



NVMe SSD AI Mobile DVR

MD600



ADAS & DMS FOTA FOTA Update BLE/Wi-Fi Self-Check Blind Spot Detection

RS232/RS485/CAN Interface GPS & MDVR Dual System Max. 6CH 1080P Video Recording

Main Features



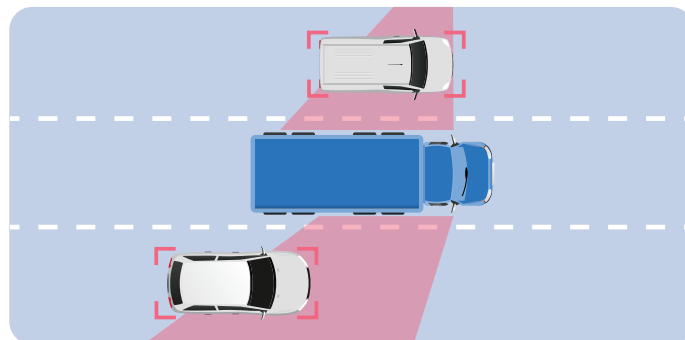
Real-time Video Monitoring



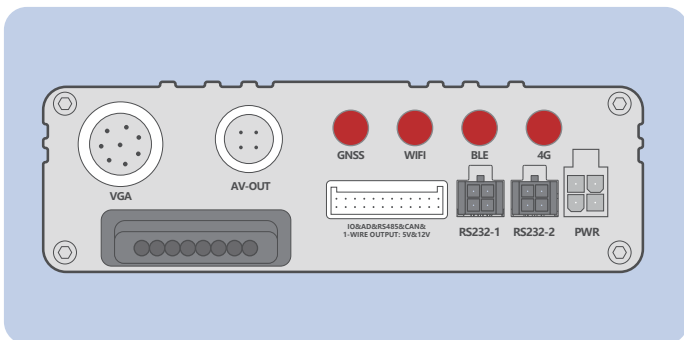
Advanced Driver-Assistance System



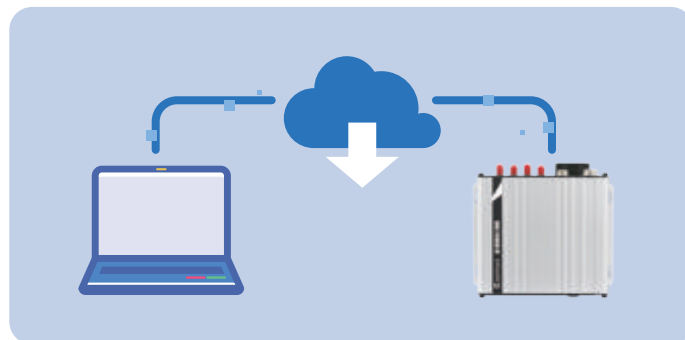
Driver Monitoring System



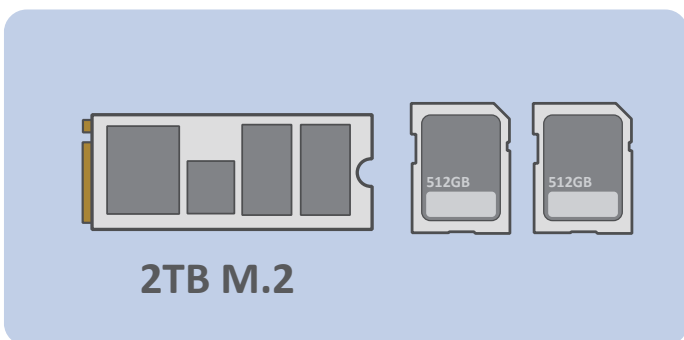
Blind Spot Detection



RS232/RS485/CAN interface



FOTA Update



2TB M.2

2TB M.2 SSD & 2*512GB SD



Parameter Configuration via the APP

Main Device



MD600 MDVR



Power & ACC cable



I/O cable



USB configuration cable



GPS Antenna



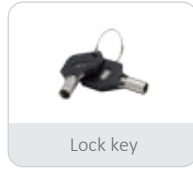
WiFi antenna



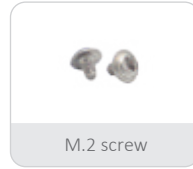
4G antenna



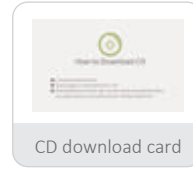
Bluetooth antenna



Lock key



M.2 screw



CD download card

Optional Accessories



• ADAS Camera



• DMS Camera



• AHD720P/1080P small metal conch camera



• Waterproof square camera 720/1080P



• Waterproof square camera 1080P



• Side mounted waterproof camera 720/1080P



• Hoist waterproof camera 1080P



• 3/5/8/10/15M extension cord



• Intercom handle



• 7-inch VGA display



• 7-inch CVBS display



• Bluetooth temperature and humidity sensor



• Bluetooth beacon



• Bluetooth beacon



• Fuel sensor (voltage AD)



