MOBILE DVR (MDVR)

MDVR products are integrated with the latest modules and technologies in one. These MDVRs are capable to connect up to 12 channels of vehicle cameras and intelligently execute complex analytic tasks to achieve functions like DMS and ADAS. Thanks to the reliable designs and years of model's improvement, MDVR solution can be applied to different vehicle industries: logistics, oil and gas, taxi, bus, police car and so on.

FEATURES

- Most cutting-edge vehicle-specialized processor to transfer a more stable and decent video quality
- Up to 12 channels video recording channels and various types of vehicle cameras
- Built-in latest communication modules, to ensure cover essential bands & data transmitting needs
- Rich interfaces Features with various I/O to collect data from different sensors and peripherals
- Durable structure tested by professional institute, to endure all the potential environmental impact in vehicle application

- Integration of tracking, video monitoring, DMS, ADAS, BSD, etc.
- Extendable features of AI detection, best cost-effectiveness
- AI chipset supplier is same for the best drone company in the world
- 20+ times of intelligence detection speed than normal MDVR
- Best DMS and ADAS algorithm
- High Accuracy by machine learning, upgraded by OTA
- Open for embedding customer's algorithm

APPLICATIONS

SCHOOL BUS DEMAND AND CHALLENGE

- Accidents and lack of fast rescue
- No info of children boarding status
- Overloading
- Bad Driver's behavior and safe driving

SOLUTION

- RFID for driver and student attendance
- Built-in G force sensor which can monitor driving behaviors
- Route monitoring by software platform
- Phone APP for parents monitoring

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SPECIFICATION

System	
Operating Language	English/Chinese (Russia, Portuguese, Spanish, etc. can be customized)
Operating Interface	Graphical menu interface (OSD menu)
Password Security	Two level managements: user password/admin password
Video	
Video Input	4ch CIF/HD1/D1/720P/1080P AHD camera record and playback simultaneously
Video Output	VGA and AV OUT(4PIN Aviation Interface), 1-4ch display
Video Standard	PAL/NTSC
Video Compression	H.264/H.265 Main profile: PAL: 1080P(15FPS),720P(25FPS); NTSC: 1080P(15FPS),720P(30FPS)
Audio	
Audio Input/Output	4ch/1ch
Record mode	Audio and video are recording simultaneously
Interface	
1-wire	2
Analog input	2
IO input/output	6* Alarm inputs, 2* alarm outputs, 1* 12V output (Under 1V: Low alarm; Above 5V High level alarm)
RS232/RS485	2*RS232 +1*debug RS232, 1*RS485
USB port	1x USB2.0. Front panel USB
Ethernet port	6 pin aviation interface: local network, or IP camera
Storage	
Main storage	Support 1x 2.5-inch HDD or SSD; Max. 2TB
Backup storage	Support 1x SD card, max. 256GB
Network/GPS/G-sensor	
Wi-Fi	Built-in WIFI communication module (2.4/5.8GHz optional)
4G	Support Built-in 4G communication module (FDD-LTE/TDD-LTE) optional
GPS	Built-in GPS module(GPS & GLONASS module for option)
G-sensor	6 axis G-sensor (3-axis gyroscope + 3-axis accelerometer G-sensor)
Power	
Power input /output Input	+8 to +36V: Output: 12V (+/- 0.2V), the maximum electric current: 2A
Cold boot up time	<30 second
ACC detection	≤4V: Device OFF;≥5V: Device ON
Environment	
Temperature	-40°C to 70°C , in a well-ventilated environment ; support HDD heater
Machine size	220*188*55mm
Software	
PC client / Player	Playback video file in the PC-by-PC client software or Player, and analyze the vehicle information in the file
Upgrade	Upgrade by SD card / USB upgrade