

CAPTURING OVER-SPEEDING BODIES



**PROVIDING SPEED
SAFETY SOLUTIONS**





ABOUT THE COMPANY

Beams Trading was established in 1999 to trade in traffic enforcement and security system. Beams trading is one of alhashemi group trade in printing press equipments in middle east and GCC. To start with , beams built up a network of manufacturer and suppliers for traffic safety and police equipments to provide and support the customers. Beams continue to maintain and improve this networks up to this day. Beams acquire the exclusive agent from sensys traffic - Sweden and laser technology - USA. In the 2007, capitalizing on business success to date,

and the large scale expansion of road construction in Dubai enabled the company to cater for and sell directly to this market. The growth of operations to the Dubai office included the creation of team of engineers, a warranty service, spare part warehouse and increased stock levels. Beams in one of the top traffic safety and enforcement suppliers in UAE, where we maintain and manage up to 630 enforcementt systems iin Dubai, Abu Dhabi & Ajman.

MISSION

Mainly we look forward to save life on roads to become preferred traffic enforcement and security equipment provider in the local and regional Market, consistently delivering quality products and after sales services to customers.

PRODUCT RANGE

Beams equipments are most notable for efficient performance in extreme climate conditions. Since 1999 Beams supply Several types and different brands of high quality traffic enforcement systems, in addition to customized software in order to meet customers' requirements.

SERVICES

Beams Services Promise – We assure our customers that our effort will always be directed towards offering uncompromising product quality service and support. Beams assure that its effort will always be directed towards offering uncompromising product quality service and support.

Beams customers are provided with following services and support:

- After sales warranty and Services.
- Maintenance Services.
- Proposal and design.

