

Positioning and Capture Radar (Single-Lane)

MPR-MU1-OS



Features

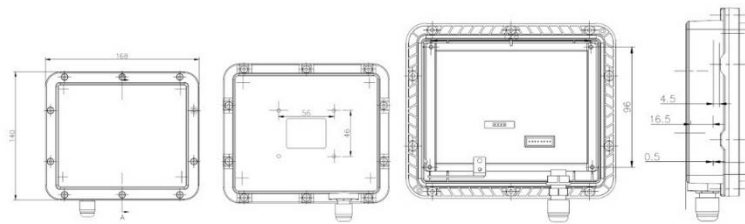
- Capture rate of over 99%.
- Supports bidirectional trigger and wrong-way driving capture.
- Supports wireless commissioning and fine-tuning through Wi-Fi network
- Precise positioning within $\pm 0.5\text{m}$ and speed measurement deviation within 0.2km/h .
- Supports front mount and side mount.

Specifications

Object detection	Description
Detection direction	Incoming
Lanes	1
Speed accuracy	-3-0 km/h (<100km/h) -3%-0 km/h (>100km/h)
Distance accuracy	$\pm 0.5\text{m}$
Speed Range	5km/h to 235km/h
Positioning Distance	15m to 35m
Mounting Height	5m to 10m
Lane Width	2.75m to 5m adjustable
Communication	1 half-duplex RS485/Wi-Fi
Antenna 3dB	$45^\circ \times 19^\circ$
Microwave transmitting	<20dBm

Hardware	Description
Operating temperature	0% to 95% RH
Total weight	≤ 0.45kg
Power supply	DC 12V
Radar System	FMCW+ Monopulse+ Doppler, 3 antenna transmitting/receiving structure
Operating humidity	-35° C to 85° C
Dimensions	168mm*140mm*50mm
Ingress protection	IP66
Communication interface	1 x RS485
Operating frequency	24.15GHz
Mount method	Description
Front mount	5 to 10m, it is recommended to install at the road center with the height of 6 meters
Application Scenario	Description
Application Scenario	Road section

Dimensions



Ordering Info

Product Model	Description
MPR-MU1-OS	Positioning and Capture Radar (Single-Lane)

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