

7-inch HD touch millimeter wave detection radar system

Not afraid of haze, rain and fog, dust-proof, all-weather work, car-grade



High Frequency Band



Detection distance 0-20M



Obstacle Detection



Sound Warning



Full lamination technology

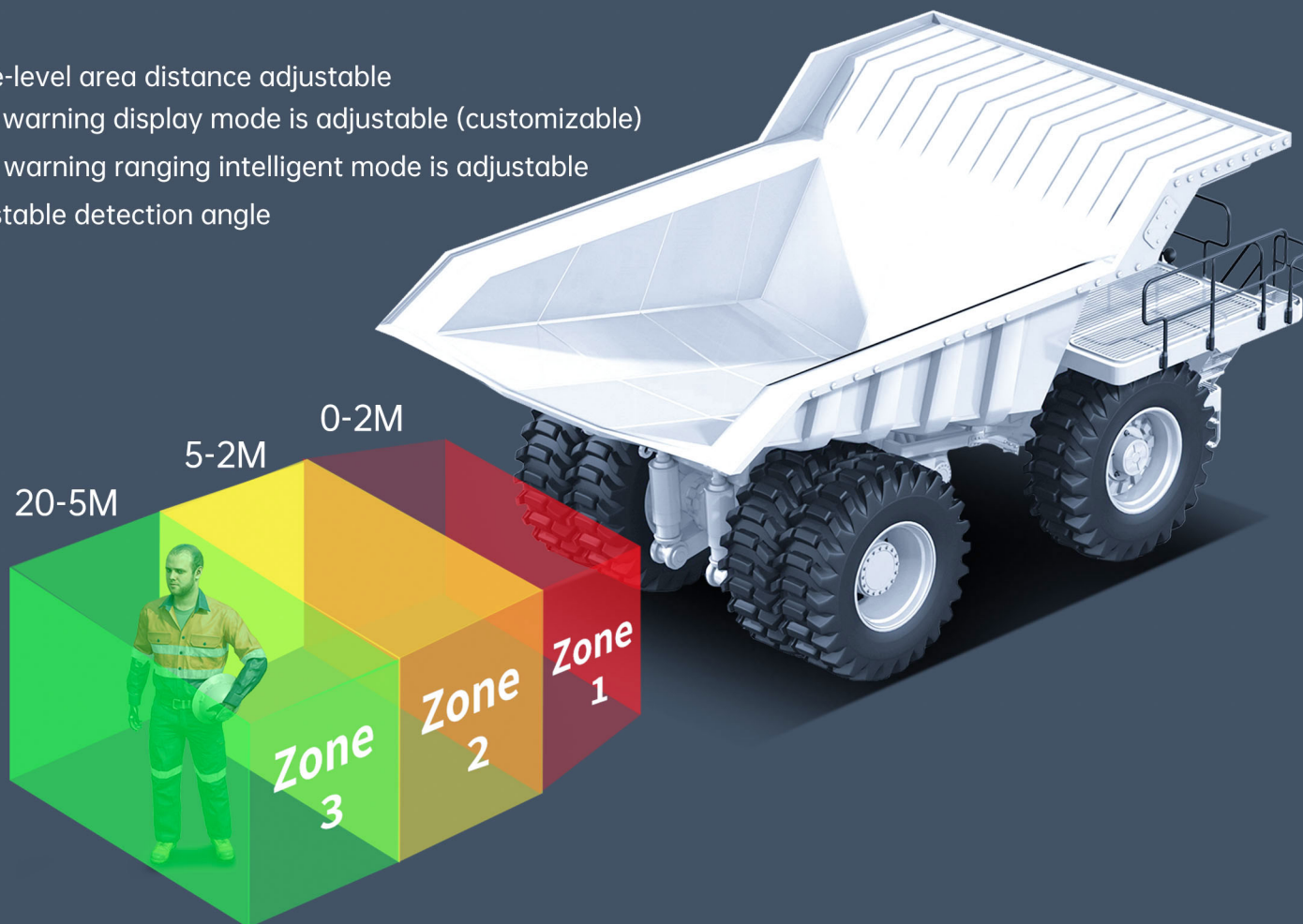


Levels 3 warning area

System overview

The millimeter wave detection radar system works by emitting dual-beam fan-shaped electromagnetic waves and receiving the reflection of the target echo. It can determine whether there is an obstacle ahead and output the distance, angle and speed information of the detected target. This information will be fed back to the display, which combines the vehicle condition and the target information detected by the radar, makes decisions through a comprehensive algorithm, and finally issues a risk warning.

- Three-level area distance adjustable
- Early warning display mode is adjustable (customizable)
- Early warning ranging intelligent mode is adjustable
- Adjustable detection angle



Touch Screen Monitor

Built-in *Buzzer Warning*



Warning monitor style (customizable)

1			
2			
3			
	DI--DI--DI	DI-DI-DI	DI~~~~

HD waterproof camera/millimeter wave radar

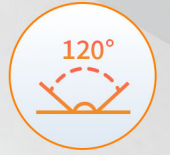
The high frequency band 77~78GHz has good anti-interference performance and distance detection capability



High Frequency Band



Detection Distance 0-20M



Ultra-wide viewing angle



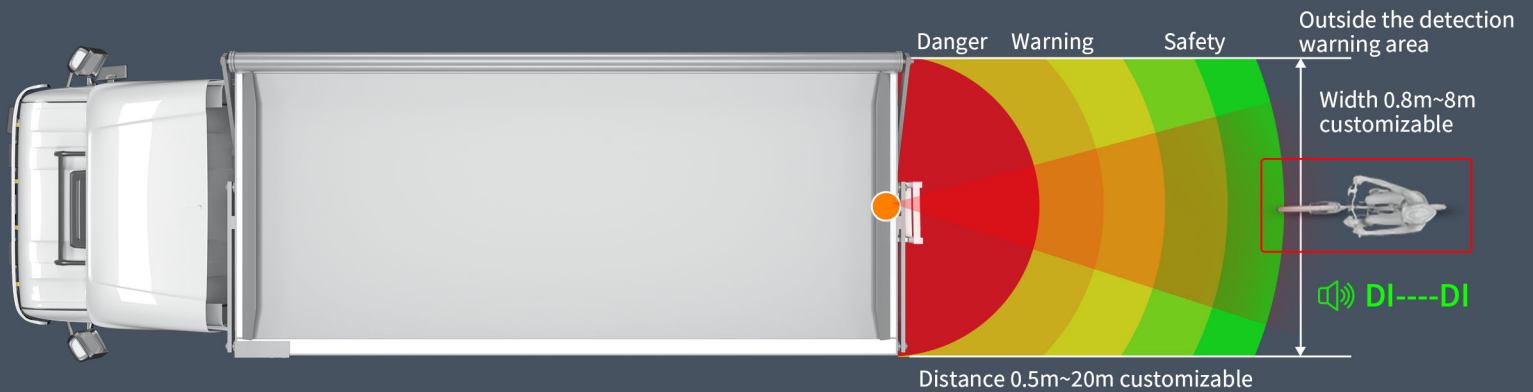
Obstacle Detection



Anti-interference



IP69K Waterproof



Monitor Model Selection



MHD-774M-RU
7-inch HD Monitor

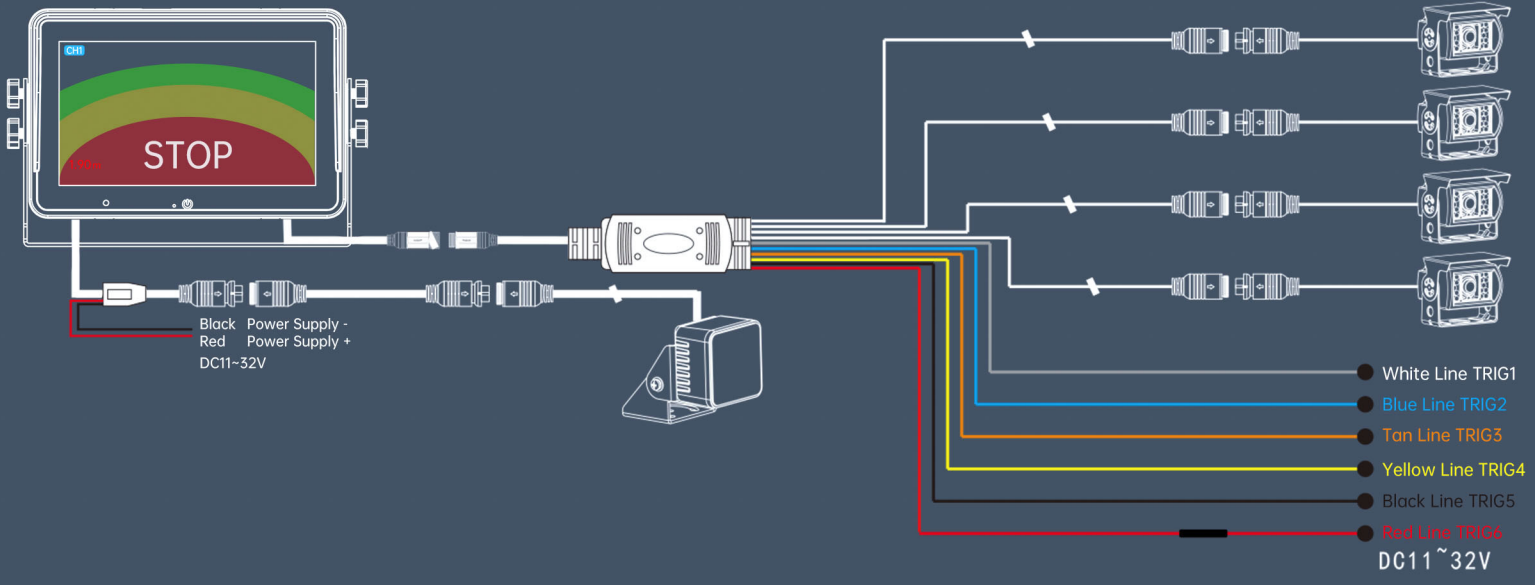
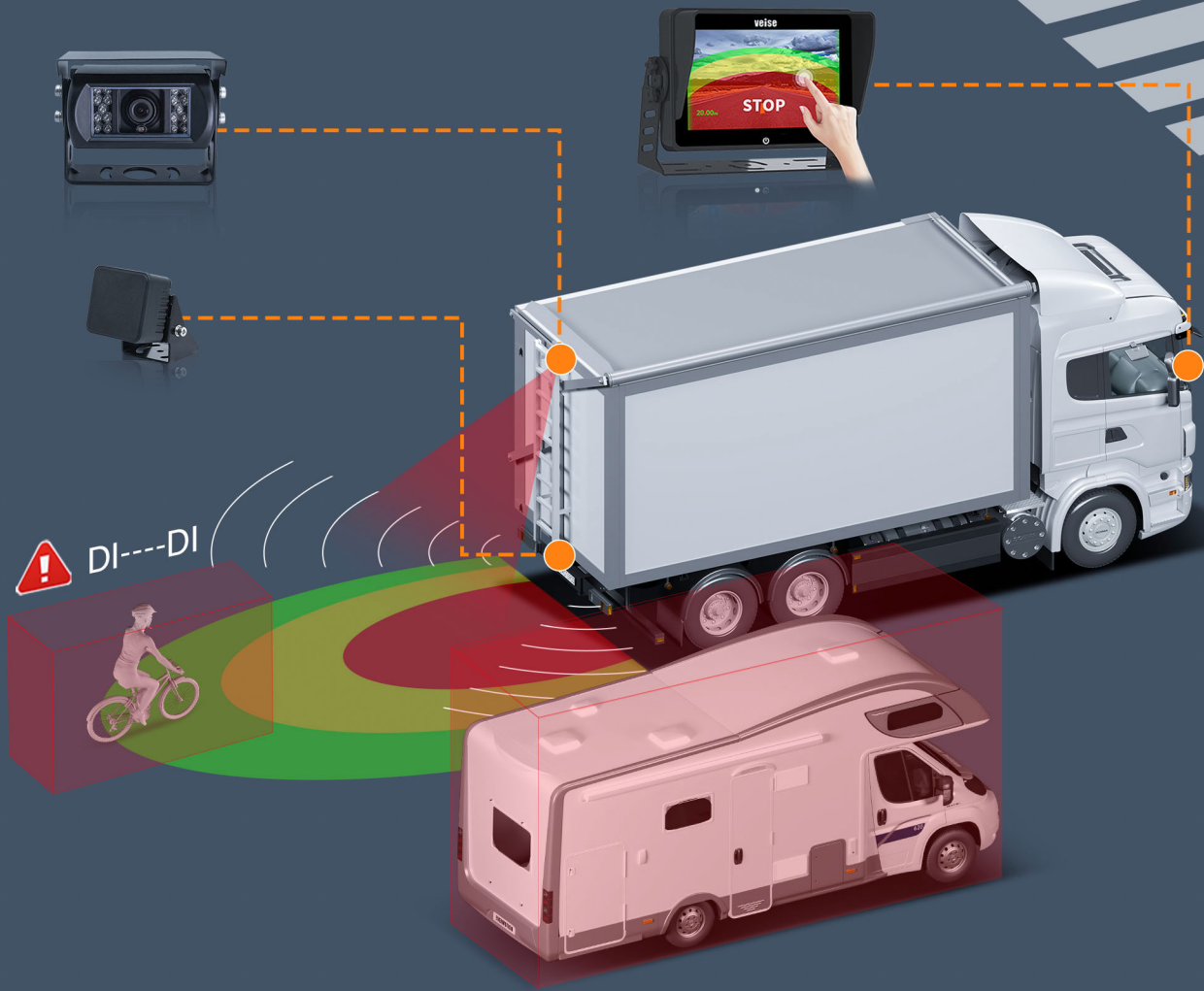


MHD-7134M-RM
7-inch HD monitor with
built-in radar AI algorithm



MHD-1034MD-RM
10.1-inch HD full-laminated
touch IPS monitor

Connection installation diagram



Vehicle Application



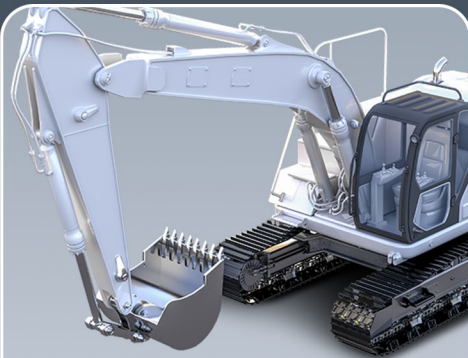
Stacker



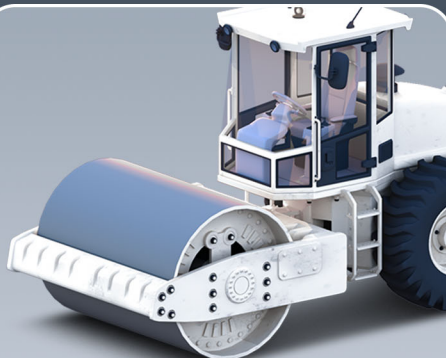
Bus



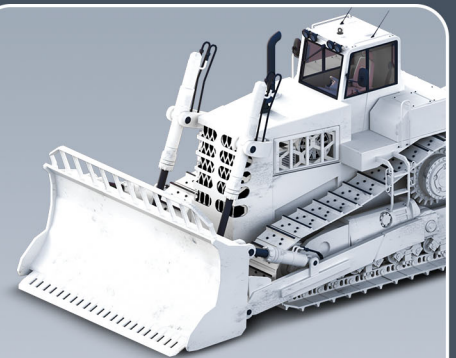
Lorry



Excavator



Road Roller



Dozer



Loader



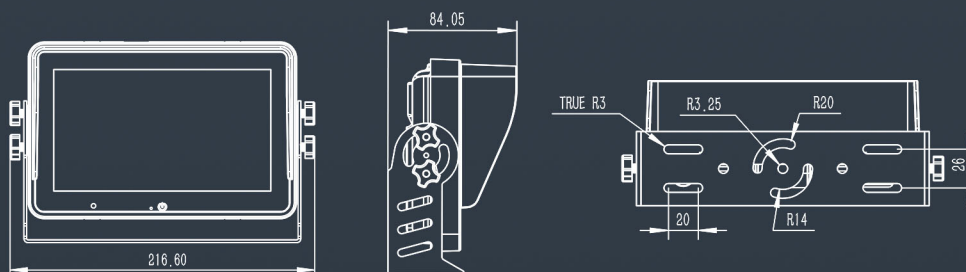
RV



Agricultural Machinery

Monitor technical parameters

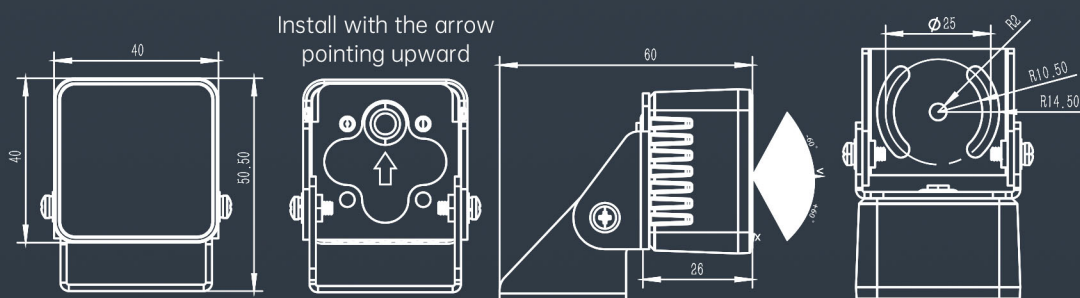
Model	MHD-715M-RM
Display Screen	7-inch HD full-laminated touch IPS monitor (capacitive)
Resolution	1024X 600
Viewing Angle(LR/UD)	L/R: 85/85 U/D: 85/85
Color System	PAL/NTSC (AUTO)
Video Resolution	1080P/720P/480P
Video Signal Input	CVBS/AHD720P/AHD1080P
Radar	Built-in millimeter wave radar intelligent algorithm processor
OSD Menu Functions	Mirror image/normal image setting, reversing delay setting, trigger priority, multi-language support
Video Format	AVI
Video Memory Card Type	TF card (Maximum support 512G)
Surge and Load Dump Protection	ISO 16750-2 Standard (24V System $U_s=174V$, $R_i=4\Omega$, $T_d=350ms$)
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-30°C ~ +80°C
Operating Voltage	DC 11~32V
