



# LTI 20/20 TRUCAM® II

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: TruCAM II.



## High-Resolution Photo/Video

- Collect crystal-clear images up to  $\pm 250$  m away\*\*
- Quickly view license plate details with multiple zooming levels
- AdapTec™ auto adjusts the focus, iris, and shutter speed for you

## Large 9.4 cm 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 violations sooner with extended video tracking and speed capture range
- Set two speed limits to enforce private and commercial vehicles at the same time
- Enforce speeds of motorcycles or vehicles without a front license plate\*\*
- Combat laser jammers with built-in detection algorithms
- Video only mode for non speeding offences:
  - Aggressive Driving
  - Obstructing Traffic
  - Distracted Driving
  - Seat Belt Violations



\*Note: Actual application images. TruCAM II and ShareView images are not simulated

\*\*License plate styles can affect the readability of license plate numbers at longer ranges



### SPEED MODE

Collect speed measurements and all pertinent data for oncoming or departing vehicles in dense traffic\*



### AUTO MODE

Automatically capture images within a fixed distance, such as school and construction zones\*



### DUAL-SPEED MODE

Enforce multiple speed limits within the same highway, and distinguish between commercial and private vehicles\*

## Specifications

(Subject to change without notice)

## LTI 20/20 TruCAM® II

Performance	Optimum Camera Operating Range	50 - 220 m (For UK Sized License Plates)		
	Speed Accuracy	± 1 mph		
	Speed Range	0 mph to 200 mph approaching and departing		
	Range Accuracy	± 15 cm (± 6 inches) absolute accuracy		
	Display Resolution	Speed: ± 1 mph	Distance: ± 0.1 meter	
	Minimum Measurement Distance	Speed Mode: 20 meters	Weather Mode: 61 m	
	Maximum Measurement Distance	750 m (UK HOTA Regulations), for Non Enforcement up to 1200m		
	Measurement Time	0.33 sec		
	Maximum Laser Sampling	Up to 3 measurements per second		
	Units of Measure	Speed: miles per hour	Distance: meters	
Laser	Laser Power	90 microwatts nominal		
	Laser Wavelength	905 nanometers nominal		
	Beam Divergence	2.5 milliradians nominal		
	Eye Safety	FDA Class 1 (CFR 21)	IEC 60825-1	
Physical Construction	Body	Composite polycarbonate outer shell; aluminum internal chassis		
	Weight	1.6 kg including battery pack		
	Size	23.1 cm x 11.7 cm x 32 cm		
	Environment	NEMA4 / IP55 water and dust-resistant		
	Operating Temperature	Operating: -10° to +60° C	Charging: 0° to +45° C	Storage: -20° to +60° C
Hardware	Processor	Computer: Freescale ARM Cortex A9 i.MX5 dual core; 1 GHz Laser Core: NXP LPC2136 40 MHZ		
	System Memory	1GB (DDR3 RAM); 8 GB eMMC		
	Capture Data Storage	Removable SD Card: Up to 32 GB	SD File System formats: VFAT	Linux EXT3, EXT4
	Display	9.4 cm, 480 x 640 pixel, 24-bits per pixel (bpp), touch-sensitive		
	Camera Sensor	5 megapixel (2592 x 1944)		
	Camera Lens	Custom lens, auto-focus, auto-iris, auto-shutter speed, auto-day/night filter		
	GPS Receiver	Resolution: 3 meters autonomous; 2.5 meters SBAS; Receiver: 22 tracking, 66 acquisition; For UK HOTA Versions, GPS is used for Time Sync only		
	Real-Time Clock	CR1632 backup battery: ± 20 PPM 5-year		
	Input/Output (I/O)	RS232, serial communications port; RS485, nighttime ash signal; Wi-Fi: IEEE 802.11 a/b/g/n; Ethernet: 100M/1G; USB: 5 v dc external power; 6 button inputs		
Software	Operating System	Linux with custom device drivers		
	Anti-Jam	Automatic laser jammer avoidance		
	Video and Still Image Sizes	Full image: 2592 x 1944; after cropping to focus on the area of interest: 1280 x 960		
	Data Encryption	RSA 2048-bit and AES 128-bit with digital signature for secure electronic law enforcement record		
Power	Battery Pack	7.4V DC, Lithium-ion Polymer rechargeable battery pack, short circuit and overcharge protected, providing up to 8 hours of cordless operation		
	Battery Charger	Main Charger: 110V AC to 240V AC; 50/60 Hz input Automobile Charger: 11V DC to 16V DC, cigarette plug connector with 3 Amp fuse		



Laser Tech UK Ltd  
B2 Harris Road,  
Warwick  
CV34 5JU  
United Kingdom

sales@lتيuk.com

+44(0)1926 298686