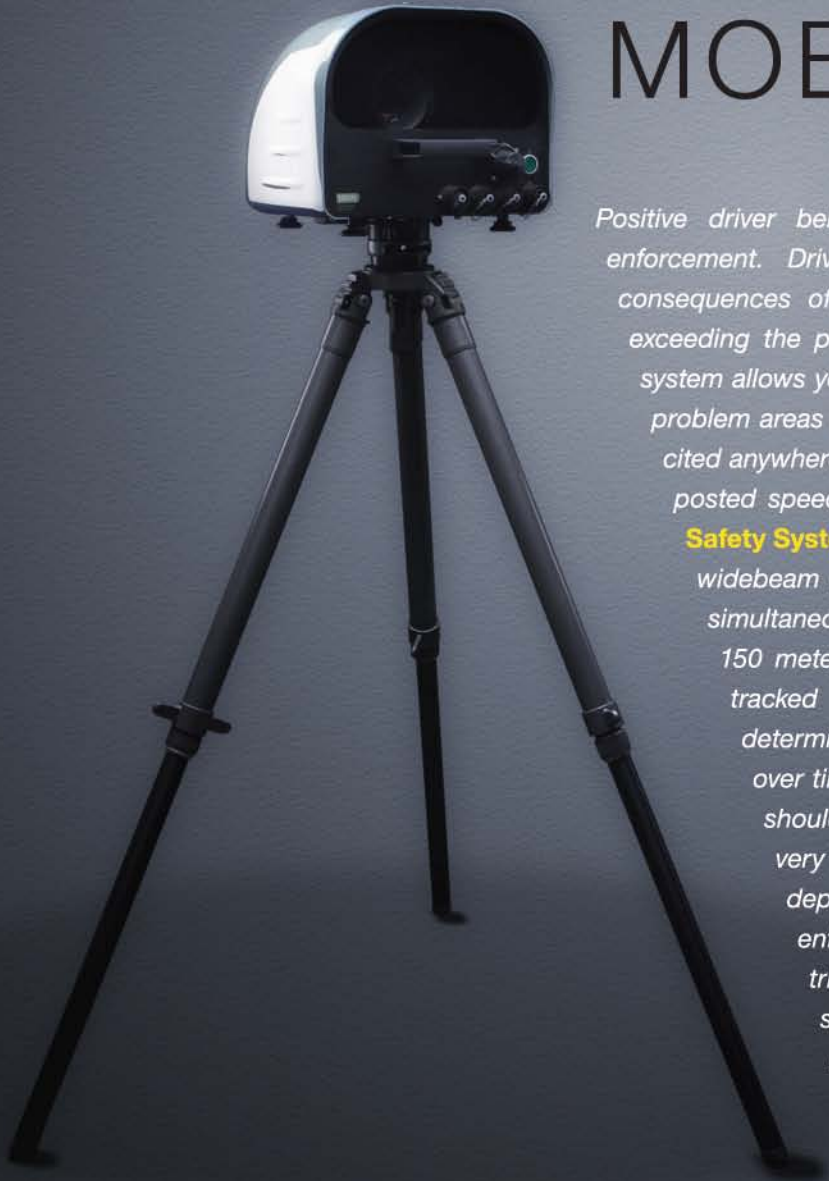


MSSS II

MOBILE SPEED

SAFETY SYSTEM

Positive driver behavior change results from consistent, reliable enforcement. Drivers slow down when they believe that the consequences of being caught speeding outweigh the benefits exceeding the posted speed limit. A mobile speed enforcement system allows your community to enforce speed limits in targeted problem areas and to create the impression that a driver can be cited anywhere in the community if he dangerously exceeds the posted speed limits. **The SENSYS MSSS II (Mobile Speed Safety System)** is based on Sensys' multi-tracking radar. This widebeam radar unit, capable of tracking multiple vehicles simultaneously, uses a lobe that oversees several lanes up to 150 meters deep. Vehicles moving within that cone are tracked and their movements analysed. Speed is determined through Doppler and checked by distance over time. At the defined report line a picture is taken should there be a speed violation. The **MSSS II** is a very compact self contained unit that can be deployed from the dash or rear window of an enforcement vehicle or operated remotely using a tripod on the side of the road. Setting up the system takes just a couple of minutes. If required, a customized configuration may be made on site via a computer. **The Sensys MSSS II** is a true point-and shoot device and can function unattended.



FLEXIBILITY

The small size of the unit enables unobtrusive operation from a patrol car's dashboard or rear window. The small, ruggedly designed unit can also be placed inconspicuously on a tripod for remote operation. Virtually any road conditions (hills, curves, etc.) can be monitored with simple roadside custom configuration using a computer.

The **MSSS II** provides law enforcement officers with a world class, light weight, easy set-up and flexible enforcement device that provides years of trouble free operation.

OPTIONS

Sensys offers an impressive range of options for all systems. The option below are the most common one for the MSSS II system. Visit our website for a complete list of options.



INFRA-RED

The Infra-red camera uses an invisible flash so that it will not be seen when a photo is taken. This may be convenient for example in residential areas where one does not wish to disturb residents with a white visible flash.

FEATURES & BENEFITS

This is a selection of the most important features and benefits for the system.

- » High-resolution digital images.
- » Continuous speed verification by applying two independent methods.
- » Number plate and/or driver identification.
- » Provides information about time, date, location, vehicle speed, speed limit.
- » Non-intrusive technology, no devices buried in the road surface.
- » Uses Sensys' unique multi-tracking radar.
- » Tracks and measures each vehicle more than 20 times per second.
- » Triggers at an adjustable speed limit and report line.



HIGH QUALITY DIGITAL IMAGES

SENSYS Traffic can help you drive behavioral change with measurable effects. Sensys is the provider of intelligent solutions for traffic safety and traffic informatics that:

- » Has a proven contribution to traffic safety improvements in the countries that now have the lowest fatality rates,
- » Delivers a range of cost-effective products, based on non-intrusive sensors,
- » Assures customer support throughout the product life cycle,
- » Offers 100% legal security for enforcement products – we have never lost an appeal against a violation due to technical reasons,

Unlike others, Sensys Traffic's portfolio is based on proprietary multi-tracking radar technology development, Unlike others, Sensys Traffic can offer Swedish Vision Zero knowledge and expertise to formulate and implement your strategies and to measure its effects.



SSS DROPLET SAFETY SYSTEM

Speeding kills thousands every day throughout the world. It is known that a decrease of the average speed by 10 km/h will decrease the fatalities on certain roads by around 30%. Reducing speed contributes to saving society's resources and reducing human suffering.

