

# HEXIUM SPEED CAPTURE

## INTELLIGENT SPEED CAPTURE DEVICE



The latest development of **Hexium** is the **Speed Capture** - designed to measure the speed of moving vehicles with maximum precision and accuracy.

The fixed installation version of the **Speed Capture** enables the operator to continuously monitor the speed of moving vehicles. Working in automatic measuring mode, the **Speed Capture** takes a picture of all vehicles exceeding the pre-determined speed limit. The device can be activated, and the database accessed remotely via either a GPRS or WLAN connection. In addition to the above-mentioned features, the mounted version of the **Speed Capture** incorporates a touch screen LCD panel, enabling direct operation of the device. The mobile version of the **Speed Capture** is delivered complete with all accessories necessary to perform in-vehicle installation, including a GPS module to determine the exact speed that the monitoring vehicle is traveling and therefore enabling a highly accurate speed measurement of the offending vehicle.

The processor incorporated in the **Speed Capture** is capable of determining the distance of the monitored vehicle by using the time differences between emission and detection. From the determined, time-to-time elementary distance measurements, the speedometer accurately defines the speed of the vehicle. The displayed data is counted by ten elementary measurements and the system shows valid data only if these elementary measurements display results that are coherent with each other. By operating in this way, a resultant false measurement reading is virtually impossible.

The **Speed Capture**, with the help of a built-in laser speed capture and with the miniVariCam controllable high resolution camera, can be operated in multiple modes. It is capable of measuring the speed of vehicles, and also storing pictures which can be used at a later date for identification and verification purposes. In addition to speed measurement, the device incorporates Pretrigger technology, making it possible to store images taken prior to a given moment. The **Speed Capture** determines the measurements of moving objects with a high degree of accuracy.

The user software enables fast and accurate tuning, camera operation and the processing of acquired images. The software defines the vehicle to be measured by the calibration, and performs a secure data transmission between the measuring device and PC.

The Embedded Windows XP operating system is specially adapted to the device in the **Speed Capture**. It utilizes the stability and flexibility of Windows XP. With its minimal size, it can fit into a CF memory and ensures that the device can be activated and put into operation with minimum effort and time.

The **Speed Capture** conforms to the IP41 standard, enabling it to be installed on public roads. In addition, the **Speed Capture** has an excellent level of resistance against physical abuse, climatic changes and other types of impact and variables.

The Original Equipment Manufacturer of the product is **HEXIUM Technical Development Co., Ltd.** Exclusive distributor and system integrator of the device is **NJL Industrial Services and Trading Ltd.**

### Main features:

- *Highly accurate laser speed capture*
- *Highly accurate laser distance measurement*
- *Three operational modes: installed/mounted/mobile (can be installed in a vehicle)*
- *High speed, DSP based data management*
- *Maximum measuring distance: 1000m*
- *Maximum measurable speed:  $\pm 320$  km/h*
- *Remote controllable operation*
- *WLAN, GPRS, GPS modules depending on the type*
- *Mouse-based on Touch Screen technology, virtual keyboard handling*
- *Simple graphic user software*
- *Automatic camera controlling*
- *Automatic speed correction at moving operation mode*
- *Built in Pretrigger technology in the device*
- *Single and continuous image storing*
- *Built-in looking back mode*
- *Automatic Pen Drive handling*
- *Separate daytime and night operation mode*
- *Exporting in JPEG format*
- *IP41 qualification*
- *Operates in a broad temperature range from  $-25^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$*

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### Technical information:

**Image making:**

<b>Frequency of picture making:</b>	max. 25 frame/s ... typ. 5 frame/s
<b>Image quality:</b>	768 x 288, Y/C
<b>Compression:</b>	JPEG

**Limit values:**

<b>Minimum measuring distance :</b>	15 m
<b>Maximum measuring distance:</b>	1000 m
<b>Maximum measurable speed:</b>	± 320 km/h

**Accuracy:**

<b>Distance measuring accuracy:</b>	±0,1 m
<b>Speed measuring accuracy:</b>	±2 km/h

**Laser data:**

<b>Laser wavelength:</b>	905 nm
<b>Eye safety classification:</b>	FDA Class 1 (CFR 21)

**Parameters:**

<b>Storing temperature range:</b>	-30°C ... +60°C
<b>Housing safety classification:</b>	IP41

**Power supply:**

<b>Power voltage range:</b>	9.2V - 18V
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**Outside parameters:**

<b>Perimeter parameters:</b>	22.5cm x 11cm x 22.5cm (without LCD)
<b>Weight:</b>	about 5 kg (in full version)

For further information please visit [www.hexium.hu](http://www.hexium.hu).

Magyarország célba ér

