

CH-C105 Traffic Flow Radar Module

With the development of society, traffic jam has become a major problem in modern travel. The methods to solve traffic jams include increasing road capacity, developing public transportation, and fully disclosing traffic conditions, among which traffic conditions are fully disclosed and real-time monitoring the Traffic condition information is the method with the lowest cost and the fastest solutions. CH-C105 traffic flow radar can realize Real-time monitoring of road vehicle information, regular reporting the vehicle ID number, coordinates, speed and other information. The radar can be applied on the road to detect the traffic information of the current road section.

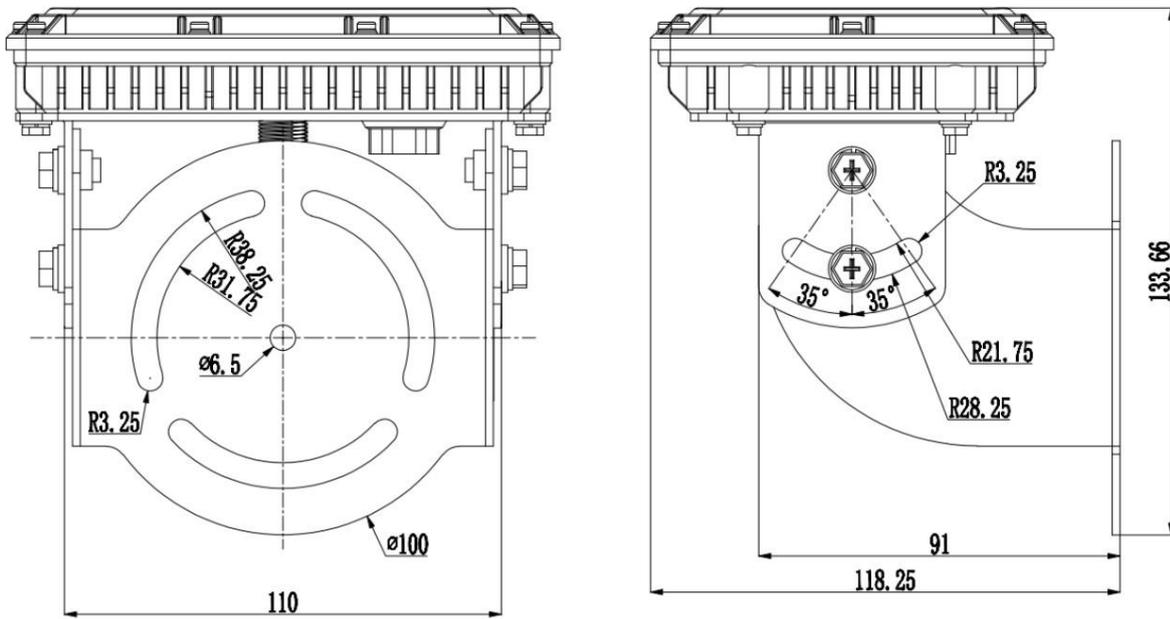
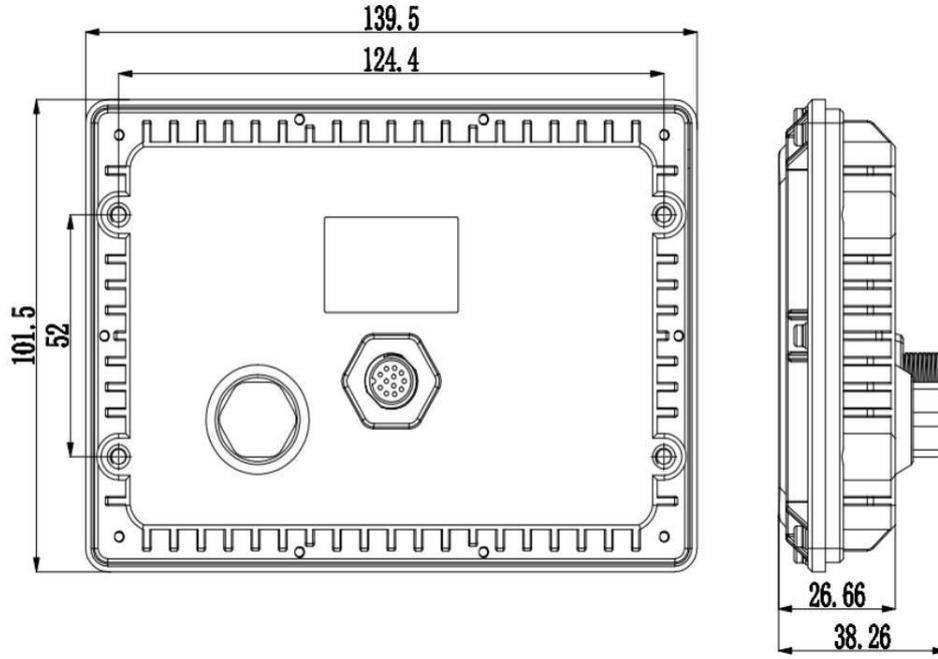
The radar can be used with the video vehicle detector to complete the detection of vehicles within 100 meters and the statistics of traffic flow information.

- Adopt 80GHz MIMO Technology;
- Work around the clock, not affected by weather, light, temperature and other environments;
- The farthest detection distance is 100m, up to 64 targets;
- Support both incoming and outgoing detection
- The power consumption of the product is small, and the size and structure design are suitable for installation;
- Network port communication.
- Support forward & side installation, easy install & debugging

Electrical Parameter

- Frequency : 80GHz
- Effective Bandwidth : 150MHz
- Modulation Waveform : FMCW
- Azimuth Detection Angle : $-22^{\circ} \sim +22^{\circ}$
- Pitch detection angle : $-10^{\circ} \sim +10^{\circ}$
- Detect Speed Range: 2 km/h \sim 250 km/h
- Effect Distance : 110m
- Testing Distance tolerance : $\leq \pm 1m$
- Communication Interface : Ethernet
- Working Voltage: 9 V \sim 12V DC
- Power Consumption : $< 3W$
- Temperature Range: $-40^{\circ}C \sim +80^{\circ}C$

Dimensions:



Unit: mm