

# PICODIGICAM<sup>®</sup> LASER PHOTO/VIDEO

- + Nighttime and Tunnel Enforcement
- + Remote Monitoring
- + Field to Office Data Transfer
- + Optical Character Recognition



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 **LASER<sup>™</sup>  
TECHNOLOGY**  
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## Photo Lidar Speed Enforcement

The PicoDigiCam® (PDC) is a complete photo and video enforcement system that sets the bar for capturing vivid images at longer ranges.

### PicoDigiCam® Features

- Captures GPS data for additional evidence of your location
- Transfers data through Ethernet cable for remote monitoring and data access at a central office
- Adapts to any C-mount manual focus lens for even better results at longer ranges



## Nighttime and Tunnel Enforcement

LTI's TruFlash can be set up for photo lidar speed enforcement in dark conditions.

### TruFlash and IR Link Features

- Produces clear, illuminated and fully recognizable images of license plates at night or in tunnels
- Blocks headlight glare with optional lens filter to capture the best possible images
- Triggers flash wirelessly with IR Links for a cleaner setup and quicker deployment



#### SPEED MODE

Collect speed measurements and all pertinent data for oncoming or departing vehicles within dense traffic.



#### REAR PLATE MODE

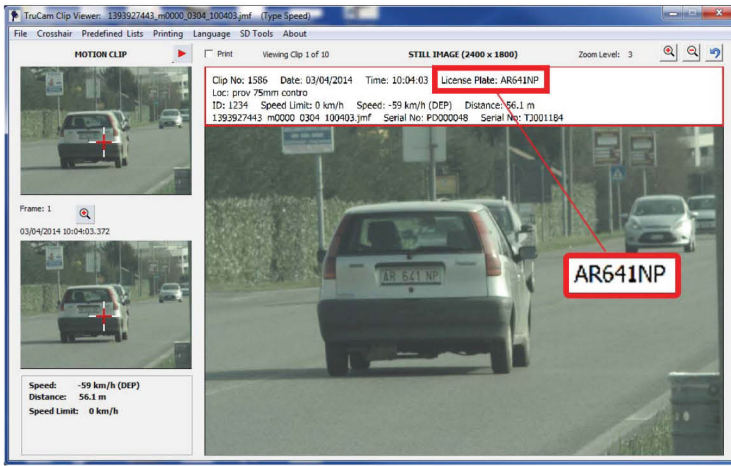
Capture license plate images of a vehicle without a front plate, including motorcycles.



#### DUAL SPEED MODE

Enforce multiple speed limits within the same highway and distinguish between commercial and private vehicles.





## Optical Character Recognition

Identifies the vehicle and owner so you can determine a suitable response to the situation before pulling the driver over.

- Recognizes license plate characters and automatically creates a usable data field for immediate processing
- Integrates into countrywide Average Speed Systems
- Achieves high hit rates, even at extreme speeds

## Remote Monitoring and File Transfer

ShareView is intuitive software designed for remote monitoring and more data transfer options.

- Instantaneously sends data to a PC or tablet for remote viewing on a much larger display
- Structures real-time data to be available to a central office or down the road
- Makes user training easier for larger groups



### NIGHT MODE

Allows for enforcement at night or within tunnels by triggering a remote flash.



### AUTO MODE

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



### OCR SOFTWARE

Utilize Optical Character Recognition (OCR) software that is specific to your country's licence plate format.

## Specifications

		PicoDigiCam®
Performance	Devices Supported	TruSpeed® S, Se, Sx, Sxb, TruSpeed®, UltraLyte
	Image Capture Range	Typical: 164 to 656 ft (50 to 200 m) Optimum: 230 to 394 ft (70 to 120 m)
	Communication	Two (2) RS232 Serial Ports, One (1) RS422 Flash Trigger, One (1) IEEE 803 Ethernet
	Measurement Time	Maximum: Up to 3 Low-Resolution Measurements per Second Typical: Up to 1 Measurement per Second
Power	Battery	7.2V 2.6AH Lithium Ion Battery (Up to 15 hours of cordless operation)
	Input Voltages	Mains (Serial and USB): 110V ac to 240V ac Cigarette Lighter: 11V dc to 16V dc with 3A fuse
Physical & Environmental	Construction	Lightweight Aluminum Outer Shell
	Dimensions (L x W x H)	Body: 4.5 x 3.5 x 4.5 in (11,43 x 8,89 x 11,43 cm) Lens: 3.6 x 2.6 in Diameter (9,41 x 6,6 cm)
	Weight	With Battery: 3.5 lbs (1,6 kg) Without Battery: 3.09 lbs (1,4 kg)
	Ratings	NEMA 4 IP 55 water- and dust-resistant
	Operating Temperature	-4 to 140° F (-20 to 60° C)
Hardware	Processor	T1 AM3517 500MHz
	System Memory	256 MB DDR2 RAM
	Removable Storage	SD or SDHC Card (Up to 32 GB)
	Display	3.5 in (8,9 cm), 240 x 320 Pixels, Color, 18 Bits per Pixel (bpp) Touch Screen
	Camera Sensor	5 Megapixel (2592 x 1944)
	Lens	Included: 75 mm, C-Mount Manual Focus Optional: Zoom Lens Capability
	GPS Receiver	SRiF III 20 Channels; Resolution of 5 m U.S. and Europe; 10 m rest of world
Firmware	Operating System	Software Operating on a Custom Linux Core
	Video Size	Standard Format: 240 x 180 Pixels
	Video Modes	LP (Long Play), EP (Extended Play)
	Still Image Sizes	Selectable (1200 x 900 Pixels, 2400 x 1800 Pixels)
	Data Encryption	AES-128, U.S. Federal Information Processing Standards, Advanced Encryption, Standard 128 Bit

## TruFlash Specs:

Weight: 22 lbs (9.9 kg)

Dimensions: 14.75 x 9 x 7.25 in  
(38 x 23 x 18 cm)

Infrared Illumination Range:  
33 to 131 ft (10 to 40 m)

Strobe Light:  
200 J (typical) per pulse

Recycle Time:  
1 second (approximate)

Power:  
Self-contained 2x 12V 6 amp-  
hour battery allowing for  
approximately 1,200 photos on a  
single charge

Construction:  
Aluminum and Electrolytic  
Galvanized Iron (EGI)

Environmental:  
NEMA 4, IP 53 water- and dust-  
resistant

Operational Temperature Range:  
14 to 140° F (-10 to 60° C)

Storage Temperature Range:  
-31 to 158° F (-35 to 70° C)