto adjusts the focus, iris and shutter speed for you
- Collect crystal-clear images up to +/- 450 feet away
- Quickly view license plate details with multiple zooming levels

Large 3.7 Transflective LCD

- Clearly see what you are doing even under bright sunlight
- Easily learn how to navigate with the color-coded, graphical icons
- Use the touch screen or operate with gloves using color-coded buttons

Ultimate Versatility

- Record dangerous driving behaviors before they notice you with extended video tracking and speed capture range
- Be mobile and enforce speeds where it matters the most, such as school zones, construction zones or large sporting events
- Mount it on a tripod and operate hands-free in auto/continuous mode, while still witnessing every violation
- Enforce speeds of motorcycles or vehicles without a front license plate
- Combat laser jammers with built-in detection algorithms

AUTO MODE
Automatically captures images within a fixed distance, such as school and construction zones.

REAR PLATE MODE
Measure the speed and maintain a chain of evidence until the rear license plate is captured.

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Enforce More than Just Speeding

- Following Too Closely (Tailgating)*
- Aggressive Driving
- Obstructing Traffic
- Misuse of HOV Lanes
- Distracted Driving
- Seat Belt Violations
- Driver Behavior Studies

LTI 20/20 TruVISION™

Secure Data Encryption

- Be confident if ever challenged in court with the advanced 128-bit, tamper-proof data
- Unsurpassed validation: Passes fixed-distance, zero-velocity test while in speed mode

Back-Office Integration

- Transfer all your field data to the office with the removable SD card
- Integrate with Automatic Number Plate Recognition (ANPR)
- Transmit violation data and image to a wireless printer using LTI's free tPrint app
- Multiple communication formats: SD card or upgrade to WiFi

Reduce Traffic Fatalities

- Around the world, implementing video traffic enforcement technology has proven to:
    - Decrease average speeds
    - Reduce traffic-related fatalities
    - Change dangerous driving behaviors
    - Improve overall roadway safety
- Launch a public awareness campaign by leveraging this new technology through local media outlets

* Tailgating Enforcement using DBC technology is an optional upgrade.

TruVIEWER
Desktop software for viewing encrypted files. Enables post-processing and footage archival.

TAILGATING (OPTIONAL)
Measure the speed, traveling time and distance between two vehicles.

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Specifications
(Subject to Change)

LTI 20/20 TruVISION™

Performance	Devices Supported	4" Woosim Wi-Fi Printer
	Maximum Range	4,000 ft
	Minimum Range	Speed Mode: 50 ft; Weather Mode: 200 ft; Continuous Mode: 50 ft
	Range Accuracy	± 6 in absolute accuracy
	Display Resolution	Speed: ± 1 mph; Range: 0.1 ft unit of measure
	Speed Range	0 to 320 km/h (approaching and departing) 0 to 200 mph (approaching and departing)
	Speed Accuracy	± 1 mph
	Optimum Camera Operating Range	100 - 490 feet
	Opt Focus Distance	330 feet
	Communication	RS232 serial communications port R#485, nighttime flash signal WiFi: IEEE 802.11 a/b/g/n Ethernet: 100M/1G USB 5 v dc external power 6 button inputs
	Measurement Time	0.33 sec
Power	Battery	7.4 v dc, Lithium-ion Polymer rechargeable battery pack, short circuit and overcharge protected, providing up to 8 hours of cordless operation
	Input Voltages	Main Charger: 110V ac to 240V ac; 50/60 Hz input Automobile Charger: 11 v dc to 16 v dc, cigarette plug connector with 3 Amp fuse
Physical & Environmental	Construction	Composite polycarbonate outer shell; aluminum internal chassis
	Dimensions (L x W x H)	9.25 x 4.6 x 12.47 in
	Weight	3.5 lb
	Ratings	NEMA 4 / IP 55 water- and dust-resistant
	Operating Temperature	14° to 140° F
Hardware	Capture Data Storage	Removable SD Card: Up to 32 GB
	Display	9.4 cm, 480 x 640 pixel, color 24 bits per pixel (bpp), touch sensitive
	Camera Sensor	5 megapixel (2592 x 1944)
	Lens	Custom lens (330 mm equivalent), auto-focus, auto-iris, auto-shutter speed, auto-day/night filter
	GPS Receiver	22 tracking, 66 acquisition
Firmware	Operating System	Linux with custom device drivers
	Video and Still Images Sizes	Full Image: 2592 x 1944; After cropping to focus on the area of interest: 1280 x 960
	Video Modes	The amount of video captured prior to speed measurement is 1.2 seconds. The frame rate for this 1.2 seconds adn the track storage after the speed measurement are determined by the operator
	Data Encryption	AES-128, U.S. Federal Information Processing Standards, Advanced Encryption, Standard 128 Bit