

ITS Multi-Target Speed Measurement Radar

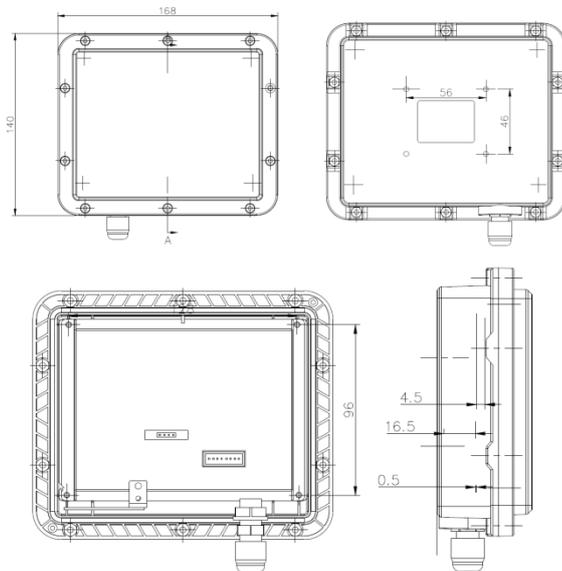
MPR-MV4



Features

- Over 98% capture rate.
- One radar cover 1-4 lane
- Two-way trigger mode, wrong-way driving capture.
- Wireless setup via Wi-Fi.
- Positioning accuracy $\pm 5m$, speed measurement error less than 0.2km/h.
- Front/side mount.

Dimensions



Accessories

Mount	Remarks
TR-UP0627	Universal pole mount Applicable to standard poles: A-pole (pole height not less than 1.5m), F-pole, gantry (pole height not less than 6m)
Power	Remarks
PWR-DC1202-A-NB	DC12V/25W power adapter (bare wire)

Ordering Information

Model	Remarks
MPR-MU1-OS	ITS multi-target speed measurement radar (4 lane), with mounting bracket, optional power module

Specifications

Performance	Description
Lanes	1-4
Vehicle capture rate	$\geq 98\%$
Speed accuracy	-3-0 km/h (<100km/h) -3%-0 km/h (>100km/h)
Trigger consistency	$\pm 0.5m$
Speed range	5km/h~235 km/h
Tracking distance	15~45m
Positioning distance	18~35m
Mounting height	5~10m
Lane width	2.75~5m adjustable
Interface	Description
Communication	1 half-duplex RS485/Wi-Fi
Power	DC 12V
General	Description
Antenna 3dB beamwidth	$45^\circ \times 19^\circ$
Microwave transmitting power	<20dBm
Central frequency	24.15GHz
Radar system	FMCW+Monopulse+Doppler, 3 antenna transmitting/receiving structure
Power consumption	$\leq 3.5W$
Weight	$\leq 0.45kg$
Operating temperature	$-35^\circ C \sim 85^\circ C$
Operating humidity	0-95%RH
Ingress protection	IP66
Dimensions (LxWxH)	168mm \times 140mm \times 50mm