

M52 8D1 MDVR

8-Channel Industry-Grade Mobile DVR Integrating 3/4G, Wi-Fi, GPS and Voice Conversation



1. Product Introduction

1.1. Overview

M52 MDVR is a high-end mobile hard drive DVR dedicated for mobile surveillance market. Applying high-speed processor and embedded operating system and integrating various state-of-the-art technologies of IT industry, such as audio/video codec technologies, large-capacity hard drive storage technologies, stream media network technologies, video/audio noise reduction technologies, mature damping technologies and wide voltage design, it features concise appearance, flexible installation, powerful functions and safe and reliable system.

1.2. Specifications

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Item	Description	
OS	Linux	
Graphics Operation Interface	System parameters can be set through external display and remote controller	
Security Management	2-level management for user password, administrator password, supporting encrypted transmission	
Video and Preview	Video Input, Output	8-channel video input, 1channel video output; 1.0Vp-p, 75Ω
	OSD	Character superposition function, information superposition of time and date, device ID and GPS, etc.
	Video Compression Format	Compression coding. Applying H264 hi-performance processor.
	Dual-Stream	Supported
	Preview Function	Preview of 1-channle, 8-image stitching, supporting full screen triggered by event and switching of stitched images
	Frame Rate	PAL: 100 frames/s, up to 25 frames/s per channel; NTSC: 120 frames/s, up to 30 frames/s per channel
	Resolution	CIF, D1 for selection, supporting 8 channels of D1 at the most
	Bit Rate	CIF: 384Kbps ~ 1.5 Mbps, frame rates for selection D1: 512Kbps ~ 2Mbps, frame rates for selection
Audio	Audio Input, Output	8-channel input, 1-channel output
	Compression Format	G.726 coding
Recording	Storage Medium	Supporting one 2.5" hard drive and one SD card, which supports up to 64G, supporting data redundancy storage technology;
	File Format/System	ASF/FAT32
	Video Strategies	Recording at startup by default, supporting timed recording, recording triggered by alarm and event, as well as manual recording
	Video Search	Searching by time, type, storage device and other conditions
	Video Playback	Supporting playback on local device, supporting synchronous playback of up to 8 channels and analysis on vehicle information in the files Supporting fast forward, fast backward, play and pause, supporting fast forward and fast backward at 2x, 4x, 8x and

		16x speed, supporting file play from selected time
Alarm	Alarm Input/Output	4-channel on/off signal alarm input, 1-channel on/off signal alarm output
	Alarm Recording	Prerecording function 5 seconds before alarm, duration of recording after alarm can be adjusted from 30s ~ 30min
	Storage Space Alarm	Supporting settings for alarm of storage space
	Function Alarm	GPS over speed, low speed alarm, video lost alarm , acceleration alarm
	Alarm Linkage	Link channel 8 zoom out, link IO output.
Communication Ports		RS232, RJ45 10M/100M self-adaptable network interface
Wireless Transmission (Optional)		Embedded 3/4G wireless transmission module, FDD/TDD, WCDMA, CDMA2000, TD-SCDMA system for selection; Compatible with GPRS, EDGE; Option Embedded Wi-Fi module, support wifi Ap function, Maximum 300Mbps speed;
GPS (Optional)		Supporting external GPS
Remote Data Transmission Channel Selection		Supporting 3/4G, Wi-Fi data channel transmission, supporting Wi-Fi priority transmission strategy; supporting remote downloads of back-end recording strategies;
PTZ Control		Supporting PTZ control realized by local ad client software;
Parameter Configuration		Supporting parameter configuration functions for mobile DVR coding channel;
G-Sensor		Embedded
System Upgrading		Supporting SD/HDD upgrading and net remote upgrading
Power Supply and Power Consumption	Power Supply	1. ACC on/off 2. Hard drive lock on/off 3. Delayed shutdown 4. Timed on/off
	Input Voltage	DC:+8V ~ +36V
	Output Voltage	+12V@4*0.5A; +5V@0.5A
	Power-off Protection	With patented UPS power supply continuous working technology, it can work for 3~5 seconds after external power supply is cut so that the intactness of video data can be kept upon sudden power failure
	Power Consumption	<10W in normal operation; <0.5W in standby mode
Operating Environment	Temperature	Normal: 0℃ ~ +60℃; upon hard drive preheating: -25℃ ~ +60℃
	Humidity	10% to 95%
Dimensions		198 (W) x 64 (H) x 186(L) mm.
Weight		Net: 2KG