

DHI-DAE-MXVR9124-GFWI

24 Channels H.265 AI Mobile Video Recorder



System Overview

Developed on the new-generation platform, the MXVR9124 is a high-end intelligent driving recorder that integrate video capturing, active security, human face detection, license plate detection. This device can be used in kinds of solutions for different applications.

Functions

Multiple Channels Access

Supports 12-channel analog cameras and 12-channel 1080P IPC, realize multi channel access, and meet needs of multi directional preview of in-car images.

Intelligent Algorithm

Highly integrated intelligent algorithm supports ADAS, DSM, BSD, HOD, face recognition and ANPR.

Analog Video and Audio

Analog video and audio ports can be connected to third-party (AHD/CVBS) sound-pickup camera, which is convenient for customers to carry out project renovation.

Multiple Video Output

Supports CVBS/VGA/HDMI/coaxial HD output.

Scene

This product is mainly used in public transportation, long-distance passenger transport, police patrol, urban management patrol, cash transportation, dangerous goods transportation, logistics transportation and other mobile monitoring industries, and can also be applied to other harsh environmental conditions of video surveillance.

- Supports 12-ch analog cameras and 12-ch IP cameras input
- Supports H.265/H.264 video compression
- Supports one 3.5-inch HDD (up to 12TB) and one SD card (up to 256GB).
- Supports DSM/ADAS/BSD/HOD/Face Recognition/ANPR
- Supports CVBS/VGA/HDMI/coaxial HD output.



Technical Specification

Video and Audio

Video Input	24 (12-ch analog + 12 IPC) <i>Note: IPC connector is 6 pin aviation.</i>
Dual-Stream	Support (up to D1 encoding for sub stream)
Encoding Resolution	Main-stream: 1080P/720P/960H/D1/CIF Sub-stream: D1/CIF
Video Output	1-ch VGA 1-ch CVBS 1-ch HDMI 1-ch coaxial HD Output resolution: 800×600/1280×1024
Split Screen	1/4/8/9/16/25
OSD Overlay	Channel, time, GPS position, license plate
Video Compression	H.265/H.264
Audio Encoding	G.711A/G.711U/PCM

Wireless Network

4G Bands	Eurasian Version: LTE-FDD: B1/3/5/7/8/20 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GSM: B3/8 Latin American Version: LTE-FDD: B1/2/3/4/5/7/8/28 LTE-TDD: B40 WCDMA: B1/2/4/5/8 GSM: B2/3/5/8
Wi-Fi Frequency	2.4 GHz
Wi-Fi Protocol	802.11 b/g/n

Positioning

GNSS	GPS/GLONASS
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AI

DSM (Driver Status Monitoring)	Supports driver behavior analysis including fatigue, distraction, smoking, phone call, etc.
ADAS (Advanced Driver Assistance System)	Forward Collision Warning/Lane Departure Warning/Headway Monitoring Warning

BSD (Blind Spot Detection)	Supports pedestrian/motor vehicle/non-motor vehicle detection and warning.
HOD (Hands Off Detection)	Supports detection of hands off steering wheel.
Face Recognition	Supports face attribute detection and face comparison.
ANPR	Supports recognition of license plate, vehicle color and vehicle brand.

Recording Playback

Record Mode	Auto, manual, motion detection, alarm, schedule
Video Playback	4
Backup	HDD/SSD,USB flash drive,network backup

Storage

HDD Interface	1 × 3.5 inch HDD/SSD, up to 12 TB
SD Card	1 × SD card, up to 256 GB

Alarm

General Alarm	Motion detection, video tampering and loss, local alarm, camera offline and manual alarm control.
Anomaly Alarm	No HDD, HDD error, insufficient capacity, illegal login, ACC off, high temperature, rollover, collision, over speed, low speed, rapid turn, rapid speedup, hard braking, network security exception, Insufficient battery power.
Intelligent Alarm	Supports DSM/ADAS/BSD/HOD/ANPR/Face Recognition alarms
Alarm Linkage	Record, snapshot, local external alarm output, buzzer, log, screen prompt, tour

Sensor

Gyroscope	Supports event detection and alarm including rollover, collision,harsh acceleration/deceleration/ cornering.
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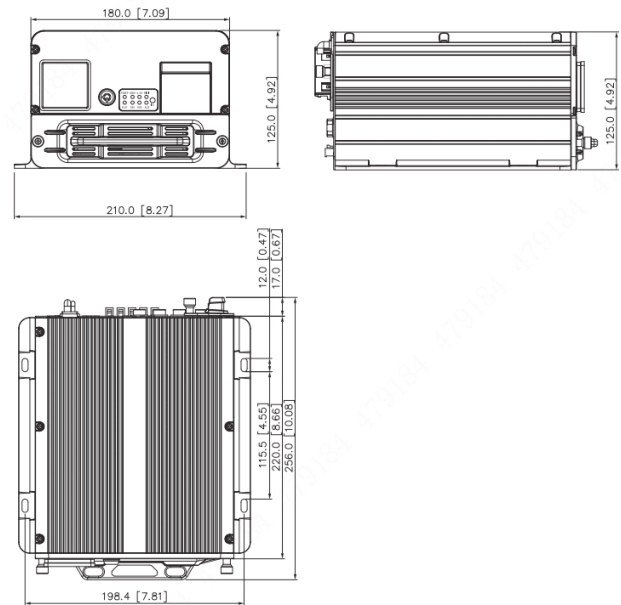
Port

Ethernet Port	Front panel: 1 × 100M/1000M RJ45 Rear panel: 1 × 10M/100M 6-pin aviation
Alarm Input	9 channels high/low level signal inputs, 1 pulse signal input, 1 BUTTON input
Alarm Output	2 channels (1 relay out, 1 controllable 12V out)
Voice Intercom	Support
RS-232	2
RS-485	2
CAN	2
USB	Front panel: 2 × USB 3.0 Rear panel: 1 × USB 2.0 integrated in EXTEND port 1 × USB 2.0 with 5-pin aviation connector
Speaker	2

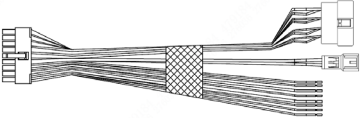
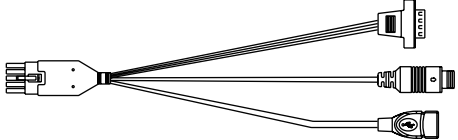
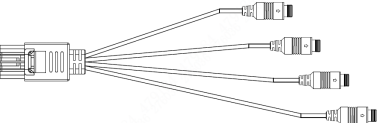
General

User Interface	Local GUI, Web
Power Supply	8-36 VDC
Power Consumption	Bare unit: ≤15W Full Load: ≤120W Standby: ≤1.5 W
Net Weight	3.73kg (8.22 lb)
Dimensions	2.5 DIN case 210mm×256mm×125mm (8.27"×10.08"×4.92")
Operating Temperature	−30°C to +70°C(−22 °F to +158 °F)
Operating Humidity	10% to 90%

Dimensions (mm[inch])



Packing List

Figure	Name	Quantity
	Device	1
	Key	2
	GPS antenna	1
	4G antenna	1
	Wi-Fi antenna	1
	Accessories bag	1
	Alarm signal connector	1
	Extend port connector	1
	Adapter cable (RS232, RS485, CAN, etc.)	6
	Camera adapter cable	6

Peripheral Connection

