

Solar 188 Radar Speed Sign with face light





Solar 188 radar speed sign with face light is a radar speed sign equipped with a 24GHz German Doppler radar, an embedded smart microcontroller, a high-brightness LED display shows smiling/sad face Use mobile APP to set parameters.. The front speed limit panel is covered by 3M diamond-grade reflective film, increasing the visual distance range up to 300 meters.

The product can process the speed information provided from the radar, and will transfer the data to the Led display together with a happy or sad face in less of 0.1 sec.

The interface can also trigger output signals to allow interconnection with external machines or cameras to capture the picture of the vehicle over the speed limit. The use of microwave sensor inside the algorithm formula makes the system stable all day (including nighttime) measuring results with high level of accuracy.

Radar speed detection mainly utilizes Doppler principle, when a radar beam with a certain frequency is emitted to the moving target. The target velocity information carried by its reflective frequency is different from transmitting frequency. The difference between the two was named after Doppler Frequency. The Doppler Frequency is proportional to the moving speed of the target, on this account, we can detect the vehicle speed. In the traffic ways, so many road sections need to restrict the speed. This product will show a sad face if a vehicle passed over the limits; in the other situation, a happy face will reflect that the speed of the current vehicle is below the established limit.

Remind drivers of controlling speed when a car passes through radar coverage area. It is usually used in accident black spots and speed-limited sections, effectively tell drivers speed on the alert. We highly encourage to install the radar system close some areas, such as schools, hospitals, factories and industrial zones, exit gates and other locations in order to protect the lives of the regular and disabled people, their wealth and their lives. Our products are exported all over the world, such as Europe, Latin America, the Middle East, Australia, Africa and Southeast Asia. The product with high efficiency and stable performance win the praise of customers at domestic market as well as abroad.

Features

Built-in German doppler traffic radar, strong anti-interference, high accuracy, $\pm 1\text{Km}$ in allowable error, sensitivity of radar can be set according to the situation of traffic and vehicle.

Able to detect the fastest vehicle in a lane or target vehicle's speed nearest from radar speed sign. Better in pertinence, efficiently suppress the interference from the other vehicles, presenting more effective speed value to drivers.

There are ten levels of brightness. 1 is the darkest and 10 is the brightest

Continuous display time for target vehicle speed can be customized (2s).

Varieties of power supply (Solar power, AC, DC, Storage battery), Ultra-low power, 50AH standard battery, 100W solar panel, working time in cloudy weather for 8 to 10 days (the solar panel and battery depend the user location).

Visual double-color LED display, red screen when speeding, green screen within safe value, clearly visible at 300m distance.

The mobile phone APP to set parameters within 10 meters, and can support Apple, Android and Hongmeng operating systems.

