PARIFEX

DOUBLE-SIDED VIGIE
Stationary System for Automated Enforcement of Motorway Traffic Offences

► Stationary automated speed enforcement system, optimised to fine all speeding vehicles, including motorbikes, on motorways and expressways

► Ergonomic equipment, resistant to difficult traffic conditions

► Type-approved equipment for simultaneous control of approaching then receding vehicles on 4 lanes from 50 to 250 km/h

► Weatherproof and vandal-resistant cabinet, fixed to a concrete foundation and fitted with a battery to withstand temporary power cuts

► Possibility of embedding a wide range of additional functionalities for optimum productivity according to customer requirements, thanks to the additional computing power provided by the processing unit

KEY FEATURES & BENEFITS

High-performance enforcement of road traffic offences
- Ticketing of up to 5 vehicles/s per lane
- Possibility of integrating additional functionalities

Additional integrated features
- Automatic number plate recognition (ANPR)
- Offence and traffic statistics
- Speed limits by vehicle class
- Photos taken of the front and rear of the offending vehicle

Easy-to-use equipment
- Fast, automatic calibration
- Ergonomic and intuitive multilingual interface

System optimised for high performance
- 180° vehicle tracking for accurate speed measurement even in difficult conditions (short distances between vehicles, lane changes, heavy traffic, etc.)
- Vandal-resistant and weatherproof
- Battery backup in the event of a power cut

PARIFEX

APPROVED FEATURES

Offence Detection	Speeding per vehicle class
Type of Use	Stationary installation on motorways and expressways
Operating Mode	Fully automated, unattended traffic enforcement
Installation Mode	On a concrete foundation
Installation Height	At road level +/- 30 cm (+/- 11.8 ft)
Detection Range	3 m to 45 m (10 ft to 148 ft)
Speed Measurement Range	50 km/h to 250 km/h (31 mph to 156 mph)
Speed Enforcement Capabilities	Approaching then receding traffic monitoring (up to 5 vehicles/s per lane)
Lane Coverage	Approaching traffic: 4 lanes Receding traffic: 4 lanes Identification of the offending vehicle on the front and back pictures
Equipment Positioning	Roadside, opposite roadside, central reservation
Calibration	Fully automatic (calibration < 15 min)

ADDITIONAL FUNCTIONALITIES

Automatic License Plate Reading (ALPR/ANPR)	Optional
Vehicle Classification	Built-in
Offence and Traffic Statistics	Intégré
Make & Model Recognition (MMR/BMR)	Optional
Vehicle Color Recognition	Optional

COMPONENTS

Sensor Device	Scanning 3D LiDAR sensor (64 channels, 865 nm, 20 Hz) Class 1 eye-safe per IEC/EN 60825-1:2014
Shooting Device	Front camera: high-resolution colour matrix camera (9 Mpx) Back camera: standard-resolution B/W matrix camera (2 Mpx) Options: B/W (front), colour (back) and higher resolutions available
Night Lighting Device	Front and back: non-visible IR light projector (850 nm) Options: visible red light (650 nm) or visible white projector
Storage Disc Capacity	16 GB (sensor unit) + 512 GB (processing unit)
Connectivity	Encrypted communication to user interface via Ethernet Options: WLAN, 3G/4G

TECHNICAL DATA

Operating Temperature	-20 °C to +55 °C (-4 °F to 131 °F) Extended high/low temperature range with appropriate cooling/heating system
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F) at least
Humidity	5 – 95 %, non-condensing
Protection Class	Resistant to severe weather conditions and vandalism
Dimensions (L*W*H)	620 x 420 x 2,550 mm (24.4 x 16.5 x 100.4 in)
Weight	Approx. 160 kg (353 lb)
Supply Voltage	230 V AC, 50 Hz
Power Consumption	Maximum 60 W, average 47 W or less (power consumption excluding cabinet heating)
Battery Type	Lead-acid battery 12 V 200 Wh
Battery Autonomy	Approx. 2 h