The **SENSYS® SSS (Speed Safety System)** is based on the multi-tracking radar RS240. This

wide-beam radar unit, use a radar lobe that overseas several lanes up to 150 m deep. Vehicles moving within the radar lobe are tracked and their movements are analyzed. Speed is determined through **DOPPLER** and checked by continuous secondary speed verification providing the highest level of legal security. At the defined report line a picture is taken in the event of a speed violation.



FLEXIBILITY

For stationary use, the system is installed in a cabinet mounted on a pole. The cabinets are made for all weather conditions and can be delivered with heaters and fans or air conditioning.

All units in the system are modular and rack-mounted for easy inter-changeability.



OPTIONS

Sensys offers an impressive range of options for all systems. The options below are the most common ones for the SSS system. Visit our website for a complete list of options.



ALARAM

The alarm becomes activated should someone try to sabotage or break into the cabinet. Units that may be connected to the alarm system include door switches, tilt and vibration sensor.



VIDEO

A video sequence is added to the evidence package as supplementary evidence to the high-resolution still image.



SERVICES

Sensys can provide Traffic Safety Expertise, enforcement strategies, project management, installation, training etc.



RED-LIGHT ENFORCEMENT

The unique feature of Sensys' radar of being able to discern distance is used to detect a vehicle passing the stop bar during the red-light phase.



PROPERTIES

This is a selection of the most important properties for the system. Visit our website for a complete list of properties.

- » High-resolution digital images
- » Continuous speed verification by applying two independent methods
- » Number plate and/or driver identification
- » Secure remote communication and setup
- » Provides information about time, date, location, vehicle speed, speed limit
- » Supports front or rear photography
- » Easy non-intrusive technology, no devices buried in the road surface
- » Uses Sensys' unique multi-tracking radar
- » Tracks and measures each vehicle 21 times per second
- » Triggers at an adjustable speed limit and report line
- » Possible to take one or multiple images of the offence
- » Approved according to OIML R91

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SSS SPEED SAFETY SYSTEM

Most governments all over the world prioritise the improvement of road safety. One of the available tools for influencing the behaviour of road-users is traffic law enforcement – and in particular speed enforcement.

The **Sensys Speed Safety System** is based on Sensys' multi-tracking radar. This wide-beam radar unit, capable of tracking multiple vehicles simultaneously, uses a lobe that oversees several lanes up to 150 meters deep. Vehicles moving within that cone are tracked and their movements

analysed. Speed is determined through Doppler and checked by distance over time. At the defined report line a picture is taken should there be a speed violation.

Numerous reports demonstrate that applying speed enforcement contributes to road safety. The number of casualties is reduced.

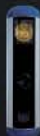
In Sweden, the **Sensys Speed Safety System** has been introduced to the public as the new Life Saver, and where statistics also show a positive effect on road safety.



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VIDEO

A video sequence is added to the evidence package as supplementary evidence to the high-resolution still image.



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RED-LIGHT DROPLET **RLSS** SAFETY SYSTEM

Red-light jumping creates considerable risk for collisions and it is also a huge risk to the pedestrians.

SENSYS® RLSS (Red Light Safety System) relies on the advanced multi-tracking radar RS240 that controls a section of road measuring 150 metres. In our **Red Light Safety System (RLSS)**, the operator configures two report lines displaying two pictures: the first showing vehicle behind the stop bar while the traffic light is red and the second shows the violating vehicle past the stop bar and intruding into the intersection. The second picture may be taken either by the

same camera from the rear, or by a second camera located across the intersection. The latter option allows for driver identification should such be required by law. The system also captures a high resolution image of the vehicle's license plate. To create 100% picture identification, Sensys also offers a full motion video clip of the violation. This complete evidence package is practically impossible to refuse in court. Sensys believes that the most important requirement for an automatic traffic enforcement systems is the Unconditional Guarantee that not one single driver who did not commit the moving violation is ever accused.



FLEXIBILITY

The systems are installed in cabinets, mounted on a pole. The cabinets are made for all weather conditions and can be delivered with heaters and fans or air conditioning.

