



WD10 HDD MDVR

Technical Specifications



1. Product Introduction

This series of products is a multi-performance car hard disk recorder, using the international mainstream video H.264, 265 main profile coding format, audio G.726 encoding, high compression ratio, clear image, small disk space, unique UPS technology (equipped with Farad capacitor), using wide power supply 10-36V DC input, support large-capacity 2TB hard disk, USB backup, small appearance, ultra-low power consumption, simple operation and installation, strong stability, widely used in the mass market.

2. Features

- ◆ Industrial-grade design, small appearance, ultra-low power consumption, easy installation, strong stability.
- ◆ Military-grade highly reliable aviation head input and output interface, easy installation and insertion, stronger seismic performance.
- ◆ Professional on-board power supply design, 10-36V DC wide voltage input; Overload undervoltage short circuit reverse connection and other protection circuits, suitable for all kinds of vehicles.
- ◆ It adopts international mainstream video H.264, 265 main profile encoding format and audio G.726 encoding, with high compression ratio, clear image and small disk space occupation.
- ◆ Provide 12VDC power output, which can provide constant voltage power supply for multiple peripheral devices such as cameras and small screens.
- ◆ Abnormal restart function protection of watchdog, which can better protect the machine and video.
- ◆ Support max 1x2T hard disk and 1x256GB SD card, which can completely resist data damage caused by vibration dust on the car.
- ◆ Exclusive pre-allocated dedicated file system technology to solve the file fragmentation caused by repeated erasing and writing, and ensure the integrity of data.
- ◆ Flame-out time-lapse recording function (time can be set up to 24 hours).
- ◆ Power failure protection function under accident, using professional UPS technology to ensure the integrity of video files under unexpected power failure, convenient for accident inquiry.
- ◆ The supporting client platform provides real-time monitoring, monitoring intercom, playback, video, high-definition screenshots and other functions.
- ◆ Support mobile phone remote monitoring, support mobile phone 3G/4G call function.
- ◆ It has a variety of upgrade methods for SD card, hard disk, U disk and platform remote upgrade, and adopts partition backup technology to upgrade without crashing.
- ◆ Support the simultaneous use of multiple algorithms such as passenger flow statistics, DMS, ADAS, and BSD.
- ◆ Ultra-simple system interface, smooth operation, intuitive and easy to understand functions.

3. Specification

Item	Parameter	Description
System	Operational language	Chinese. English, Others (customizable)
	Operation interface	Graphical menu operation interface (OSD menu)
	Password security	Two-level management of user password and administrator password
Video	Video input	4/8 video input
	Video output	There are two video output modes of VGA and aviation head interface
	Video resolution	Support 1080P. 720P, D1, HD1, CIF, etc
	Video loop recording	Support SD card automatic loop recording and loop overlay (auto default)
	Video mode	Support boot recording, timing recording, alarm (trigger) recording
	Image compression	H264/H265
Display	Preview features	Supports single and multi-view
	OSD overlay display	Channel name, time, recording status, resolution, license plate, GPS information, etc
Alarm	IO alarm	4 IO alarm inputs, with alarm linkage function
Communication interface	RS232 interface	1CH RS232, expandable card machine, oil sensor, LED advertising screen, etc
	RS485 interface	1-way 485 interface, expandable gimbal
AI capabilities (Extensible)	Passenger counting	1 door passenger counting
		2 doors passenger counting
		3 doors passenger counting
		4 doors passenger counting
	DMS	Fatigue (closed eyes, hatcher) detection alarm
		Occlusion camera detection alarm
		Receiving and receiving phone calls to detect alarms
		Face loss detection alarm
		Distraction detection alarm
		Smoking detection alarm
	ADAS	Occlusion camera detection alarm
		Lane departure detection alarm
		Pedestrian detection warning
		Vehicle distance detection and warning
BSD	Left blind zone detection alarm	

		Right blind zone detection alarm
Platform	Remote monitoring platform	Real-time monitoring, monitoring intercom, playback, video, high-definition screenshots, GPS data, alarm data upload
Others	Power consumption	≤10W
	Operating temperature	-20°C to +70°C
	Operating humidity	20% to 80%
	Size	161 (D) * 159 (W) * 63 (H) mm
	Net weight	1.119KG
	Power input	DC +10V - +36V