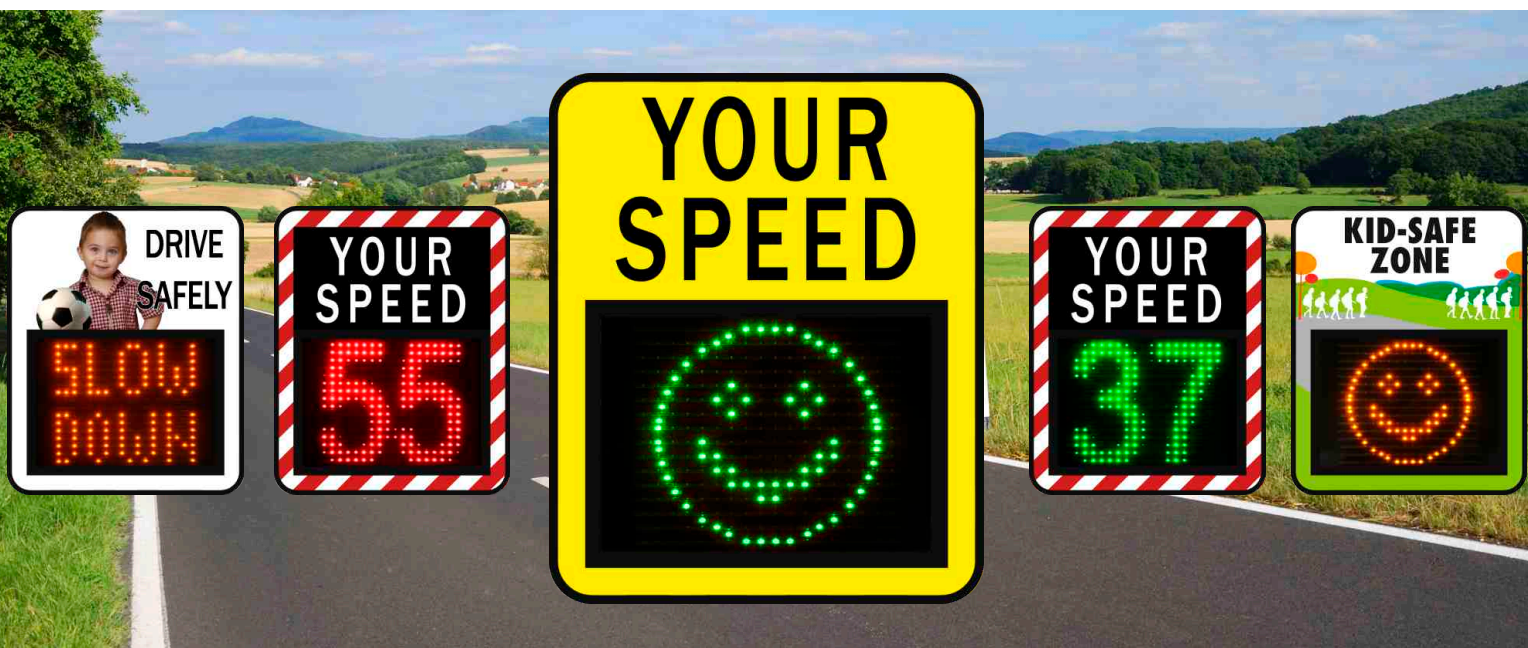# Speed Display GR33S / C

SPEED DISPLAYS
TRAFFIC DETECTION
Radar. Detection. Software.

Features

- Dot matrix display
- Displays speed and pictures in **AMBER** (GR33S) or **RED, YELLOW** and **GREEN** (GR33C)
- Flashes if speed threshold is exceeded
- Individual bitmaps can be uploaded such as text messages, smiling/frowning faces, speed limits, logos or any other symbols
- Adjustable minimum/maximum speed threshold
- Time controlled activation
- Automatic brightness regulation
- High contrast due to unique display construction
- Large front plate for custom, digitally printed designs
- Robust Lexan front window with anti-glare coating
- Data collection for more than 200.000 records
- Bluetooth for display configuration
- Measurement of the supply voltage
- Deep discharge protection for batteries
- Low weight - only 9 kg!
- Easy one-man installation
- User friendly control software for Android and Windows
- **Unique value for money**

Highlights

It is a fact that radar-driven speed displays slow down traffic permanently.

This positive effect can be attributed to the display's ability to alert drivers with responsive messages wherever the device is deployed (school zones, Kindergarten, zebra crossings or on busy roads in residential areas).

The GR33S and GR33C are dot-matrix display that are able to show speeds driven as well as individual bitmaps which is an additional benefit to common speed displays.

Both speed displays offer speed and time triggered bitmaps (such as smileys) and short text messages in **AMBER** (GR33S) or **RED, YELLOW** and **GREEN** (GR33C). As an example the devices are able to show different pictures during school time and the rest of the day.

All these features are put into a compact and extremely smart enclosure.

SIERZEGA
detects traffic!
www.sierzega.com

Electrical Data

Input Voltage	12V
Power Consumption	Low Power Design!
Standby (Radar on, LEDs off)	< 0,1W (!)
Display active (speed value)	< 1W
Peak (all LEDs active)	4W

Radar Sensor

Operating Frequency	K-Band (24 GHz)
Transmitting Power	5 mW
Certification	FCC, IC, CE approved
Operating Speed	2 ... 199 km/h or 2 .. 150 mph
Detection Range	min. 100 m, avg. 200 m Truck avg. 300 m
Accuracy	± 3 %

LEDs

Brand	High-Performance Osram LEDs „Black Series"
Color	Yellow 590 nm (GR33S) Red, Green and mixed color Yellow (GR33C)
Life Span	Long Lifetime and Reliability
Radiation Angle	30° Lense
Viewing Angle	> 120°

Display

Resolution	16 x 18 Pixel + Ring
Pixel Grid	20 mm
Digit Size	30 cm
Reading Distance	approx. 150 m
Readability	Unique contrast due to Special Design
Update Rate	approx. 1 sec, adjustable
Brightness Regulation	Automatically
Bitmap Memory	250 Pictures

Mechanical Data

Dimensions	61 x 75 x 4 cm
Weight	9 kg
Enclosure	Aluminium
Front Plate Sheeting	Reflective yellow/white, black with red/white stripes or digital print
Protection Degree	IP67
Front Window	Lexan, Anti-Glare Coating
Ambient Temperature	-25°C to 60°C

Scope of Delivery

- Speed Display GR33S or GR33C
- Software: BT-Comm/GRS/Android App
- Pole Brackets (60 or 76 mm)
- Power supply Cable 12V
- Optional: Variable Pole Clamps
- Optional: Batteries and Solar Power Supply
- Optional: Remote Control Unit RC1

TŪV AUSTRIA

Sierzega is TÜV Austria EN ISO 9001 certified.
The company develops, produces and delivers high-performance radar systems like radar controlled LED displays and traffic detection systems.

SIERZEGA
detects traffic!
www.sierzega.com