

Speed Enforcement Camera from RiT Technologies

The statistics are clear: speeding is the #1 cause of traffic accidents, and the higher the speed, the worse the damage. As such, speed deterrence has always been one of the most important tasks of any traffic police department. But it is also one of the most labor intensive.

With the goal of apprehending more speeders with less effort, a number of automatic camera systems have been deployed throughout the world. However, for courts to rely on it as trustworthy "witness", the camera must provide an undisputable level of clarity and accuracy in all types of traffic conditions and distances.

Acculize, RiT Technologies' breakthrough laser-based speed camera, brings a new level of accuracy and reliability to the automatic speed detection market. Using advanced technology, this unique speed enforcement tool records the image of a speeding car instantaneously with an indisputable speed stamp and clear documentation of the vehicle's license plate number. These high-quality records have proven to be reliable, defensible evidence in courtrooms throughout the world.



The Acculize laser speed camera is differentiated by two significant advantages:

- **Accuracy over distance:** through the use of unique algorithms, Acculize is capable of measuring speed precisely from a distance of up to 700 meters, and producing clear license plate images at up to 250 meters.
- **Evidence base:** through the use of a fundamentally new approach to instrumental design, Acculize records a clear image of the vehicle along with its speed. This enables the traffic police to produce credible reports that include comprehensive details regarding the offending car. Acculize can also provide a video recording of selected violations, enabling the positive identification of "red-light runners" or cars being driven on the wrong side of the road.



Acculize: Major Capabilities

- **Accurate and reliable** measurement and documentation with built-in optical zoom that eliminates the need for moving parts or additional mechanisms
- **Selective speed measurement:** based on laser beam technology, Acculize is able to single out specific vehicles in multi-lane traffic
- **Positive identification:** sight marks on the device's optical channel and captured images enable positive identification of each specific vehicle
- **Embedded system operation monitoring**
- **Multi-user:** up to 10 officers can use the same device, yet keep their records separate. Access to individual memory banks is protected with individual passwords against unauthorized use
- **Ergonomic and lightweight**
- **Sturdy:** Acculize provides precise measurement in a broad range of temperatures
- **User-friendly and intuitive operation**
 - a cordless remote for easy operation
 - a USB connector for easy PC or Laptop connections
- **Automatic speed detection and measurement:** ensures accurate readings and reports
- **Firmware updates:** ensures the camera is always up to date with the latest features and software updates
- **Flexible:** Acculize can be powered from external power supply; the use of software control enables ongoing functionality upgrades
- **Standards compliant**

Products Specifications

Speed/Distance Specifications	
Speed range	1.5 - 280 kph / 0.9 - 175 mph
Speed accuracy	1 kph / 0.6 mph
Maximum measurement distance	700 m / 0.4 miles
Video/Image Specifications	
Video recording speed	5, 10, 15 frame/sec
Graphical internal display resolution	640 x 480 pixel
Distance for clear license plate images	15 - 250 m / 49 - 820 ft
Graphical image resolution	1,600 x 1,200 pixel
Minimal image recording distance	15 m / 49 ft
Display size	5.7 in.
Physical Specifications	
Battery time	8 h
Input voltage	10 - 15 V
Power consumption	3.8 - 6 W
Dimensions	230 x 120 x 95 mm / 9.05 x 4.73 x 3.74 in.
Weight (with battery)	1.5 kg / 3.3 lbs
Internal image storage	2 GB / 6,000 images
Operating temperatures	- 30 - + 50 °C

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