

# FRONT-MOUNTED ULTRASONIC DETECTOR

## FJC-CW212-W

The FJC-CW212-W Front-Mounted Ultrasonic Detector is designed with an idea of highly integrated industrial products, and integrates the parking space detection with the indicator function. Based on the working principle of ultrasonic distance measurement, it can detect whether there is a vehicle in the parking space of the parking lot in real time, and display the detection result in different colors by the parking space indicator light, and uploads the result to the area controller.



FJC-CW212-W



## Application Scenarios



Community



Factory



Bank



Hotel



Airport



Office Building

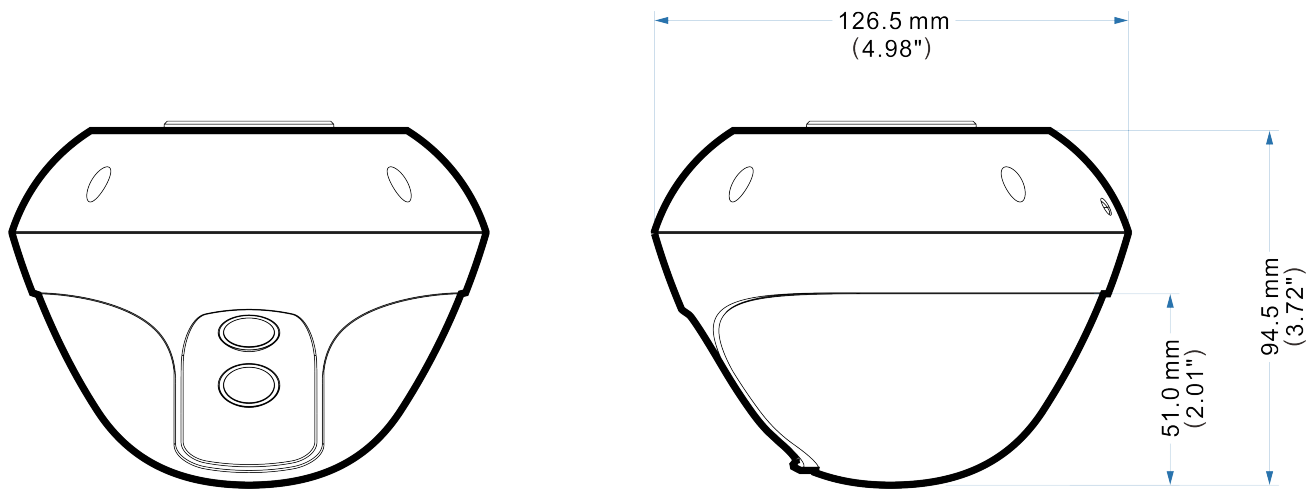


## Key Features

- **Highly integrated design**  
Integrate the parking space detector with the indicator light greatly and feature low deployment costs and short construction time.
- **Precise detection**  
High-precision ultrasonic detection sensor, combined with the intelligent learning anti-interference algorithm, with the detection accuracy of  $\geq 99.9\%$
- **Stable and reliable operation**  
Designed with a two-way independent ultrasonic circuit, two-way switching, redundant backup, and work stably and reliably
- **Highlight LED**  
Highlight LED beads with a wide viewing angle and a long visible distance designed for the parking space state indicator
- **Low power consumption**  
Designed with an idea of low power consumption, and after continuous optimal design and debugging, make the power consumption of the product lower than 1W
- **Plug and Play**  
Two ports for network connection to achieve communication and power supply, without additional extra wiring, and plug and play



## Dimensions (mm)



## Product Specifications

Product Model	FJC-CW212-W
Shell Material	Gray ABS
Standard Dimensions (Φ*H)	126.5*94.5mm
Communication Interface	2 RJ45 ports
Net weight	180g
Working Voltage	DC 10-28V (rated 24V)
Indicator Light Type	Seven-color glossy LED
Power Consumption	<1W
Installation Position	Horizontal: 3.9-4.2m (from the car blocking line), vertical: 2-3m (2.5-2.8m recommended)
Operating Principle	Ultrasonic distance measurement
Response Time	Response time of the detector after parking is <2s
Detection Error	2cm
Detection Accuracy	≥99.9%
Communication	RS485
Communication Distance	≤300m (CAT5 network cable)
Distance for Power Supply	≤150m (CAT5 network cable)
Working Temperature	-20°C to +70°C
Ambient Humidity	40%-70%RH (no condensation)