

CV-BSC0050

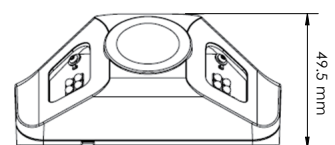
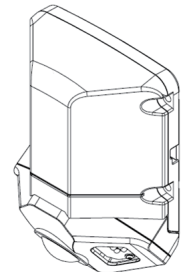
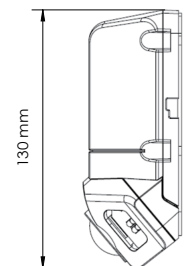
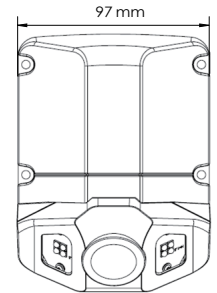
mmWave Radar Camera

- 1/2.8" Format Image Sensor
- Horizontal View Angle (FOV) Up to 170°
- Combined with in-vehicle camera and radar technology, it is used to assist in identifying objects and can instantly measure the distance between the vehicle and external objects
- 1080P Lines Horizontal Resolution
- IP69K weather-proof



Specifications

Radar Spec			
Operating Frequency	79 (78...79) GHz	Angle Measurement Accuracy	1.5 deg
Power Supply	12V DC	Emitted Radar Power (EIRP)	14.1 dBm
Distance Measurement (max)	25 m	Update Time	100 ms
Speed Measurement	-5...+70 kph	Normal Power Consumption	5 W
FOV	H:180° V:30°	Voltage Surge Power Consumption	18 W
Distance Measurement Accuracy	0.5 m		1.5 A
Speed Measurement Accuracy	1 kph	Communication Interface	UART
Camera Spec			
Image Sensor	1/2.8" CMOS		
Effective Pixel	1920 (H) × 1080 (V) approx. 2.07M pixel		
Dynamic Range	-		
SNR	72dB		
ISP	TP3820		
HDR(WDR)	DWDR		
Signal Sync	Internal Sync.		
Video System	TVi		
Resolution	1080P		
Output I/F	Composite 1.0 Vp-p / 75 ohm		
View Angle (FOV)	Horizontal Up to 170°	IR LED	5M @180
Audio in	Option	Mirror	Option
Fish Eye Correction (de-warping)	YES	Low Lux	0.1Lux
Operation Voltage	DC12V ± 10%	Power Consumption	3W (MAX)
Operation Temperature / Humidity	-20 °C ~ 70 °C / 95%		
Stock Temperature / Humidity	-20 °C ~ 85 °C / 95%		
Water-Proof	IP 69K		
Anti-Vibration	ISO16750-3 method 4.1.3.2.3		
Dimension	97mm (W) x 130mm (H) x 49.5mm (D)		
Weight	500g		
Camera Connector	6 pin mini-Din	Radar Connector	9 pin mini-Din
Height of Installation	Between 60 ~ 110cm above road surface level		



CV-CTB101

mmWave Radar ECU



- Warning beeps are activated according to the distance to the nearest obstruction
- Radar detector devices combine DVR to seamlessly record driving condition on the road

Specifications

Model	CV-CTB101
Operating Voltage	DC +12V / 24V $\pm 10\%$
GPS (option)	Support a subset of the NMEA-0183 standard
UART	8 Port
Operation Temperature	-40 °C ~ +85 °C
Stock Temperature	-40 °C ~ +85 °C
Alarm	By Buzzer
GPIO	Di x 4 ; Do x 6
Shock-proof	ISO165750-3 (4.1.3.1.5)
Dimension	135 mm (W) x 38 mm (H) x 145.7 mm (D)

