

DR500S OEM Doppler Speed Radar



The DR500S K-Band Doppler speed radar is a state of the art low power Digital Signal Processing (DSP) based OEM radar for the traffic calming market. It is the premier product in its class available in the world.

Specifications

VCC	9.6VDC min	18VDC max (21V tol.)
Operating °F/C	-40min	185°F/85°C max
Trigger output	600mA sink max	
Comm Interface	2x 3 wire RS232	
Baud Rate	1200 to 115200 baud configurable	
Pickup Distance	1500 feet(457m) typical for compact car	
Beam Angle	12°x14°	
Polarization	Linear	
FCCID	TIADR500	
CE Mark	Yes	
Dimensions	14cm length x 9.4cm diameter	
Weight	0.5Kg approx	

Features & Benefits

- Lowest power industry standard radar for speed measurement
- Directional, picks up either incoming or outgoing vehicles/objects
- 457m typical pickup range for a compact vehicle
- FCC pre-approved with CE mark for worldwide deployment
- Fully configurable via 2x RS232 serial port for enhanced flexibility
- Available in 24.125GHz and 24.200GHz center frequencies for US, UK, Australian and other worldwide markets
- Wide input voltage operating range allows solar operation
- IP65 Weatherproof enclosure
- Firmware "boot loader" allows for field upgrading of firmware
- Best in class "Advanced In-Radar" traffic statistics option available
- One 600mA current sink "vehicle detect" trigger output
- Advanced self-test feature built-in
- True Average Speed feature built-in for very low cost, easy to deploy, average traffic speed measurements on the road
- Available in 0.8 to 61kph, 2 to 167kph and 4.5 to 321kph speed range options and update rates as fast as 29ms.

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