

FMS-300CB

7-Segments 12" Speed Display Kit

Make your own **Speed Display Sign** the way you want it

We did all heavy lifting for you. With our kit, you can make your own classic Speed Display Sign according to your requirements and specifications fast and easy.

The kit includes microprocessor controlled Doppler Radar system with highly optimized signal processing algorithms for quick and accurate speed measurements and super-slim flexible two-digits 7-segments display board digitally linked to the radar.

This configuration allows you to design your own light-weight and power efficient product without investing considerable times and efforts.



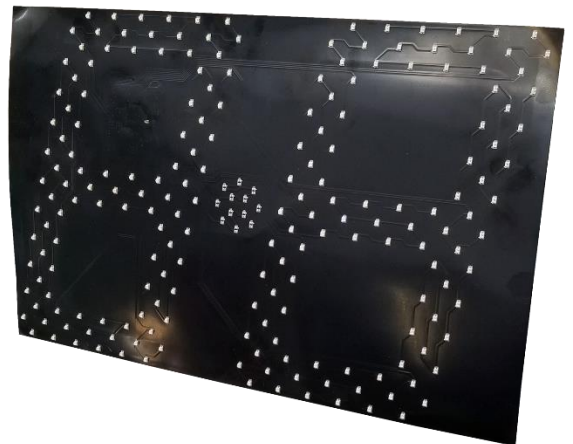
12" RGB Speed Display

What do you need to make a complete product?

What we provide:	What you provide:
<ul style="list-style-type: none"> • Doppler Radar 	<ul style="list-style-type: none"> • Outdoor sign enclosure
<ul style="list-style-type: none"> • Two 12" Digits 7-Segments board 	<ul style="list-style-type: none"> • <i>Optional: AC-DC power supply</i>
<ul style="list-style-type: none"> • Traffic Data Collection 	<ul style="list-style-type: none"> • <i>Optional: Battery with charger</i>
<ul style="list-style-type: none"> • Customized Software and API 	<ul style="list-style-type: none"> • <i>Optional: Solar Panel</i>
<ul style="list-style-type: none"> • Statistical Analysis Tool 	



RSD-300AT Doppler Radar Sensor with Bidirectional Traffic Data Collection Included



7-Segments 12" two-digits Amber LED display

Radar Features

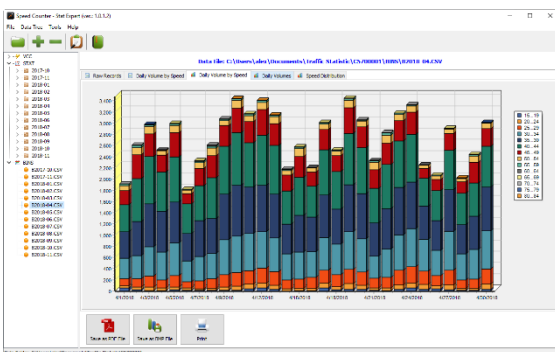
- Programmable multi-level signal amplifier allowing detection of inbound and outbound vehicles at distance up to 500 meters.
- Onboard configuration and diagnostics with Graphic OLED display and 4-buttons navigation.
- FTDI USB and TTL UART interfaces for interaction with high-level controller or computers.
- An extension slot for wireless communication modules such as Bluetooth, Wi-Fi, Cellular, as well as wired RS-232, RS-485, CAN etc.

Display Features

- True-heights technology to ensure the same 12" heights for all digits.
- Embedded dual-channel 16-bit ambient light sensor allows smooth 255-steps brightness adjustment for power efficiency.
- Simple integration thanks to two-wires digital interface between the radar and the display board.
- Optional high-brightness white LED strobe and display flashing can be activated to draw driver's attention.
- Bright (3550 ... 9000 lx), 30° beam Amber LEDs for optimal visibility.

Bi-directional **Traffic Data** collection included

High-accuracy Doppler radar measures the speed of each vehicle and capable to track multiple vehicles moving in both directions at the same time. Virtually unlimited data storage on a removable Micro SD card allows continuous recording of 10+ years of detailed traffic statics. All information is stored in MS Excel compatible files (CSV).



Collected traffic statistic:

- Individual time-stamped records for each vehicle.
- Average, Minimal and Maximal speed of each vehicle.
- Vehicle size estimation (Maxima RSSI level).
- Speed variation (acceleration or deceleration).
- Programmable Speed Bins summary.

Flexible and open for **Your Ideas**

Have an idea of a specific your own model of a Radar Speed Display Sign? Please do not hesitate to ask us about customization of our firmware and software according to your needs. We are dedicated to satisfying all of your requirements.

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