FT-MDVR-A108
MDVR - Highly Integrated Design

GPS Tracking

Geo Fencing

Playback Trips

Wi-Fi
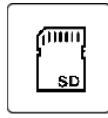
SD Card

Live Tracking

CE UK CA PTCRB

Product Summary

The first-ever mobile video recorder embedded with a specific AI CPU, which is crafted and developed by and the chipset supplier of DJI. The extraordinary processing capability empowers the AI MDVR to cope with any heavy duties 20+ times faster than conventional MDVRs.

Key Features:

➢ **GPS tracking**
Enjoy GPS Tracking service at www.fleetly.live, where playback, geo-fence is available.

➢ **Geo fencing**
Geo fencing is a predefined set of boundaries with set of rules to notify fleet users.

➢ **Driver Behaviour Analysis**
Educate drivers to improve vehicle performance and motivate them using driver leader boards.

➢ **Live tracking & Playback trips**
Each Trip is clearly marked with its start and end location along with its address.

Technical Specification

Item	Specification

Model	FT-MDVR-A108
OS	Linux
Control	Support remote controller and mouse for control External display for GUI Support Mobile Check for configuration Support web access in LAN network
Credential	Support username and password management for enterprise operation

Video System

Video Input	(PAL) 8ch AHD 1080P@ 18fps +4 ch IP 1080P @2Sfps (PAL) 8ch AHD 720P @25fps + 4 ch IP 1080p@25fps (NTSC) 8ch AHD 1080P @18fps +4 ch IP 1080P @25fps (NTSC) 8ch AHD 720P @30fps + 4 ch IP 1080P @25fps
LAN port	1 channel, (Aviation 6-pin Ethernet port™)
Video Output	Video AHD output
Video compression Algorithm	H.265/H.264
Preview	H.265/H.2641/4/9 display. Full screen display
Recording resolution	Support 1080P, 720P, D1, HD1, CIF
Image quality	1 to 8 image quality configurable
Recording Plan	Support ignition recording
DMS Camera	Camera video supports 720P video
ADAS Camera	Adopts black and white switchable mode

Audio system

Audio Input	CH1-CH6 with audio input function
Audio output	1 channel audio signal output.
Push to talk	Support broadcast Function
DMS+ADAS Alarm Audio	Support DMS/ ADAS voice broadcast

Interface

10 inputs	8 channel alarm input

10 outputs	2 channel alarm output
Motion detection	Support
RS232	2+1 channel RS232
RS485	1 channel RS485
1-wire	2 channels
USB	Compatible with USB2.0/3.0
G-sensor	Built-in
Ethernet port	Support 6 pin aviation head supports local network

Network

LAN port	1x10/100/1000Mbp 6-pin aviation port
3G/4G	Support built-in 3G/4G module optional
Wi-Fi CPE	Support Built-in 2.4G Wi-Fi module optional
Wi-Fi AP	Wi-Fi AP mode for hotspot (optional)
Location	Support GPS (default U-BLOX™)
GPS Module	GPS positioning module support

Storage

HDD	Support 1x 2.5-inch HDD or SSD; Max. 4TB
SD card	Support 1x SD card, max. 256GB
Upgrade	U disk upgrade; SD card upgrade
File system	Fleetly Special File System to secure data
Fireproof box	Support external fireproof box (optional)

Power

Power circuit	Selected Linear power chipsets, adaptive to a wide range	
Power Voltage	DC: +8V ~ +36V	
Power output	+12V@1A0+5V@1A	
Power consumption	1A_12V output	1A_5V output
UPS Function	Support external UPS (the Oder individually)	

Environment

Temperature	-20°C to +70°C

HOD heater	Optional (For cold environment)
Humidity	0% to 90%
Vibration Test	MIL
IP protection	IP54

Hardware and Algorithm

Protocol	H protocol T protocol
OMS Intelligent Analysis Function	1.Fatigue detection alarm: yawn, eyes closed, bowed head 2. Call detection alarm 3. Smoke detection alarm 4. Water drinking detection alarm 5. Not wearing seat belt detection alarm 6. Look around and detect alarm 7. Driver change detection alarm 8. The speed reaches 30
Driver Identification	Driver change detection alarm
ADAS Intelligent Analysis Function	1. Lane departure alarm 2. Front vehicle distance detection reminder 3. Collision alarm for distance ahead
DMS &ADAS Alarm Function	1. Support external voice broadcast prompt speaker 2. Alarm linkage external equipment, linkage
MDVR hardware fence Function	1. Support electronic fence function 2. Support online remote configuration function 3. Support N electronic fence rules configuration
Intelligent LICENSE control Mode	1.Algorithm authorization with one-time permanent 2. Trough firmware upgrade or burning

Accessories