

VXDR4 AI SD CARD MDVR Specification

1、Product Picture and Function



Front of MDVR



Back of MDVR

2、Product Features

- H.265 & H.264 is used to encode and decode, with high compression ratio, saving storage space and transmission flow.
- 4CH AHD video input, Support 720P or 1080P cameras.
- Support 1-channel AHD video output;
- Support 2 audio input, 1 audio output; 1 way voice intercom; Can be external speaker;
- Support one SD card to record video manually or regularly.
- Support 1 USB 2.0 interface, can be used to export video files or external USB WIFI do AP;
- One SIM card can be used to dial the Internet.
- Support 4-channel IO alarm input, 2-channel IO output, support 2CH RS232.
- Optional support WiFi /4G communication and external GPS positioning.
- Support mobile app, client, platform software preview video and parameter configuration.
- Special file system, improve the efficiency of disk reading and writing, video more stable.
- Built in AI intelligent algorithm, support ADAS, DMS, BSD detection

- Industrial appearance design, aluminum alloy shell, product fastening, good heat dissipation.

3、Product Specification Parameters

Type		Technical Specifications
		4 Channel
System	language	Chinese / English
	Operating system	Linux
	Operation interface	Graphical menu operation interface (OSD menu), character overlay function.
	GUI	Support mouse and remote control operation to set system parameters
CPU	CPU	Dual-core CPU @1.4GHz, NPU@1.0TOPS
	Memory	256MB DDR3
Video recording system	Video input	4CH AHD input, 1.0Vp-p, 75 Ω
		Support camera resolution: 720P/1080
	Video output	1CH AHD output, Support full screen and 4 channel segmentation
	Video format	PAL /NTSC
	Video compression	H.264/H.265
	Preview function	Support full screen and 4 channel split preview, support manual / event triggered full screen display function
	Video Resolution	Support 720P、D1、HD1、CIF optional, the total encoding resource is 1080p 60 frames
	Video quality	Level 1 to 8, best level 1, lowest level 8
	Video rate	PAL: 100FPS/s , CCIR625 line,50 games NTSC: 120FPS/s, CCIR525 line,60 games CIF: 256Kbps ~ 1.5Mbps, Multi level image quality HD1: 600Kbps ~ 2.5Mbps, Multi level image quality D1: 800Kbps ~ 3Mbps, Multi level image quality 720P: 1Mbps-4Mbps, Multi level image quality 1080P: 1Mbps~8Mbps, Multi level image quality
	Recorder mode	Default automatic recording, support ignition recording, alarm recording
Audio	Audio input	2-channel analog audio
	Audio output	1 channel, built-in power amplifier, optional built-in and external
	Audio compression	G.711A
	Recording mode	Simultaneous recording of sound and video
Alarm input		4-way switch input
Alarm output		2-way output, linkage sound and light alarm, oil and power cut.etc
Communication interface		1 USB interface
		2 CH RS232 interface, expandable card reader, oil sensor. etc
Extension interface		1 CH voice intercom interface, which can be connected to the call handle
		Multi function control panel can be connected (support 12V output and

		RS232 communication)
Wireless transmission		Optional 4G function, TDD-LTE, FDD-LTE
		Optional external USB WIFI accessory or optional built-in WIFI module WIFI 802.11b/g/n Wireless communication module
GPS location		Optional GPS / BD module
Sensor		Built in 3-axis acceleration
Disk	SD card	1 SD card video, maximum support 512g, can support synchronous sub stream video
	Upgrade mode	Support u disk upgrade, SD card upgrade, FTP remote automatic upgrade
	Storage mode	Proprietary bare disk storage mode
	USB	Front USB interface, can use U disk to upgrade backup data, support USB mouse,USB WIFI for AP spot
Playback	Video search	Search for videos by recording time, recording method,etc
	Playback	Support 4CH synchronous playback, support 2/4/8/16x fast forward or backward
AI algorithm	ADAS	Lane departure detection, pedestrian detection, vehicle distance detection
	DSM	Fatigue driving test and unsafe driving behavior test
	BSD	Left blind area, right blind area detection
Power supply and power consumption	Power	Adaptive wide power input, with overload, undervoltage, short circuit, reverse connection and other protection functions; Support timing switch, delay shutdown function.
	Input voltage	DC:+9V ~ +36V
	Output voltage	+12V@1A
	Power waste	<5W (Without peripherals)
work environment	Temperature	-20℃ to +70℃
	Humidity	20% to 80%
Security management		Two level management of user password and administrator password
Platform access		JT/T808-2011, JT/T808-2019
		JT/T1076-2016, JT/T1078-2016
		CMSV6
Appearance size		120*120*46mm
Net weight		450kg