



OUR COMMITMENT IS TO PROTECT LIVES

MEDAR MTS[®]



Mobile Speed Enforcement System

- ✓ LIDAR Detection Technology
- ✓ Multiple Vehicle Tracking
- ✓ High Accuracy
- ✓ Speed, Lane, Safe Distance Violation Detection
- ✓ Vehicle Class, Color Detection
- ✓ Automatic Plate Number Recognition
- ✓ Embedded Night Vision
- ✓ All in One Structure



Medar MTS is a mobile speed enforcement system which tracks multiple vehicles on multiple lanes. System automatically detects and marks the speeding vehicle and creates violation file including target vehicle's speed, lane, class, color, location, date, time and high resolution vehicle image along with plate number. System also detects lane violation, safe distance violation and create penalties automatically.



Mounting Options



On Roof Bar (Standard)



Road Side Tripod (Optional)

MEDAR MTS® Technical Specification

Technology: LIDAR

Multiple Vehicle Tracking: Yes, Automatic

Speed Measurement Range: 10 - 250 km/h

Speed Accuracy: +/- 3km/h (up to 100 km/h);
< +/- %3km/h (above 100 km/h)

Lane Detection: up to 4 lanes

Vehicle Classification: 5 class

Violation Types: Speed, lane*, safe distance*

Plate Number Recognition: Automatic

Storage: 512 GB

Violation Camera: 12 MP global shutter camera

Violation Monitoring: In-Car violation monitoring
and evaluation software

Night View: Embedded IR unit

Power: 12V DC

Operating Temperature: -25°C to +55°C

Environmental Protection: IP65 (medar mts housing)

Metadata: Date, time, GPS, target vehicle's
speed, lane, class**, image, color*, plate number, video

* @day conditions

**Motorcycle, car, van-minibus, truck, bus

Automatic Violation Detection Types



Speed Violation Form	
06T3843	
Violation Information	
Time	10:00:00 - 10:00
Location	İstanbul
Speed Limit (km/h)	50
Speed	62 Km/h
GPS	34.000000 N 32.800000 E

Automatic Speed Violation Detection and Automatic Ticket



Lane Violation Form	
33SR457	
Violation Information	
Time	10:00:00 - 10:00
Location	İstanbul
Number of Lanes	4
Violation Lane	3
GPS	34.000000 N 32.800000 E

Automatic Lane Violation Detection and Automatic Ticket



Safe Distance Violation Form	
34FR311	
Violation Information	
Time	10:00:00 - 10:00
Location	İstanbul
Required Distance	20.00
Measured Distance	15.00
GPS	34.000000 N 32.800000 E

Automatic Safe Distance Violation Detection and Automatic Ticket

*Penalty reports can also be automatically created in the institution's own formats.



Automatic Smart Traffic Report

All the technical data has $\pm 5\%$ tolerance. Issued Date: 07/2025

All rights reserved © 2025 MESAN Inc.

MESAN Elektronik Sanayi Ticaret A.Ş.

Headquarter: HAB OSB Mahallesi G8 Caddesi No: 8 Kahramankazan/Ankara/TURKIYE

R&D Office: Ankara Teknopark TGB Yerleşkesi, İvedik OSB Mah. 2224.Cad. No:1/99, 06378, Yenimahalle/Ankara/TURKIYE

PBX: +90 312 299 20 70 | mesan@mesanas.com.tr | www.mesanas.com.tr