

12-inch radar speed display

Two-digit speed feedback for roads, campuses and private access routes.

Updated 08 October 2026. Image shows an example configuration.



For sites that need a clear numeric speed reading up to 99 km/h.

Technical specifications

Parameter	Specification
Speed display	2 digits; readings up to 99 km/h
Digit height	Nominal 12 inches
Display area	384 × 384 mm
Display content	Speed numbers only
Cabinet H × W × D	600 × 540 × 115 mm
Operating ambient	-20 to +70°C
Radar technology	24.125 GHz CW vehicle speed radar
Sensor measurement range	1-240 km/h; display maximum varies by model
Manufacturer detection distance	>=180 m; depends on target, alignment and site conditions
Sensor accuracy	Error <±1 km/h at 0° target alignment
Beam (3 dB)	40° horizontal × 16° vertical
Sensor interfaces	RS485 / TTL serial, 9600 bps
AC input	200-240 V AC, 47-63 Hz
LED supply	5 V DC; reference SMPS NDA300HS5, 60 A / 300 W rated output
Radar supply	Separate regulated 9-24 V DC rail; module consumption <=1.2 W

Parameter	Specification
LED system	RGB dot matrix; red, amber and green indications; HUB75 interface
Cabinet construction	1.2 mm mild steel with powder-coated finish
Enclosure options	IP65 or IP66, as specified for the supplied configuration
Net weight	Depends on the selected configuration
Mounting & warranty	Wall and pole mounting accessories included; one-year warranty

Configuration notes

The radar sensor measurement range is separate from the maximum speed the sign can display. Detection range and accuracy depend on site conditions and sensor alignment.

The 300 W SMPS rating is output capacity, not measured system consumption. Actual demand varies with brightness and display content.

External connectivity, mounting, solar power and installation services are specified for each project. BIS, CE, IP and ISO documentation requirements must be agreed for the supplied configuration.

Company & support

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