

MESTAmobile

Monitoring speed
wherever you need

MESTAmobile offers the most advanced features for monitoring speed violations from any location, such as a bridge or from within a police car. It allows fully automated operations with live transmission of violations as well as offline recording. It supports several deployment options including large set of violation detections.

Rapid deployment

MESTAmobile allows you to track down dangerous driving behavior wherever and whenever you need. It is easy to set up and has no complex initialization, enabling you to start the mission without delay.

Supporting missions

MESTAmobile supports multiple types of missions:

- › **Road safety offenses:** the classic application of a mobile system.
- › **Offender interception:** MESTAmobile monitors and detects the violations and raises an alert to an interception team for an immediate response to the violation.
- › **Public security:** connected to databases or preloaded before the mission, MESTAmobile reads license plates of all vehicles to ease traffic regulation or track watch-listed plates

Operational in all environments

MESTAmobile is an easy-to-use and robust solution. It can support all your mobile road safety missions:

- › For approaching and/or receding traffic
- › From the side of the road or from a bridge
- › On a tripod or from within a car

Various operating modes for more flexibility

MESTAmobile is adaptable to different infrastructure, network coverage or enforcement approaches by offering several operating modes:

- › **Fully automated:** MESTAmobile monitors traffic, detects violations, documents the cases and transmits the violations live to a central site. It behaves like a fixed traffic law enforcement system.
- › **Offline:** MESTAmobile automatically monitors and detects violations, but the transmission of the violations is done at a later stage by an officer when connected.

Benefits



Optimized efficiency

MESTAmobile is designed for optimized efficiency of every mission thanks to a combination of quick set-up and high detection rate whatever traffic condition.



Advanced violations tracking

Based on Automated License Plate Recognition, MESTAmobile can detect traffic violations based on plate numbers. With the support of MESTAccontrol back-end system, further verification of vehicles for example yearly check control, tax payment, insurance registration or any other attributes centrally registered.



In-cabin vision

MESTAmobile is designed with specialized optics allowing in-cabin vision to capture clear images of drivers without seat belts or phoning while driving.

Why IDEMIA?

IDEMIA is the world leader in public security applications with in-house capability to design, produce and support edge devices and associated embedded advanced image-processing analytics. IDEMIA is committed to providing best-in-class solutions for road safety with innovative traffic law enforcement systems that prevent dangerous driving behavior,

and increase the security and the efficiency of road safety enforcement.

With over 40 years' experience in the road safety market, IDEMIA has delivered more than 10,000 traffic law enforcement systems. IDEMIA's systems successfully operate in France, Belgium, Canada, Colombia and in several places in the Arabic Gulf region.

Advanced speed violations capabilities

Thanks to multiple detection technologies including Doppler, LIDAR and video analytics, MESTAmobile has one of the best detection rates on the market. Accuracy and performance are its key features.

MESTAmobile uses advanced monitoring algorithms capable of detecting a large range of complex situations involving diverse types of vehicles such as over-speeding, overtaking, tailgating or driving in forbidden lanes.

In addition, driver behavior is monitored thanks to its in-cabin vision capability. This unique feature allows you to get clear picture of offences such as using a phone while driving, or not wearing a seatbelt.

Because MESTAmobile is configurable per lane, vehicle classification and time, this brings greater adaptability to each mission.



With pre-registered sites and automatic calculation of the road angle, MESTAmobile is up and running within a few minutes

MESTAmobile comes with a tripod, a battery case, tablet, and offers flexible configuration to adapt to the specificities of each squad (battery extension, storage, etc.)



Open platform

MESTAmobile, is based on IDEMIA's in-house SAFE platform that uses advanced analytics combining unique imaging capability with powerful AI algorithms. It can be easily upgraded to add additional detection capabilities (e.g. more types of violation, more vehicle classifications) to leverage traffic information and address more use cases.



Cutting-edge technology

Functional features

- › Over-speed detection per class up to 300km/h
- › Over-speed configurable per vehicle classification, lane and time
- › Bi-directional speed measurement (approaching and receding simultaneously)
- › Traffic data statistics gathering
- › Covering four straight or curved lanes
- › Classification of up to five different vehicles
- › Night operation with flash (on the tripod or deported)
- › Self-diagnostic (automatic or manual)
- › Automatic Number Plate Recognition on all vehicles (optional)
- › Automatic mode or interception mode (batch of violations)
- › Online (connected to central server) or offline mode
- › Long-lasting battery for up to 12 hours continuous operation (8h as standard)
- › Violation storage of up to 10,000 violations (5,000 as standard)
- › Web server for operations (Wifi or wired)
- › Preloaded sites data
- › Wireless connection to central server (cellular)

Technical features

- › **Measurement unit**
 - Dimensions (LxHxW): 28x27x32cm
 - Weight: 8kg
- › **Flash unit**
 - Dimensions (LxHxW): 27x18x12cm
 - Weight: 3kg
- › **Battery unit**
 - Dimensions (LxHxW): 43x24x34cm
 - Weight: 9kg max
- › **Resilient tablet (large set of possible tablets)**
 - Standard dimensions (LxHxW): 27cmx19cmx2cm
 - Usable as a removable storage media for offline violation transfer
- › **Tripod**
 - Weight: less than 3kg
 - Adjustable height per feet
 - Easy lock-in system

Environmental conditions

- › Operating temperature range -25°C +60°C
- › Storage temperature range -25°C +70°C
- › IP65 for all units except tablet