

MESTA 2000

FIXED, AUTOMATIC SPEED

MEASUREMENT EQUIPMENT

Multi-target bi-Doppler radar technology

Vehicle classification

Multiple-lane monitoring

Automatic Number Plate Recognition (ANPR)

Remote maintenance and parameter setting

Hot climate version

Vandal proof



MESTA 2000

FIXED, AUTOMATED SPEED

MEASUREMENT EQUIPMENT



Technical characteristics

- Certified speed range: 25 to 300kmph (15 to 186mph)
- Certified measurement accuracy:
 - ± 3 kmph up to 100kmph (± 1.86 mph up to 62mph)
 - $\pm 3\%$ above 100kmph ($\pm 3\%$ beyond 62mph)
- Number of lanes monitored: 1 to 6
- Data interfaces:
 - High throughput USB Series 2.0
 - IP technology, RJ 45 connector
- Connection: wired, wireless, satellite or fiber optic networks
- Removable rack: measurement and image acquisition modules
- Certified operating temperatures: from -20°C to $+60^{\circ}\text{C}$
- Power supply: 12V DC or 230 V AC 50 Hz (or solar energy)
- Conforms to EU regulations for electrical equipment, meaning it carries the CE logo.

Adapted to the new stakes of governments

The Mesta 2000 range has been designed to measure the spot speed of all types of vehicles, from cars to trucks and motorcycles. As an option, it can offer automated computation of average speed on a given road section. It is a fixed speed camera, with its main functions entirely automated: speed measurement, violation detection, image acquisition and real-time, secured data transmission to the processing centre.

Offered in various configurations, mounted on masts, gantries or set-up on the roadside, it covers all constraints of installation.

Mesta 2000 has a significant impact on the behaviour of road users as regards speed limits.

A solution designed by a road safety expert

• **Reliability and high performance:** based on bi-Doppler radar technology, the Mesta 2000 guarantees a precise and reliable measurement of both speed and distance of the vehicle. With its remote maintenance and parameter setting features, and anti-vandalism protections, the Mesta 2000 offers a high operational availability rate.

• **Multiple lane monitoring:** the Mesta 2000 monitors up to 6 traffic lanes and delivers two high definition photos of each offending vehicle. The designation by the radar of the targeted lane allows processing violation messages displaying several vehicles on the same photo. This contributes to the effectiveness of our automated speed limit enforcement solution.

• **Automatic vehicle classification:** this feature allows the Mesta 2000 to enforce speed limits taking into account each class of vehicle (light or heavy vehicles and motorcycles).

• **Automatic Number Plate Recognition:** as an option or upgrade, the Mesta 2000 can integrate, a new automatic number plated recognition (ANPR) module allowing the identification of stolen or wanted vehicles. The integration of this specially optimized module requires no significant modification to the Mesta 2000.

• **Hot climate version:** with its carefully studied design and the integration of cooling modules, this version of Mesta 2000 can operate at high temperatures.

• **Renewable energy:** attentive to the issues of sustainable development, Morpho offers a version of the Mesta 2000 powered by solar energy.

• **Protection against vandalism:** in its bulletproof, anti break-in housing, the Mesta 2000 is also protected by a high security lock.

Morpho

Phone: +33 (0)1 58 11 88 23 - Fax: +33 (0)1 58 11 89 93 - www.morpho.com
Registered Office: Le Ponant de Paris - 27, rue Leblanc - F-75512 PARIS CEDEX 15 - FRANCE
Société anonyme au capital de 159.876.075 euros - 440 305 282 R.C.S. PARIS