Embedded Radar Speed Measuring System

HWS600 vehicle speed measuring system adopts advanced narrow wave radar to measure the speed of vehicles. This system combines many advantages in one, such as embedded system structure, rapid set up, powerful functions, stationary and mobile use in all-weather condition.
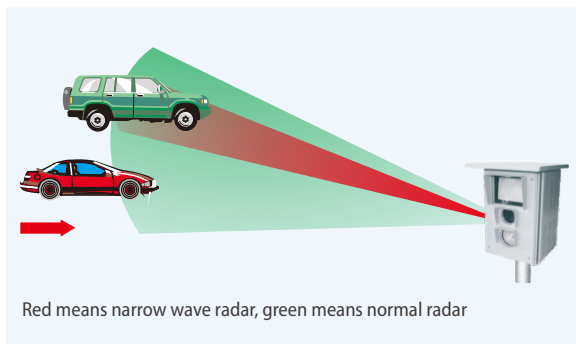
System Composition

HWS600 vehicle speed measuring system is mainly composed of the embedded host, HD intelligent camera, speed measurement radar, flash lamp and etc.

Solution

Features

- Full embedded Linux system endure working in extreme environment
- Narrow wave radar performs accurate location

Red means narrow wave radar, green means normal radar

- Touch panel screen

- Low power consumption, suitable for solar energy supply mode
- 8MP high resolution digital camera
- Water-proof design, all weather continuous working
- Automatic data upload, broken transfer resume

- Image records tamper-resistance watermark tech
- Support IE, web client
- Support dual-stream, 8MP image resolution. 2MP HD video
- Storage capacity can reach 64G
- Simple switch between mobile and stationary usage

Stationary usage

Mobile usage

Specifications

System Performance	Vehicle Captive Rate	≥99%
	Coverage	1~6 lanes
	Vehicle Speed Measurement Range	20~250km/h
Camera	Video Camera	8 Megapixel CCD progressive scanning
	Image Resolution	3296×2472
Sensor	Wireless Beamwidth	Horizontal 5 degrees, Vertical 7 degrees(-3db)
	Radar Transmitter Power	≤10mW
Interface	Alarm Input	1 channels
	Alarm Output	1 channel
	Data Interface	2 RS 232 serial-port, 1 USB2.0 ports, 1 Ethernet port (10/100M), 1SD card inferface, CDMA / GPRS / 3G optional
Environmental	Power Consumption	＜20 W
	Working Temperature	-30℃~+70℃
	Relative Humidity	＜95%
	Dimension	237mm×198mm×264mm(W×D×H)
	Weight	9kg