• Capacitive oil sensor (voltage AD)



• 12V/24V relays



• iButton card reader



• Ultrasonic Fuel Sensor (Range 100cm)



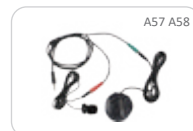
• Ultrasonic Fuel Sensor (Range 250cm)



• Ultrasonic Fuel Sensor (Range 400cm)



• Ultrasonic WIFI serial port debugging tool



• Microphone + speaker + connector cable



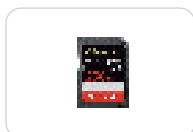
• RFID reader +ID card



• High temperature batteries



• Digital temperature sensor



• Memory card



• M.2 hard drive

Specifications



Power supply	Rated voltage	DC: 11.4V ~ 36V, Rated 12V/3A
	Power consumption	Startup power consumption for the host with audio and video: about 6W Daytime: about 24W with 6-way cameras, and about 29W with a display added; Nighttime: about 32W with 6-way cameras, and about 37W with a display added; When connected to a single camera, the normal range is 50mA~100mA during the day, and 200mA~250mA at night.
AI	AI Video	ADAS, DMS
Storage media	SD Cards & SSD	1*M2 SSD and 2*SD cards; capacity: 2TB + 2*512GB; supports PCIe*2 and PCIe*4 NVME Protocol M.2 NGFF SSD (2280 specifications)
System structure	System operation	Dual-system operation, dual-channel communication (to prevent data loss)
Audio and video	Video input	6 channels for AHD cameras with D1/720P/1080P cameras arbitrary mixing; Adaptive camera resolution and format (PAL and NTSC); Up to 6*1080P@15fps live recording
	Video output	1 channel for VGA video output (8-Pin aviation plug), max. 1080P, adapt to the display resolution 1 channel for CVBS aviation plug (level: 1.0Vp-p, impedance: 75Ω); Resolution: PAL 704*576, NTSC 704*480
	Compression standard	H.264/H.265 configurable
	Image display	Support 1 or 6 images display
	Audio input	6 channels for camera MIC input. The camera should support audio. 1 channel for intercom handle input; 1 channel for 3.5mm headset input (GSM communication interface)
	Audio output	1 channel for independent audio output (paralelly connected to the AV-OUT interface, VGA aviation plug interface and intercom handle interface) 1 channel for 3.5mm headset output (GSM communication interface)
	Audio compression	G.726/G.711a/AAC
	Video request and playback	Retrievable playback by channel, video type, bitstream type and time
	Recording method	Normal recording and alarm recording; audio and video recorded simultaneously
	WiFi/BLE/GNSS	WiFi
Bluetooth		Supports master-slave dual mode, can read the bluetooth accessories, and can configure parameters through the APP
Positioning mode		GPS/GPS_BEIDOU/GPS_GLONASS
Positional accuracy		2.5 m
Sensitivity		-162 dBm
GNSS antenna		Supports antenna insertion/extraction/short circuit detection
Protocol	Protocol supported	JT/T 1078-2016, JT/T808-2019 Meitrack protocol (CCE) and RTMP (an Audio/Video Transport Protocol, also compatible with the Meitrack Audio/Video Private Transport Protocol)
Other	SPI memory	Built-in 64Mbit for storing GPRS/SMS/GPS LOG data
	Working temperature	-20°C to 70°C (without battery)
	Sensors	6-axis acceleration sensor
	I/O Port	Main cable interfaces: 8*Din (Max 8*Din) + 2*Dout(Max 8*Dout) + 2*AD(Max 6*AD) + 1*Speed_IN + 1*1-wire + 2*RS485 + 1*CAN + 1*DC_5V + 1*DC_12V Other interfaces: 2-channel for RS232, 1-channel for ACC
	RS232 (optional)	Thai DLT certification
	Dimensions	120*154*63mm
	Weight	740g (excluding accessories)
Frequency band	MD600	GSM: B3/B8 WCDMA: B1/B8 LTE-FDD: B1/B3/B7/B8/B20/B28 LTE-TDD: B38/B40
	MD600-E	GSM: B3/B8 WCDMA: B1/B5/B8 LTE-FDD: B1/B3/B5/B7/B8/B20/B28 LTE-TDD: B38/B40/B41
	MD600-A	WCDMA: B2/B4/B5 LTE-FDD: B2/4/5/12/13/14/66/71
	MD600-AU	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B4/B5/B8 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B28/B66 LTE-TDD: B40
	MD600-J	WCDMA: B1/B6/B8/B19 LTE-FDD: B1/B3/B8/B18/B19/B26 LTE-TDD: B41
	MD600-G	GSM: B2/B3/B5/B8 WCDMA: B1/B2/B4/B5/B6/B8/B19 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B38/B39/B40/B41



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