

SPEED MEASUREMENT RADAR

titanHz

MODEL NO.: IB-MIBC11-VPP

titanHz

Features

The radar can measure the speed of up to 128 vehicles in different lanes (1-8 lanes).

Wide speed measuring range between 10 to 320 km/h.

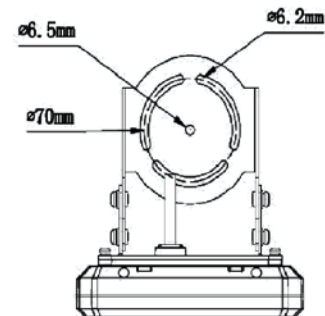
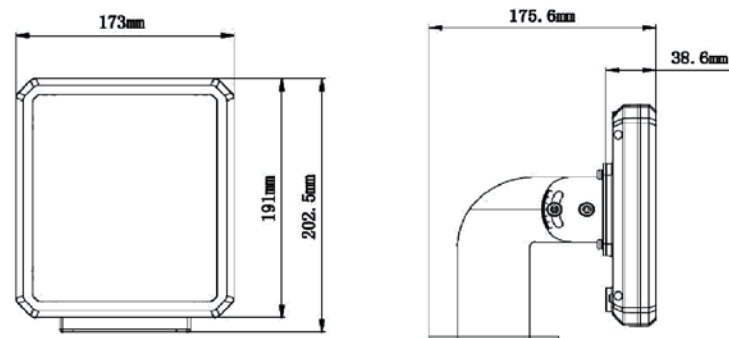
Adjustable capture distance between 18 to 150 m.

Up to 98% capture rate with advanced speed measuring technology.

Technical Parameter

Radar	
Working Frequency	60 to 61 GHz
Modulation Waveform	FMCW
Sweep Bandwidth	200M Hz
Horizontal Detection Angle	± 60°
Vertical Detection Angle	± 12.6°
Max. Detectable Targets	Up to 128
Coverage Lanes	Up to 8 lane(s)
Detection Distance	150 m
Distance Resolution	0.75 m
Distance Measurement Accuracy	± 1 m
Angle Resolution	3.8°
Speed Measuring Range	10 km/h to 320 km/h
Speed Resolution	0.23m/s
Speed Measuring Accuracy	± 2 km/h
Trigger Mode	Approaching direction, Leaving direction, Bidirection
Capture Rate	98%
Interface	
Network Interface	1 RJ 45 10 M/100 M self-adaptive Ethernet port
RS-485	1 RS-485
General	
Power	DC 9 V to 24 V, 1 A, max. 5 W, two-core terminal block
Material	Cover: PC, main body: ADC12
Dimensions	173 mm × 175.6 mm × 202.5 mm (6.81" × 6.91" × 7.97") (L × W × H)
Package Dimensions	270 mm × 250 mm × 223 mm (10.62" × 9.84" × 8.78") (L × W × H)
Weight	Approx. 1.64 kg (3.61 lb.)
With Package Weight	Approx. 2.16 kg (4.76 lb.)
Operating Condition	-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)
Storage Condition	-30 °C to 60 °C (-22 °F to 140 °F). Humidity: 95% or less (non-condensing)
Installation Height	4 to 6 m (Recommend height: 6 m)
Approval	
EMC	EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.1.1:2019
RF	CE-RED: EN IEC 61326-1:2021, DRAFT EN 305 550 V2.1.0:2017, EN 62479:2010, EN50663:2017 KC: KS X 3124, KS X 3123
Safety	CB:IEC 61010-1:2010, IEC 61010-1:2010/AMD1:2016 CE-LVD: EN 61010-1:2010+A1:2019
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013

Dimension



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