

DR600

OEM Doppler Speed Radar

Houston Radar's DR600 K-Band Doppler speed radar is a state-of-the-art low power Digital Signal Processing (DSP) based OEM radar for the traffic calming and speed measurement market.

Features and Benefits

- Lowest power long range Doppler radar for speed measurement
- Can be configured for incoming, outgoing, or bidirectional traffic
- Up to 2000+ feet (600+m) typical pickup range for a compact vehicle in full range mode
- FCC, ICC pre-approved with CE mark for worldwide deployment
- Available in 24.125GHz and 24.200GHz center frequencies for US, UK, Australian and other worldwide markets
- Two RS232 serial ports for enhanced flexibility
- IP68 Compact Weatherproof enclosure or open frame option
- Bootloader allows for field upgrading of the firmware
- Best in class "Advanced In-Radar" traffic statistics option
- Tuning fork mode, dual color LED and beeper for diagnostics
- Live Histogram, True Average Speed output for ITS applications
- Ground Speed Measurement mode for mounting on vehicles
- Two vehicle detect trigger outputs
- Advanced built-in self-test feature tests all functionality
- Speed Range from 1 mph to 206 mph (1.6 km/h to 331.5 km/h)
- Drop in replacement for our DR500S, DR1500 radars

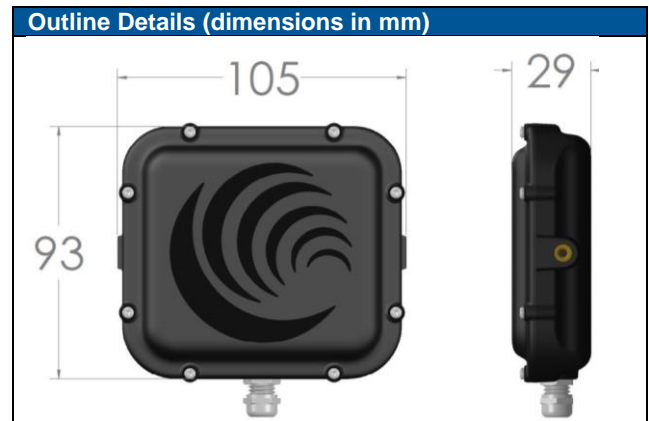


DR600 with Optional Mounting Bracket



Specifications & Recommended Operating Conditions	
Specification	Recommended Condition
Vcc	5V to 24V (30V MAX)
Icc@12VDC	10mA (0.12 Watts typical)
Output Power	20 dBm
Radar f _{center}	24.125GHz or 24.200 GHz
Operating °F(°C)	-40 (-40) min to +185 (85) max
Pickup Distance	(2000+ feet) (600+ m) typical in full range mode
Beam Angle	9°x18°
Beam Polarization	Linear
Serial Ports	2x RS232, Optional Bluetooth
Trigger Outputs	2x 500mA protected outputs
FCC ID	TIADR600
CE Mark, ICC	Yes, Yes
Dimensions	105x93x29 mm (4.1x3.7x1.1 inches)
Weight	0.6 lbs (0.3kg)

DB9 Pin #	Function
1	VCC
2	Primary RS232 TX
3	Primary RS232 RX
4	Auxiliary RS232 RX
5	GND
6	Auxiliary RS232 TX
7	Trigger "open drain" output #1
8	Trigger "open drain" output #2
9	GND



All specifications are subject to change. Pickup distance is typical and will vary with road conditions and targets. Bluetooth interface not available on initial launch.