All units in the system are modular and rack-mounted for easy inter-changeability.



OPTIONS

Sensys offers an impressive range of options for all systems. The options below are the most common ones for the RL55 system. Visit our website for a complete list of options.



ALARAM

The alarm becomes activated should someone try to sabotage or break into the cabinet. Units that may be connected to the alarm system include door switches, tilt and vibration sensor.



VIDEO

A video sequence is added to the evidence package as supplementary evidence to the high-resolution still image.



SERVICES

Sensys can provide Traffic Safety Expertise, enforcement strategies, project management, installation, training etc.



SPEED ENFORCEMENT

Vehicles moving within the radar lobe are tracked and the speed is determined through Doppler and checked by distance over time. At the defined report line a picture is taken should there be a speed violation.



PROPERTIES

This is a selection of the most important properties for the system. Visit our website for a complete list of properties.

- » High-resolution digital images
- » Continuous speed verification by applying two independent methods
- » Number plate identification
- » Secure remote communication and setup
- » Two images taken for evidence recording of vehicle at red light before stop bar and after stop bar
- » Provides information about time, date, location, speed, speed limit, red-light time, grace time
- » Rear or front photography
- » Non-intrusive technology, no devices buried in the road surface
- » Uses Sensys' unique multi-tracking radar
- » Tracks and measures each vehicle 21 times per second
- » Triggers at an adjustable speed limit and report line
- » Single or dual camera post option available
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RED-LIGHT RLSS SAFETY SYSTEM

Red-light jumping is one of the most critical traffic violations. The fact that a traffic light is red usually implies that the lights for the crossing traffic are green – and the risk for collision is considerable. Traffic lights are normally positioned at heavily trafficked intersections and where ordinary traffic signs or right-of-way rules are not sufficient to ensure fluid traffic flow. There is therefore a statistically significant chance of driving into another road-user should a red light be neglected.

The unique feature of **Sensys' radar** of being able to discern distance is used to detect a vehicle passing the stop bar during the red-light phase.

While a vehicle approaches the stop bar, its speed behaviour is analysed. If it is expected that a vehicle will not (be able to) stop before the stop bar, the system will take a picture of the vehicle just before the stop bar, showing its position, the red light and the license plate.

If the radar detects that a vehicle is indeed passing the stop bar during the red-light phase, the system will take a second picture after the vehicle has fully passed the stop bar. The second picture may be taken either by the same camera from the rear, or by a second camera located across the intersection. The latter option allows for driver identification should such be required by law.



FLEXIBILITY

The systems are installed in cabinets, mounted on a pole. The cabinets are made for all weather conditions and can be delivered with heaters and fans or air conditioning.

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VIDEO

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TRUCAM[®] Video Laser

the next generation of indisputable evidence

The TruCAM is the first all-in-one, laser-based video speed 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)

TruViewer Software for Archiving & Post-Processing

Simply remove the SD card from the TruCAM and transfer all your collected field data onto your PC. TruViewer allows you to easily review, print and store video footage, high-resolution pictures of license plates and the associated violation data.



TRUCAM DETAILS

Easily accessible camera lens for quick focusing and iris levels



Convenient stylus holder for operating the touch-screen interface



Built-in SD card slot for quick access to your violations



Color-coded buttons matching the touch-screen interface for alternative user operation

Superior optics for long-range targeting



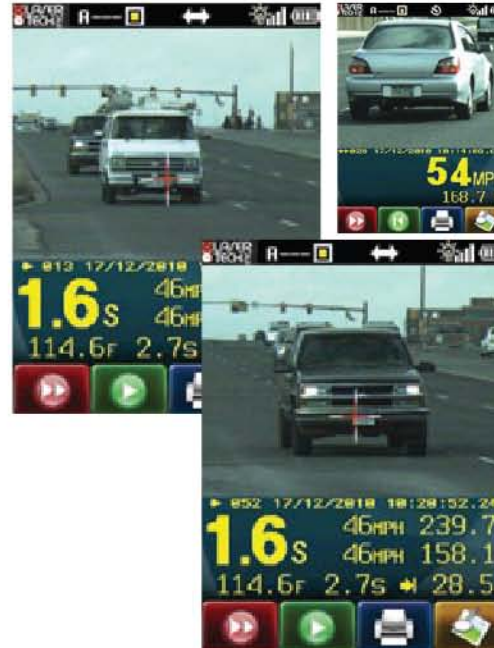
HARDWARE SPECIFICATIONS

Body:	Composite polycarbonate outer shell, aluminum internal chassis
Weight:	1.50 kg (3.3 lb)
Size:	21.0 x 9.8 x 31.7 cm (8.27 x 3.86 x 12.47 in)
Environment:	NEMA 4/IP55 water- and dust-Resistant
Temperature Range:	-10° C to +60° C (14° F to 140° F)
Speed Accuracy:	± 2 km/h (± 1 mph)
Speed Range:	0 km/h to 320 km/h (0 mph to 200 mph)
Distance Accuracy:	±15 cm (± 6 in) absolute accuracy
MINIMUM MEASUREMENT DISTANCE:	
Speed Mode:	15.25 m (50 ft)
Weather Mode:	61 m (200 ft)
MAXIMUM MEASUREMENT	
Distance:	1,200 m (4,000 ft)
Measurement Time:	0.33 second
Laser Wavelength:	905 nanometers nominal
Beam Divergence:	2.5 milliradians nominal
Eye Safety:	FDA Class 1 (CFR 21) IEC 60825-1
POWER:	
Battery Pack:	Lithium-ion polymer rechargeable battery pack (up to 15 hours of cordless operation)
BATTERY CHARGER:	
Main Charger:	10 v ac to 240 v ac
Automobile Charger:	11 v dc to 16 v dc
HARDWARE:	
Capture Data Storage:	Removable SD card (supports up to 2 GB and larger)
Display:	6.9 cm (2.7 in), 240 x 320 pixel, color, 18 bits per pixel (bpp)
Camera Lens:	3.1 megapixel (2048 x 1536) 75 mm
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
FIRMWARE:	
Operating System:	Linux based, with custom device drivers
Anti-Jam:	Automatic laser jammer avoidance
Video Size:	Standard format: 240 x 180 pixels, 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

Note: Specifications may vary depending on type approval and standards for your country.

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



TRUCAM[®] Enhancements

TruCAM + IR Flash = Nighttime Evidence

Enforcing traffic violations is challenging enough during the day, but when you add darkness to the equation, capturing solid proof evidence is that much harder. LTI's custom Infrared Flash Unit gives you the capability to take easily recognizable images of a violator's license plate at night. The unit connects to the TruCAM with either an extended sync cable or wirelessly with infrared flash links. After you set up the IR Flash +/- 40 m (130 ft) from your occupied point, you can capture images of the violator's vehicle approximately +/- 90 m (295 ft) down the road from where you are standing. Simply toggle the TruCAM into Night Mode and add the camera lens filter to give you clear, vivid images with all the relevant violation data you'll need.



Trucam + White Flash (wireless connection) = Nighttime evidence with color of number plate



Field Printing for Real-Time Violations

Providing physical evidence at the time of the violation can be a powerful tool in deterring the general public from speeding or tailgating. Quickly transferring all the high-resolution TruCAM data to a field printer is easier said than done, until now. LTI's Field Printing Software Program compresses the file size of the TruCAM video footage and high-resolution image, allowing you to quickly send all necessary violation data to a field printer. The reduced file produces a picture when the laser energy was fired along with the exact speed, time and data coupled with a vivid black- and white-close-up of the violator's license plate. This all can be printed right in the field so you can attach the indisputable evidence along with your ticket. The original data stored on the TruCAM SD card is never compromised so you can still use it for post-processing purposes.

KEY FEATURES:

- » Rely on the self-explanatory keypad for ease of operation
- » Adjust the brightness level on the heads-up display for maximum visibility
- » Enhance your aiming stability with the removable shoulder rest
- » Shoot through light rain or snow with the one-button weather mode
- » Always know the laser beam size at any distance with the aiming mark found inside the HUD

TRUSPEED® Series

Superior Laser Performance at Affordable Pricing

The TruSpeed laser is one of the most economical and reliable laser speed devices in the world. It's priced so even the smallest of departments can afford LIDAR. It has a lightweight, ergonomic design that's extremely simple to operate. Like all LTI lasers, the TruSpeed offers pinpoint, single-vehicle targeting in multilane traffic—a huge advantage over radar. It also

comes standard with the same proprietary Accuracy Validation firmware, which ensures every speed measurement is true and correct before it ever displays a speed reading.



TruSPEED® Series

Specific Uses/Functions	TruSpeed®	TruSpeed® LR
Measures speed, distance and vehicle direction	Yes	Yes
Long-range enhancement (increasing range up to 1200 m)	No	Yes
Anti-Jam firmware	No	Yes
Affordability	\$	\$ +



TRUSPEED Details

Easily accessible mount to quickly add or remove the shoulder stock



Over-the-counter C batteries to eliminate recharging hassles



Superior optics for long-range targeting

Clear and easy-to-read display with a backlight button for nighttime use



TRUSPEED SPECIFICATIONS

Weight:	2.75 lb (1 kg) with batteries
Size:	7.75 x 3 x 11.75 in (20 x 8 x 30 cm)
Construction:	Composite polycarbonate outer shell; Aluminum internal chassis
Maximum Range:	TruSpeed: 2,000 ft (610 m)
TruSpeed LR:	3,000 ft (915 m)
Minimum Range:	
Speed Mode:	50 ft (15 m)
Weather Mode:	200 ft (60 m)
Continuous Mode:	50 ft (15 m)
Range Accuracy:	± 6 in (± 15 cm)
Display Resolution:	
Speed:	+ 1 mph (+ 2 km/h)
Range:	± 0.1 unit of measure
Speed Range:	± 200 mph (± 320 km/h)
Speed Accuracy:	± 1 mph (± 2 km/h)
Measurement Type:	Continuous and single shot
Power:	Two alkaline or NiCad rechargeable C-cell batteries providing up to 25 hours of cordless operation
Measurement Time:	0.33 sec
Environment:	Water resistant/NEMA 4/IP 55
Temperature Range:	
Operating:	-22° to 140° F (-30° to 60° C)
Storage:	-31° to 158° F (-35° to 70° C)
Eye Safety:	Class 1; FDA CFR 21 Europe IEC 60825-1
Laser Wavelength:	905 nanometers (nominal)
Beam Divergence:	2.5 milliradians (nominal)

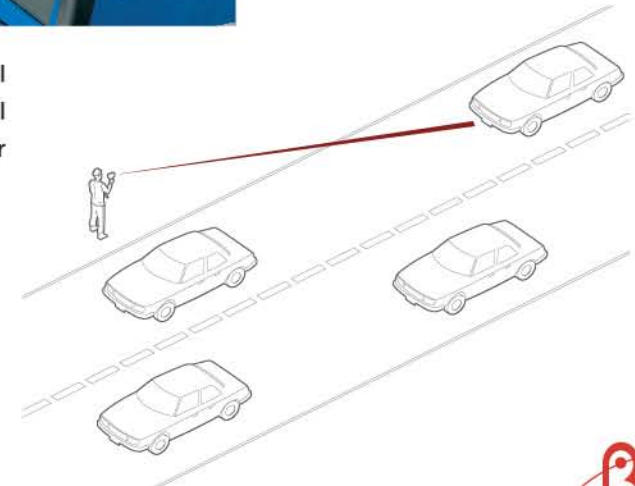
Note: Specifications may vary depending on type approval & standards for your country.

TRUSPEED® Series

More about the TruSpeed® DC

The TruSpeed® LR has all the features associated with our TruSpeed units — superior optics, easy accessible shoulder mount and use of over-the-counter batteries. Additionally, the LR version gives you the ability to capture violations at 3,000 feet in contrast to the 2,000-foot range offered on a regular TruSpeed unit.

Add a 3.5x scope to your TruSpeed LR for easier vehicle targeting at these longer ranges. This will enhance your visibility and give you more confidence as to what the laser is aiming toward. Further, the LR unit has an anti-jam firmware that precludes laser jammers from penetrating the TruSpeed's laser signal. The TruSpeed LR will still calculate the vehicle's speed and will provide you with an indicator that a laser jammer is being used.



TRUSPEED S

Laser Technology, Inc. Releases the TruSpeed S: The World's Smallest and Most and Affordable Laser Speed Measurement Device

Laser Technology, Inc. (LTI) announces another breakthrough product that is now the most compact, reliable and affordable laser speed enforcement device on the market. The all new TruSpeed S possesses state-of-the-art technology, has a rugged exterior and offers unmatched value for the price.

The TruSpeed S weighs less than a 500 gms and has a binocular-style design. It's robust enough to handle extreme conditions and situations that police officers face on a daily basis and runs on over-the-counter batteries. Every speed reading and menu option is displayed right inside the 7 power sighting scope, giving officers more confidence in verifying a specific vehicle's speed without taking their eye off the target. The custom 'Black Mask' LCD allows everything to be clearly seen under both dark and bright light conditions.



"Instantly deploy it, fire it and store it, aptly describes how the TruSpeed S is a simple point and shoot laser that fits in the palm of your hand and can be stowed almost anywhere," says Eric Miller, President of Laser Technology, Inc. "The market demands equipment to be lighter, smaller and more affordable."

Laser precision targeting within heavy traffic is becoming more and more of a necessity, but historically LIDAR (Light Detection and Ranging) lidar was too expensive for some departments. The TruSpeed S is being offered at a price comparable to other enforcement technology.



LTI is celebrating their 25th year of business and has have been awarded 63 laser-based patents worldwide. The Company is responsible for releasing the first commercial laser speed measurement device in the early nineties. The Company's family of LTI 20/20 lasers has not only continued to established court precedence around the world, they are the only lasers that have also passed the most stringent approval processes in many countries throughout the world.





Our trained and experienced engineers always stand by our clients to provide excellent technical services.



Beams' team of drivers is trained to collect data daily from the areas where there is no network.



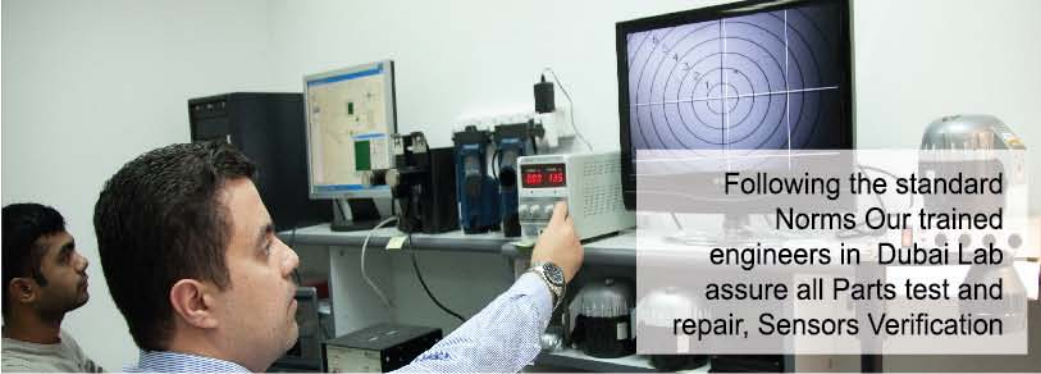
We do care about our systems and ensure they are always clean and functional.



It takes a large inventory of spare parts to ensure professional management of 650 traffic enforcement system.



APPRECIATIONS AND TESTIMONIALS



Following the standard Norms Our trained engineers in Dubai Lab assure all Parts test and repair, Sensors Verification



In our Dubai Lab, our mechanical team is qualified to maintain, repair and replace our cabinet Air Conditions.



It takes a large inventory of spare parts to ensure professional management of 650 traffic enforcement system.



Our trained and experienced engineers always stand by our clients to provide excellent technical services.



APPRECIATIONS AND TESTIMONIALS



OUR PROGRAMMERS



برنامج نظام مراقبة حركة المرور

مركز شرطة أبوظبي
ABU DHABI POLICE

نوع المخالفة	مصدر المركبة	مسار المركبة	توقيت الرادار	توقيت المخرج	وقت التوقف	رقم التفتيش
(السيارات التي تأخذون للمسرعة المحددة بها للبريد على ٣٠ كم / ساعة -إحدى	1	122	121	105		

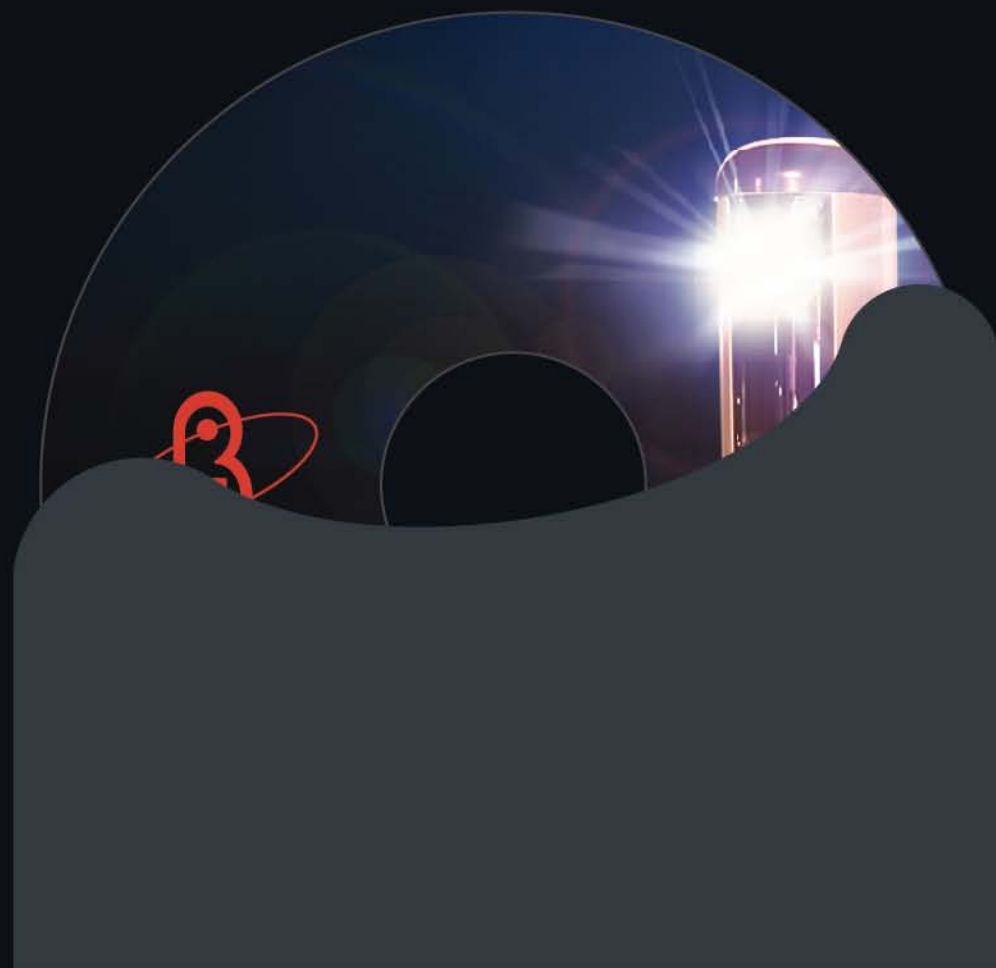
Location: Hameem Road 008 H
 Location Code: Direction: Away Lane: Lane1 Speed Offence
 Speed Zone: 100 km/h Vehicle Speed: 122 km/h
 Date: 1 Time: 12:33:30.741 Elapsed Time: 0.00 Vehicle Type: Car

الرقم	النقطة	النتيجة
12523	النقطة	47
1	النقطة	1
1	النقطة	1
3	النقطة	3
4	النقطة	4
1	النقطة	1
172	النقطة	172
٢٠٠٦	النقطة	٢٠٠٦
	النقطة	حركة خفيفة

1854 المنطقة القريه - حميم - شارع حميم

المنطقة / رمز الموقع







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