DATASHEET

COMPAS

Mobile Automated Speed Enforcement System

► Mobile automated speed enforcement system, optimised for rapid deployment in the field and a high level of efficiency

► Lightweight, compact, easy-to-use, type-approved equipment for simultaneous control of approaching and receding vehicles on 4 lanes at speeds from 30 to 250 km/h

► No system installation checks necessary to start a speed enforcement mission

► Housing designed to be weather-resistant, mounted on a tripod or placed in the boot of a stationary vehicle

► Possibility of embedding additional functionalities for optimum productivity according to customer requirements

KEY FEATURES & BENEFITS

High-performance enforcement of road traffic offences

- Ticketing of up to 5 vehicles/s per lane
- Possibility of integrating additional functionalities

Built-in additional functionalities

- Automatic number plate recognition (ANPR)
- Offence and traffic statistics
- Speed limits by vehicle class and lane
- Simultaneous enforcement in both directions of traffic

Easy-to-install and use equipment

- High positioning tolerance
- No installation checks required
- Fast (< 5 min) and fully automatic calibration
- Ergonomic and intuitive multilingual interface

System optimised for everyday use

- Very light and compact
- Weatherproof
- Long-lasting battery (> 10 h)

DATASHEET

APPROVED FEATURES

Offence Detection	Speeding per vehicle class and per lane
Type of Use	Mobile use on streets, roads and motorways
Operating Mode	Fully automated traffic enforcement
Installation Mode	On a tripod or in the boot of a stationary vehicle
Installation Height	0.8 m to 1.5 m (2.6 ft to 4.9 ft)
Detection Range	3 m to 45 m (10 ft to 148 ft)
Speed Measurement Range	30 km/h to 250 km/h (19 mph to 156 mph)
Speed Enforcement Capabilities	Approaching and/or 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 picture
Equipment Positioning	Roadside
Calibration	Fully automatic (calibration < 5 min)

ADDITIONAL FUNCTIONALITIES

Automatic License Plate Reading (ALPR/ANPR)	Built-in
Vehicle Classification	Built-in
Offence and Traffic Statistics	Built-in
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	High-resolution colour matrix camera (9 Mpx) Options: B/W and higher resolutions available
Night Lighting Device	Non-visible IR light projector (850 nm) Options: visible red light (650 nm) or visible white projector
Storage Disc Capacity	64 GB
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)
Storage Temperature	-20 °C to +60 °C (-4 °F to +140 °F) at least
Humidity	5 – 95 % non-condensing
Protection Class	Sensor unit: IP54 ◆ Night lighting unit: IP66 ◆ Energy case: IP65
Dimensions (L*W*H)	Sensor unit: 225 x 170 x 215 mm (8.9 x 6.7 x 8.5 in) ◆ Night lighting unit: 168 x 98 x 194 mm (6.6 x 3.9 x 7.6 in) ◆ Energy case: 340 x 300 x 160 mm (13.4 x 11.8 x 6.3 in)
Weight	Sensor unit: 3.7 kg (8.1 lb) ◆ Night lighting unit: 1.5 kg (3.3 lb) ◆ Energy case: 8.5 kg (18.7 lb) ◆ Tripod+mounting plate: 4.9 kg (10.7 lb)
Supply Voltage	12 V DC
Power Consumption	Maximum 64 W, average 48 W or less
Battery Type	Self-contained Li-Ion energy case 12 V 500 Wh
Battery Autonomy	More than 10 h