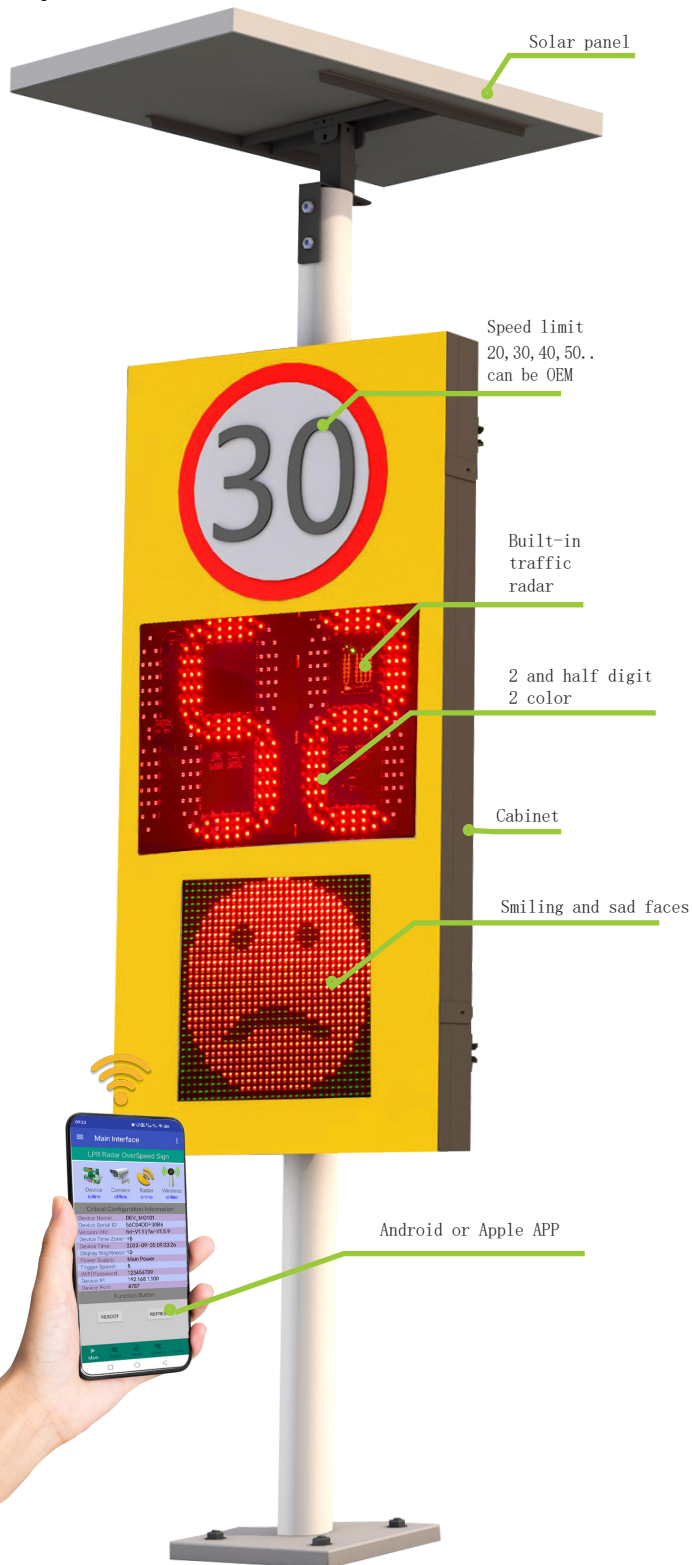
There are ten levels of sensitivity. 1 is the highest sensitivity and 112 is the lowest sensitivity.

Portable bracket, standing pole mounted, vehicle mounted for different situations, all handle screw, built-in battery, no digging required for installation. User friendly

3M diamond-level reflective film as the front speed-limit panel.

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System combination:



Applications

It is suitable for occasions requiring traffic management such as highways, airports, mines, enterprises, schools, hospitals, etc

Power Options

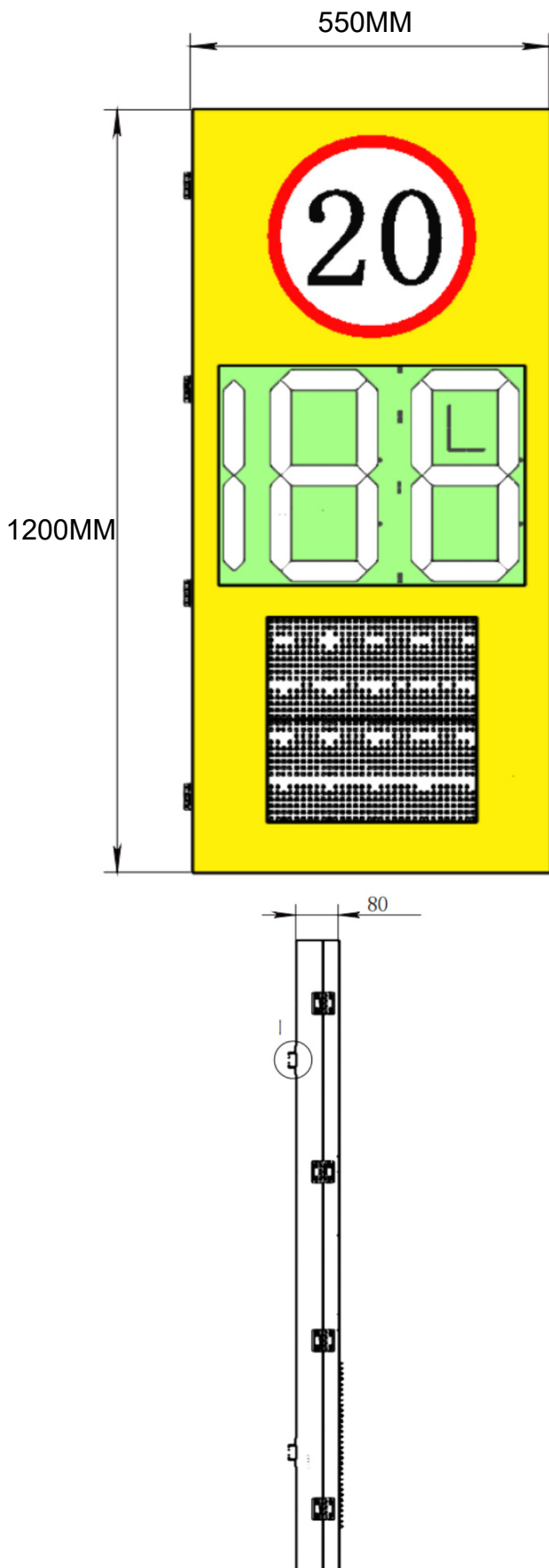
Display Mode	Max displaying speed: 199
Input Voltage	Optional: Solar powered, DC12/24V, or AC85 - 265V
Speed Display	360mm(H)*480mm(W), Red: 208pcs, Green: 208pcs
Light luminous	≥ 8000 cd/m ²
Viewing Angle	$\pm 30^\circ$
Face Display	P10 Module - 320*320mm, Pixel Pitch: P10mm, red and green color
Solar Panel	60W mono Solar panel
Battery	39Ah lithium battery
Working Frequency of Radar	24.125GHZ
Detected Speed Range	10 - 250KM/H
Power consumption	≤ 55 W
Detecting Distance	Standard 100meter (50/150/200m optional)
Reflective Film	3M sticker
Material of Housing	Aluminum with outdoor powder coating
Product Size	1200*550*80mm

Power Options

Solar Panel Options	60W
Battery	3pcs*13ah lithium battery (advise you buy it in your local market)
Continuous rainy days	7-10 days(Depends on the traffic volume at the intersection)

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Size:



APP setting

Radar Direction	two-way detection or two lanes
Speed unit	km/h or Mile /h can be choose
Communications	Wifi
Sensitivity	0-112 (The smaller the number, the higher the sensitivity)
Brightness	1-10(1 is the darkest, 10 is the brightest, default is 5)
Speeding records	Speeding records can be extracted and saved in EXCEL and TXT formats (up to 20,000 records can be recorded)
Overspeed value	1-400 can be set
Interference coefficient	1-112 (the smaller the value, the worse the anti-interference)
Multi-machine coordination	up to 8 units
Angle compensation	0-90 degrees

Radar Specification

Working voltage	Solar powered DC12V
Radar working frequency	24.125 GHz or 24.200 GHz
Detection speed range	1-250KM/H
Detection distance	Standard 200Meters (100meters , 50meters)
Strobe	Dual Strobe and Single Strobe
Internal	SS300 Doppler (FCC approved)
Output Power (EIRP)	20dBm
Antenna Angle	Horizontal: 30° , Pitch: 16° (3dB Beamwidth, Actual Detection Angle Greater Than 4 Lanes)
Speed measurement error	±1 to ±3 KM/H (when the angle between the direction of motion and the radar beam azimuth is 0 degrees)
Radar response time	≤50ms

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Application:

