NobTra
Traffic Solution manufacturer

LPR Traffic Radar Speed Sign

0086-0755-27651481 or 0086-0755-27651482

https://www.nobleled.com

The NobTra LPR Traffic Radar Speed Sign uses the principle of radar speed measurement, combined with LED technology, to display the speed of the vehicle to the driver in time. Generally speaking, the speed feedback sign consists of three parts: 1) Speed limit sign; 2) Radar speed measuring device; 3) Electronic display board; The display board will show the speed of the vehicle, and if there are multiple vehicles driving in the area at the same time, the electronic display board will show the speed of the fastest vehicle among these vehicles.

The LPRS driver feedback sign is the solution that fits your budget. This compact radar speed sign offers exceptional visibility and power efficiency in a lightweight and portable solution. Featuring the options you need at remarkably affordable pricing, the LPRS driver feedback sign will help you keep your neighborhoods safe for years to come.

The NobTra LPR Traffic Radar Speed Sign feedback sign is a device equipped with a speed limit sign and can display the speed of passing vehicles in the detection area on the LED screen in real-time. The vehicle speed feedback sign is widely used in the subsequent radar speed measurement.

The NobTra LPR Traffic Radar Speed Sign displays the speed of the vehicle on the LED screen through radar speed measurement. The advanced speed feedback sign can also display the green speed value for average speed, and the read speed value for Overspeed to warn the driver. Drivers pay attention to controlling their speed. Surveys have shown that vehicle feedback signs can be effective in reducing vehicle speed.

The power supply mode of the vehicle speed feedback sign can be a 220V mains power supply, or it can be combined with a solar panel and battery power supply. In other remote speed-limited sections such as highways that is not convenient to use electricity, the solar power supply is efficient.

In addition, the speed feedback sign can also be equipped with a speeding camera, and the vehicle can take a photo of the speeding vehicle when it is speeding, and send it back to the control center.

Features

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

There are ten levels of sensitivity.1 is the highest sensitivity and 10 is the lowest sensitivity.

There are 112 levels of brightness.1 is the darkest and 112 is the brightest

Red and green two-color display screen display

Imported professional traffic radar is adopted, with high-precision vehicle real-time display function, accurate and reliable speed measurement results, strong anti-drying ability and high precision.

All-day snapshot function, the system has a large capacity, can store 20,000 illegal speeding records, and supports mobile APP to view the snapshot records. The license plate captured by the camera will display the license plate number on the display.

The LPR camera matching has maximum resolution of up to 2 million pixels, outputs real-time images, supports SD card, up to 256G, and is suitable for day and night. The multi-layer optical lens makes the picture quality clear and restores the scene realistically. The reserved 4G port can be connected to the control center later.The LPR camera perfectly recognizes many coutries and regions: the recognition rate can reach 99%.

Radar speed limit card supports customization, which are 30,40,50,60....or other customized values.

supports customized warning characters and languages in different countries, but the characters must be short, for they cannot be displayed if they are too long.

What can the LPRS Solve?

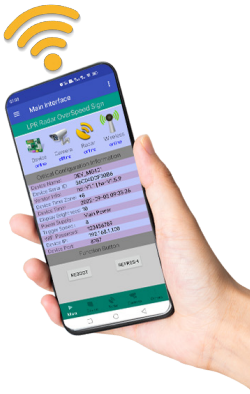
NobTra® LPRS(LPR radar sign) series products can help us:

1. If the driver over-speed, the LPRS will output a warning message to show them, keep safety. Slow down. And the LPR camera take a photo.

2. Connect the LPRS to center room via 4G. easy to get the data from the LPRS.

3. The vehicle detection data also can connect to the traffic intersection, help us to solve the traffic jam. Or help us to make a plan for the traffic control.

4. Warning message: different country symbol can display.



APP Setting

.wifi connection

.Support Android and Apple APP

LPR camera

.Most countries have recognizable license plates

.The recognition rate is as high as 95%.

Support custom text

.Create your own LED texts and graphics with the LED editor.

snapshot records

.20,000 license plate records

.Supports viewing and downloading

4G networking

. Set the target server IP and port, so that the data can be transmitted to the client

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NobTra LPR Traffic Radar Speed Sign

System combination:

Applications

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

Product parameter

LED Screen	640 x 640mm
Front speed limit pane	30 km/40/50/60(optional)
Display Color	Red and green
Raw material	Imported raw materials (including Taiwan-made) high-brightness light-emitting diodes (LEDs)
Light decay	10000h/3 years working time, light decay (mcd)≤20%
Material	3M engineering grade
Glue filling process	Using the full glue filling process, all parts of the circuit board visible to the naked eye are full of glue
Solar panel	60watt
Battery	3pcs 13ah lithium battery
Mounting Height	2.5 - 4m
Standard Mounting	60mm galvanised steel column
Continuous rainy days	7-10 days
Visible distance	Above 300 Meters
PCB material	Epoxy glass cloth laminate (FR4), using Kingboard A2 sheet, thickness ≥1.6mm
Three-proof treatment	The use of silicone three-proof paint, evenly brushed on one s ide of the PCB circuit, can effectively prevent moisture, salt spray, anti-static, anti-mildew, and other characteristics
Power consumption	≤150W
Warranty Period	1 year
Waterproof level	IP 54
Certified	ISO 9001: 2015,CE

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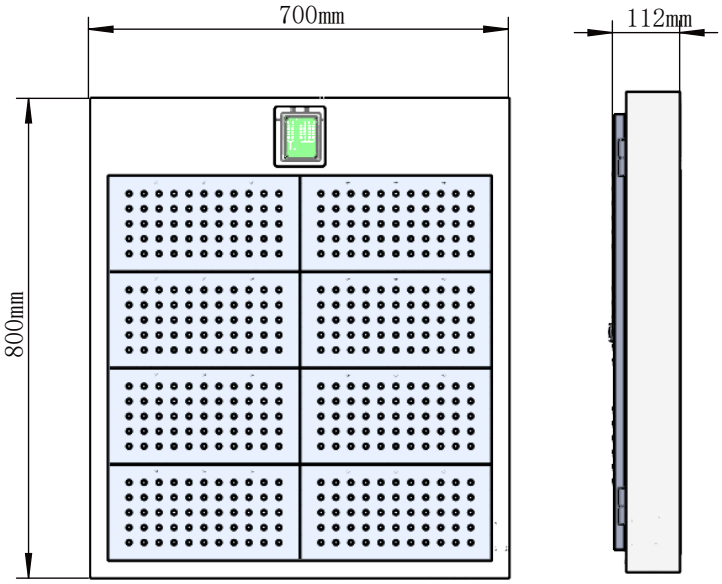
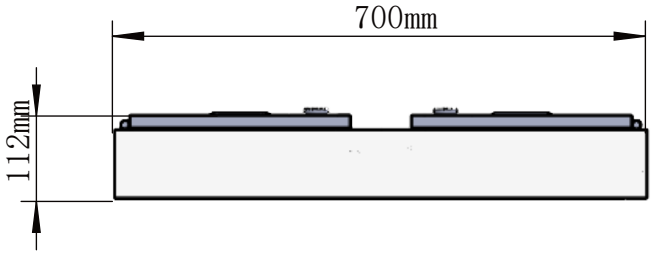
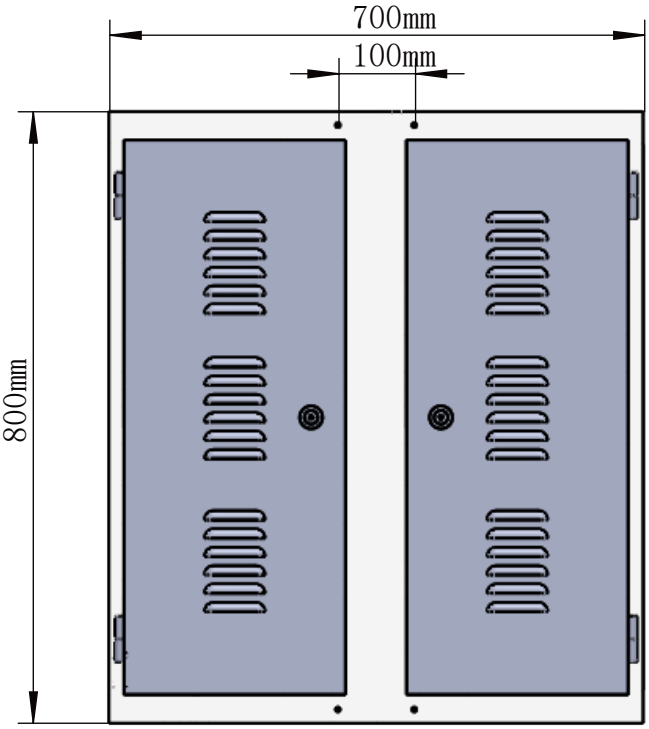
Size:







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

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

Product 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)

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130KM speed LPR unit

Working Voltage		100-240VAC/12VDC
Power Consumption		<5W
IP Rating		IP65
Working Temperature		-30° ～+65°
Overall License Plate Recognition Rate		＞97%
No license plate detection rate		＞99%
Anti-counterfeiting rate		＞99%
Recognition Algorithm	Recognition angle	Maximum left and right 65° , up and down 60°
	Vehicle Speed	＞97%
	recognition distance	18m~35m
	Vehicle Speed	130km/h
	Lane Management	Single Lane
	License Plate Recognition Types	Can recognize license plates from Taiwan, Brazil, Singapore, Vietnam, Malaysia, Europe, Thailand, Hong Kong, Macau, Chile, Colombia, South Africa, Dubai and other countries
	Recognizable License Plate Features	Number, Color, Type, Width
	License Plate Whitelist	Supports accurate and intelligent fuzzy matching of whitelist license plate rules
	Smart Calibration	Supports precise or wildcard-based intelligent calibration for license plate numbers, license plate types, and colors.
Imaging	Basic Configuration	Embedded Intelligent ISP Algorithm
		Intelligent Optimized Dimming Algorithm, Intelligent Adaptation to Complex Scenes
		Basic parameters (brightness/ sharpness/gain/exposure time, etc.) can be individually configured
Video	Video Compression Standard	H.264/MJPEG;
	Video Resolution	352*288、704*576、1280*720、1920*1080
	Compressed Output Bitrate	384Kbps～4Mbps
	Frame Rate	1-25 frames, defaulting to 25 frames.

130KM speed LPR unit

	imaging	Sensor	3 Megapixel Starlight CMOS
		Resolution	2304*1296
		Low Light	0.1LUX Color
		Electronic Shutter	0-10ms, defaulting to 5ms
		Standard Lens	5-50mm Zoom
		Image Settings	Brightness, Gain, Exposure Time
	Indicator	Noise Reduction	Supports 2D/3D Noise Reduction
	Interface	Network Interface	1 Port 10/100Mbps Adaptive RJ45 Interface
	Button	IO Output	2-channel Output
		IO Input	4-channel Input (Default Switching, Switchable to Level Signal)
		RS485	2channels
		TFCard	1 TF Card Slot, Supports up to 64GB Capacity
		USB	Reserved 4-pin_1.25 Spacing Socket
		Reset Button	1 RESET Reset Button
		System Indicator Light	1 GPIO Status Indicator Light
		Static Electricity	Contact 6KV, Air 8KV
		Surge	Surge Voltage 2KV
			Interface Surge 6KV
		EFT	Power Supply EFT 2KV
			Data Line EFT 2KV
	Structure	Fill Light	Built-in Infrared LED Fill Light, Adjustable Brightness
	Parameters	Exterior Dimensions	Whole Machine: 443mm146mm105mm

Radar Unit

	Frequency	24.125GHz
	Pickup distance	≥180m(500feet)
	Speed detect	1KM/H~250KM/H
	Working voltage	9~24V
	Current	≤92mA@12V
	PC（EIRP）	20dBm
	Beam	30° vertical, 16° horizontal
	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

Display unit

Application	Outdoor
housing size	700*800*112MM
Brightness	6500nits
Working voltage	100-240VAC or 9-18VDC
Viewing angle	140
Color	Red and Green
Pixel	10mm
Power consumption	5V@40A
Display	LPR/message/PM
	Vehicle Speed
	Warning message/PM
IP rating	IP54
W.G	21.4 KG
carton size	88*77*18CM

fill light

Light Source Type	High-power white LED imported from original factory
Number of LED Chips	16 pieces
Color Temperature	6000K~6500K(optional 3000-4500K)
Angle	10° （optional 40° ）
Coverage Range	Single lane
Optimal Fill Light Distance	16 meters to 25 meters
Trigger Method	Switch quantity trigger
Trigger Signal	Green + Blue -
Response Time	≤20us
Day-Night Function	Optional with light control induction (light off during the day, light on at night)
RS485 Interface	1 channel, supports connection to PC or camera (optional)
Synchronization Interface	Green + Blue - switch quantity signal
Design Lifetime	≥50000 hours
Housing Material	Die-cast aluminum
Power Supply	Low voltage DC12V Red + Black -
Power	Not greater than 36W (actual power depends on control method)
PowerNot greater than 36W (actual power depends on control method)	Operating temperature -20° C to +70° C, operating humidity 10% to 90%
Protection Level	IP66
Dimensions	130mm(W)×190mm(H)×130mm(D)

Application: