

HV-4ACAR-A01

Vehicle-mounted Intelligent Video Terminal

HV-4ACAR-DVR series of vehicle-mounted intelligent video terminals, integrating multi-core processor, AI algorithm module, audio/video module, positioning module, communication module, storage module, external interface and other modules, can realize the functions of high-definition monitoring, information collection, driving record, passenger flow collection, active safety, etc., which is suitable for public transportation, passenger transport, logistics, tourist buses, park shuttles, school buses and other industries.



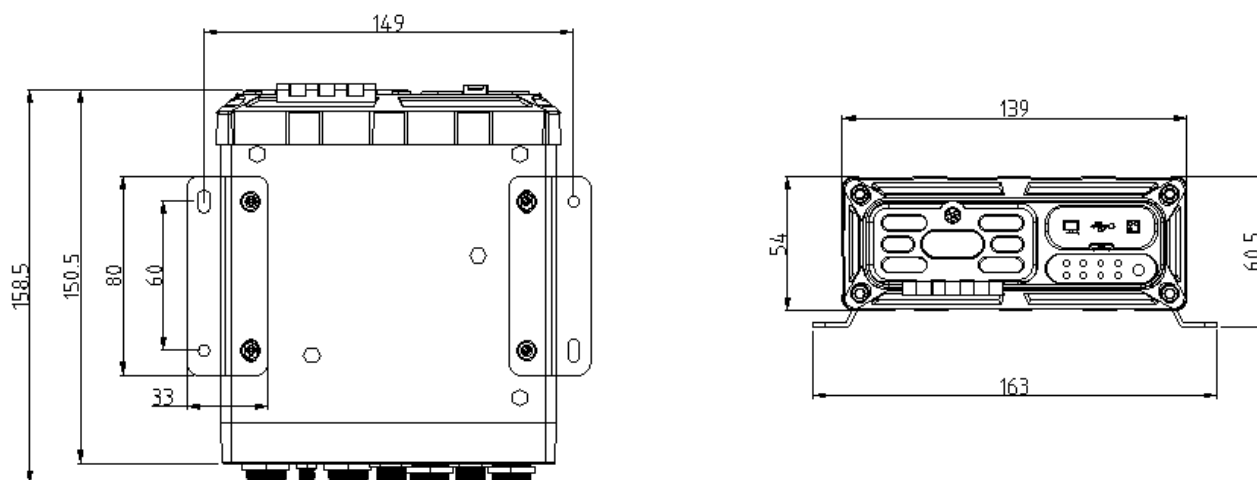
Product Characteristics

- Dual ARM cortex-A55@1.0GHz;
- DDR4 2/4GB, EMMC 8GB;
- 2.5Tops INT8 NN Acceleration engine to support AI scenario applications such as passenger flow and active safety;
- Linux embedded OS, stable and reliable performance ;
- GPS&BDS Dual-mode positioning, supports ADR inertial assisted positioning and RFID/BLE positioning extension at the same time ;
- Support 4G full network communication, and 5G communication expansion ;
- Support 1 channel 100Mbps Ethernet communication mode ;
- Support 2*SD card+1*SSD hard drive dual storage mode ;
- Support H.265/H.264 codec, support up to 6-way AHD + 1-way IPC, maximum resolution support 1080P ;
- Wide voltage design, can be adapted to a variety of vehicle environments ;
- Software: <https://github.com/openhisilicon/HIVIEW> .

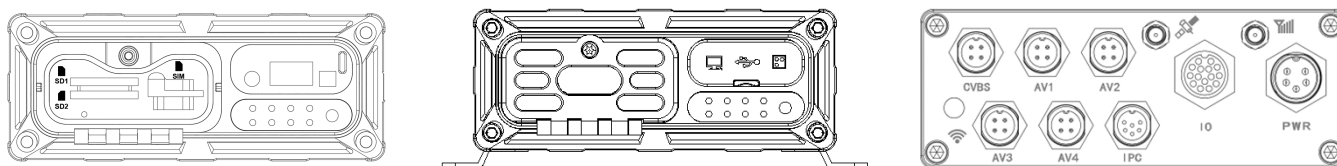
Technical parameters








Product Model		HV-4ACAR-DVR
System	CPU	Dual ARM cortex-A55@1.0GHz;
	DPU	With binocular depth map acceleration unit
	NPU	2.5Tops INT8 NN acceleration engine, supporting customization of algorithmic scenarios such as ADAS, DMS, passenger flow, 360, BSD, etc.
	RAM	LPDDR4, 2GB
	OS	Linux
	Control style	Mouse, touch screen
	Language	Chinese/English
Hardware Module	Location	Support GPS/BDS dual-mode positioning; support ADR inertial guidance assisted positioning; support RFID/BLE assisted positioning expansion (external expansion)
	Communication	Support 4G/5G communication; support 100Mbps Ethernet communication;
	Storage	Support 2*SD card storage (capacity optional); support 1*SSD hard disk storage (capacity optional)
	Sound and video	H.264/H.265 codec, 4K@30fps ISP image processing capability; support multi-protocol voice codecs
	Power failure delay	Built-in power failure delay module, with system data protection delay function after power failure
Interface	Video Input	6CH AHD (1080P) + 1CH IPC
	Video Output	1CH AHD video output (rear panel) + 1CH AV composite video output (front panel)
	Audio Input	4/6 analogue audio inputs + 1 digital audio input
	Audio Output	1 analogue audio output
	SIM	1
	SD	2
	Disk	1 SSD, M.2 interface (internal)
	USB	1 front panel (Type-A connector), 1 rear panel (airline connector)
	RS232	1
	RS485	1
	Alarm Input	1
	Alarm output	1
	network antenna	4G: 1, 5G: 2
	Positioning antenna	1
Others	Power Input	Input: DC 8~36V/DC12V; Output: 12V/1A, 5V/0.5A
	Power Consumption	Standby power consumption: < 0.1W, Work power consumption: < 12W (Camera, display screen not included)
	Operating Temperature	-25°C~75°C
	Storage Temperature	-40°C~+85°C
	Relative Humidity	10%~90%
	IP Rating	IP65
	Size	158.5 (L) *163(W)*60.5(H)mm (Includes bracket)



Size



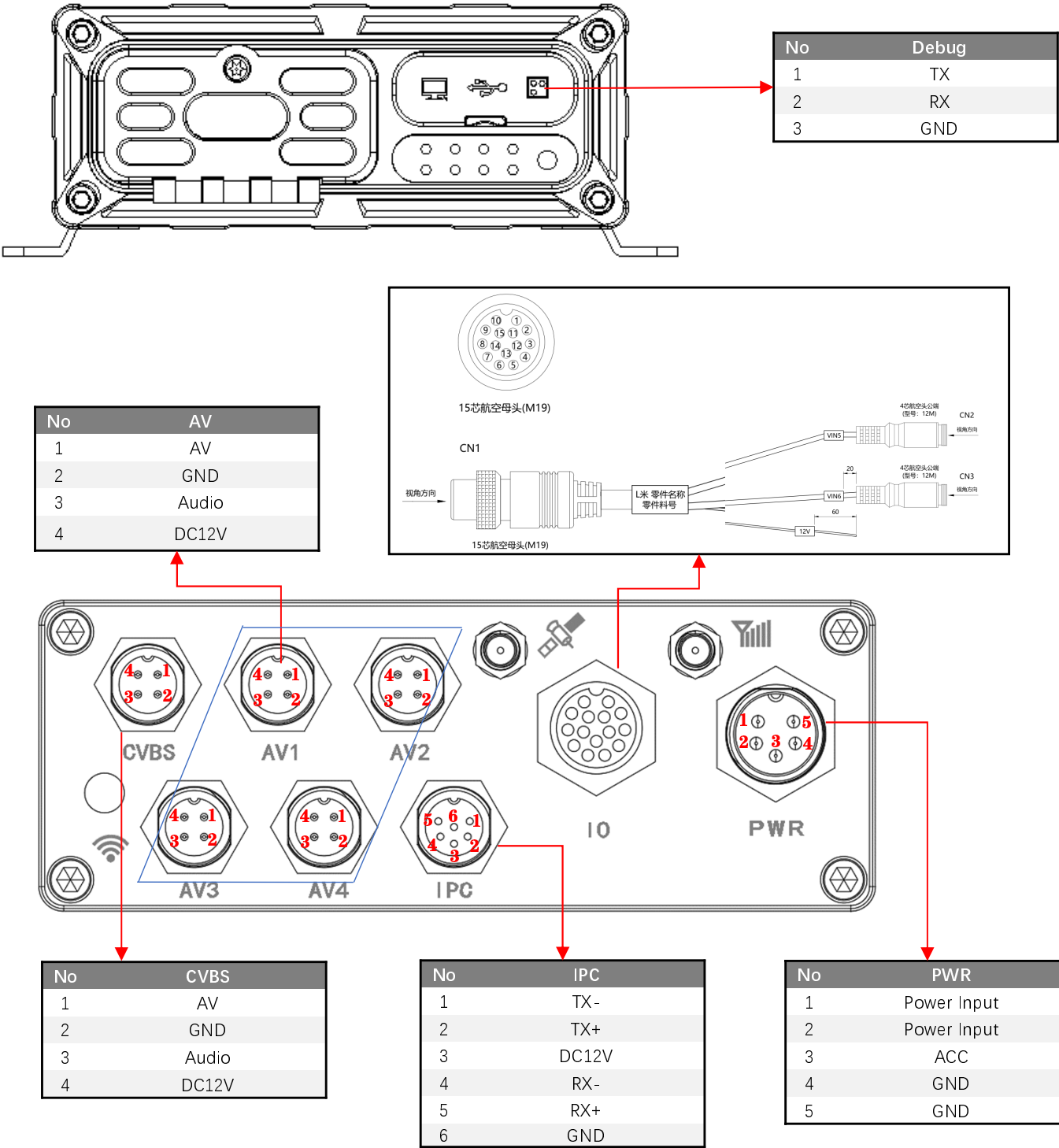
Product Interface



No	Silkscreen	Note
1	 SD1	SD Card No.1 slot
2	 SD2	SD Card No.2 slot
3	 SIM	SIM slot
4		USB
5		AV Output
6		Debug
7		Signal indicator

No	Silkscreen	Note
8	CVBS	Video Output
9	AV1~4	Video Input
10	IO	Signal Integration Bus Interface
11	PWR	Power connector
12	IPC	Network interface
13		Positioning Antenna Interface
14		Network antenna interface

Interface definition



Ordering Model

Model	Note
HV-4ACAR-A01	4ch AHD+1ch IPC, DC8~36V, 4G
HV-4ACAR-A02	4ch AHD+1ch IPC, DC24V, 4G
HV-4ACAR-A03	4ch AHD+1ch IPC, DC24V, 5G
HV-6ACAR-A01	6ch AHD+1ch IPC, DC8~36V, 4G
HV-6ACAR-A02	6ch AHD+1ch IPC, DC24V, 4G

attention :

- The same model may have multiple versions of the product, different versions of the product there will be differences (including functional parameters, LOGO design, appearance details, product information, etc.), please prevail in kind! ;
- In order to avoid receiving the product and the actual demand is not consistent, before purchasing, please be sure to get in touch with our company, communication to confirm the specific needs before placing an order!.

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