Vibration Level	GB / T 2423.56-2018 Standard (Random 5G Vibration)
Dimensions (mm)	216X150X85(mm) (including bracket and sun hat)
Weight	800g



Unit: mm

Millimeter wave radar technical parameters

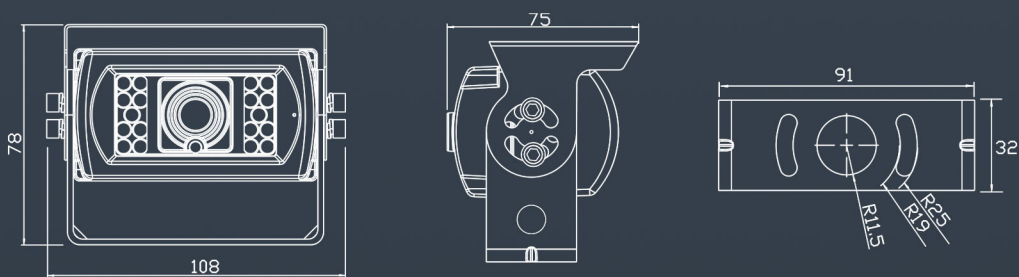
Model	DF-RM-77G-R-20M
Operating Voltage	DC9-24V
Power Supply Range	8V ~ 32V
Operating Temperature	-40°C ~ +85°C
Power Consumption	<2.5W
Waterproof Grade	IP67
Frequency Band	76~77GHz
Cycle Time	40ms
Communication Interface	RS485 baud rate: 115200bps
Distance Resolution	0.2m
Speed Resolution	1.9Km/h
Speed Range	±60Km/h
Detection Distance	20M
Number of transceiver channels	3TX*4RX
Antenna vertical east wave width (-6db)	120°
Antenna horizontal east wave width (-6db)	120°
Dimensions (mm)	40x40x24.5mm (without bracket)



Unit: mm

AI Camera Technical Parameters

Model	CHD-132M
Image Sensor	1/2.8 SONY
Effective pixels	1920X1080
Viewing Angle	130°
Minimum lighting	0LUX (Built-in infrared light on)
IR-CUT	Automatically switch between day and night modes
Housing Material	Aluminum Alloy
Waterproof Grade	IP69K
Operating Voltage	DC12V±10%
Operating Temperature	- 20°C~+60°C
Storage Temperature	- 30°C~+80°C
Vibration Resistance	GB / T 2423.56-2018 Standard (Random 5G Vibration)
Connector Style	4-Pin Aviation Connector



Unit: mm