

360° Camera



Product Overview

VST-AVM is a 360° panoramic intelligent driving assistance system, which adopts the latest image processing technology and real-time stitching technology, can provide a full range of real-time video display around the vehicle body, and provide users with a safer driving environment.

Strengths



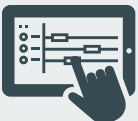
360° Vulnerable Road User Detection

Provide the Bird's Eye view with continuous VRU tracking around the vehicle



Road Shoulder Identification

Identify vulnerable road users on road shoulders to eliminate false notification and reduce disturbance to driver



15s Open-and-Shut AI Calibration

Provide complete transparent view around vehicle for better navigation



4K UHD Video Recording

Provide non-destructive video evidence retention in day and night

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360° Panoramic AI Solution for Filling Blind Spots



CA51 (B)
Backward Fisheye
Overlook View



CA51 (R)
Right Fisheye
Overlook View



CA51 (L)
Left Fisheye
Overlook View



CA51 (F)
Forward Fisheye
Overlook View



Display
360° Surround
Video Display

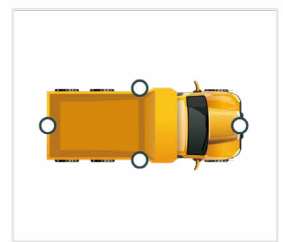
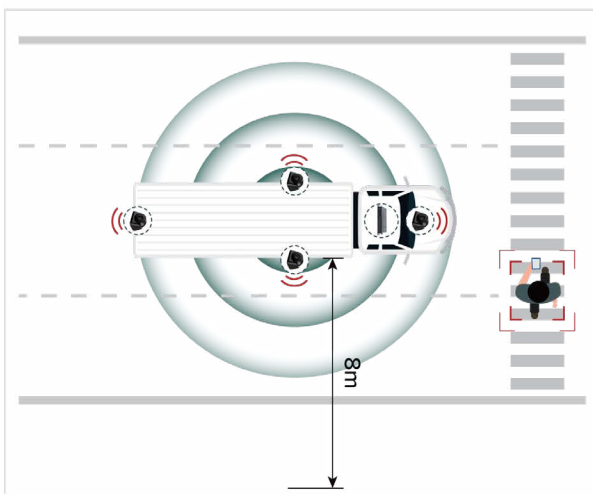


Horn
Dangerous Area
Pedestrian Approach Alert



AI-AVM
360° Panoramic
AI Detection

Great Vehicle Compatibility With Clear Guidance



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SPECIFICATION

Product name: AI-AVM		
System	Embedded Linux	
Language	Options: Chinese, English, Spanish, Portuguese (Latin American), French, Russian and Japanese Default: English	
	* The language includes both interface language and voice reminders.	
Startup time	9 seconds	
AI Function	360 Splicing ; BSD ; BSM ; LDW	
Video & Audio		
Video & Audio Recording	5-Channel video (Left view + Right view + Front view + Rear view + Four in one view), No audio	
Max. Capability	• 4ch*1080P@25fps, 4-Channel AI (Left BSD + Right BSD + Front BSD + Rear BSD) • 4ch*1080P@18fps+1ch*4K*15fps, 4-Channel AI (Left BSD + Right BSD + Front BSD + Rear BSD)	
Image Setup	Adjustable brightness, chroma, contrast, color saturation, and sharpness	
Video Coding	Options: H.264 and H.265, Default: H.264	
Encoding Standard	Options: VBR and CBR. Default: VBR	
Loudspeaker	External horn: 2W, with adjustable volume, not less than 70 dB at 1 m distance	
Video output	720P@25fps	
LED Indicator Status		
Light type	Function	Color
Square Light:	Power ON	Light ON ; Green
Parallelogram Light:	WI-FI AP mode (all pick)	Light ON ; Green
	WI-FI Client mode /disable	Light OFF ;
Storage		
Micro SD card	Micro TF card×2, (32GB/64GB/128GB/256GB/512GB) Read/write rate: Class 10 or above is recommended	
Sensor		
Six-axis Sensor	Reserved	
RTC	24-hour error less than ± 2s	
Port		
RS232	3-channel	
RS485	1-channel	
I/O Port	4-channel input ; 2-channel output	
CAN	1-channel (standard J1939 protocol) Vehicle manufacturers may customize data fields, so the final data depends on actual measurements. If data is unsupported, a protocol can be provided for integration	
USB	1 × USB 2.0 port	
Pulse	1	
IR	External IR + Remote control panel	
Network		
Wi-Fi	Support 2.4G (IEEE Std.802.11b/IEEE Std.802.11g/IEEE Std.802.11n)	
Bluetooth	Support Bluetooth 2.1/4.2 (Reserved)	
IP port	6 pin IP port (Use to connect with MDVR)	

SPECIFICATION

Positioning	
GNSS	Support External GPS Module
Consumption	Vibration
USB Charging	
Charging by dock	9V 1.6A
Charging by adapter	5V 3A; 9V 2A; 12V 2A; 5V 2A (longer charging time)
Charging power	12W
Consumption	Vibration
Power related	
Power supply	12V and 24V vehicles (self-adaptive, DC 9-36V)
Power consumption	AI-AVM: • Typical power consumption (with dual TF cards installed): about 11W • Full-load power consumption (with dual TF cards installed, Wi-Fi turned on, AHD connected): about 22W * The above data are test data obtained in a specific environment in the laboratory, and may vary with the individual product differences, service environment, and testing methods
Environment	
Operating Temperature	-40°C ~ +70°C (-40°F ~ +158°F)
Storage Temperature	-40°C ~ +85°C (-40°F ~ +185°F)
Operating Humidity	15~95% non-condensing
Storage Humidity	15~95% non-condensing
IP Rating	IP30
Dimensions and Weight	
Dimensions L×W×H	AI-AVM: L: 214* W: 112* H:33 (mm)
Weight	• AI-AVM (Only Device) Net weight (device only): 0.62kg • AI-AVM (kit) Gross weight (including accessories and package): 1.479kg Deviation: ±10g
The actual dimensions and weight may vary with the individual product differences, manufacturing processes, and testing methods.	
Package Contents	
• AD Plus 2.0: AI-AVM ×1, 20PIN plug signal connection wire x 1, 32PIN plug signal connection wire x 1, Speaker×1, G-mouse ×1, IR Receiver ×1, WI-FI Antenna×1, Remote Control Panel X1, Screws, WrenchX1;	
* Contents may vary depending on the region and specific requirements	



SPECS



620g/1.479kg



-40°C ~+70°C



214 L × 112 W × 33 H (mm)



15-95% non condensing

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Your Safety is OUR Priority