



## CEN101+ Specification Sheet

### Overview

CEN101+ is a functional Mobile Digital Video Recorder specially designed for vehicle video surveillance. It supports not only video recording in CIF, HD1 or D1 formats but also vehicle travel information recording and wireless data upload. The software also achieves alarm linkage, central monitoring, remote management and playback analysis. It is easy to use with simple design, multi-functions, superior anti-vibration, flexible installation with high reliability.

### Features

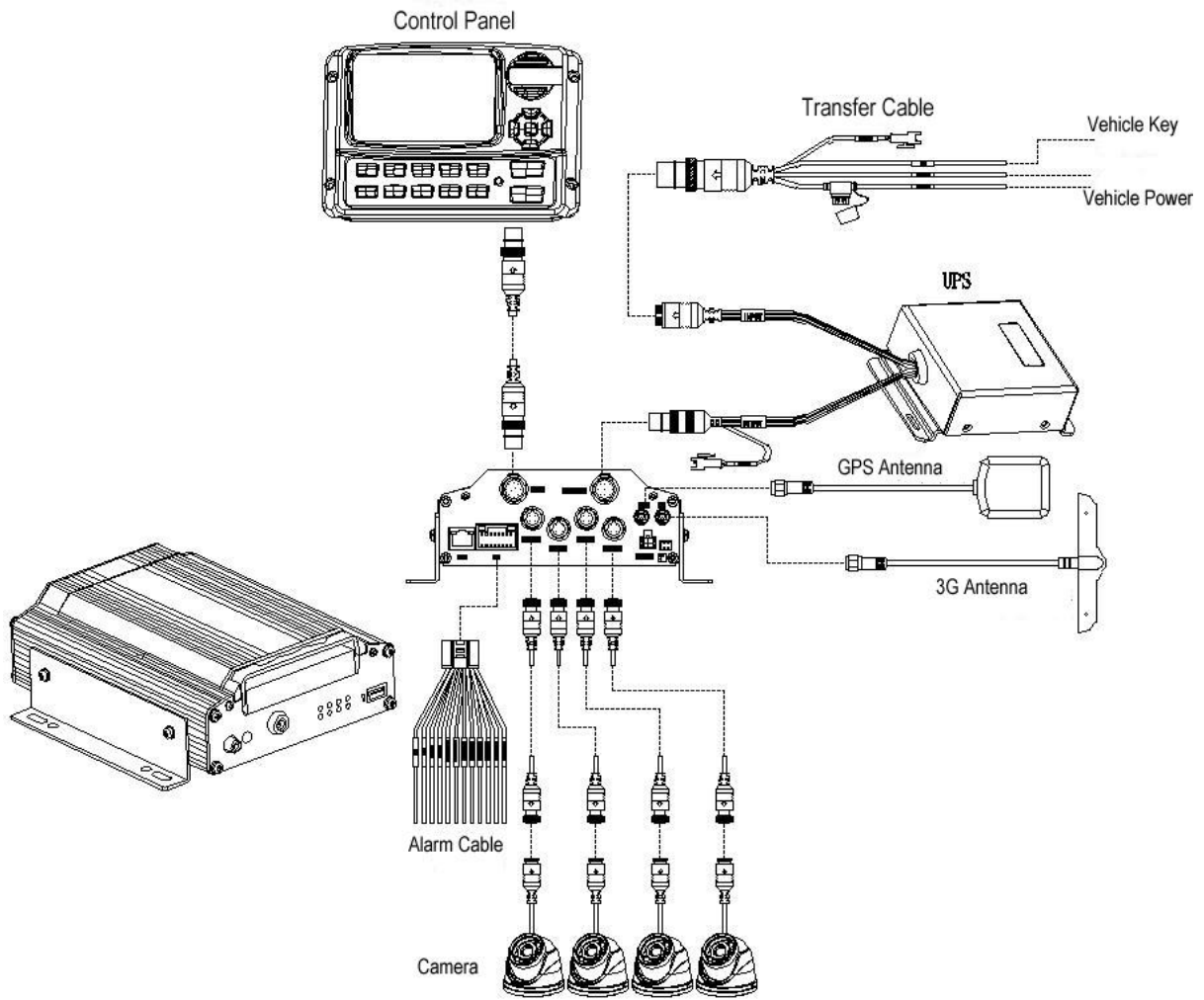
- Total resources: 4 channels D1 at real time(100fps/ 120fps).
- Built-in GPS for location tracking.
- Built-in 3G for live view and remote management.
- H.264 video compression.
- Patented FS 3.0 file system for data reliability and data recovery.
- Supports 2.5" up to 1TB SATA HDD storage.
- Built-in capacitor provides MDVR with enough time to pack the files to avoid any video file loss when the external power is cut off suddenly.
- Pre-recording maximum 60 minutes.
- Low voltage protection.



## Specifications

Function Overview	Live view recording, playback, network, GPS location tracking
OS	Embedded real-time Linux
Control Mode	IR remote control, CP3/CP4, network
Video Input	4 channels (Aviation-din X4)
Video Output	1 channel (Panel × 1 and V-out × 1)
Display Split	1/4
Video System	NTSC/PAL
Audio Input	4 channels (Aviation-din X4) (Note: The frame rate setup must be above 6fps)
Audio Output	1 channel (Aviation-din×2)
Display Split	1/4
OSD	GPS information, alarm, temperature, acceleration, voltage, firmware version, MCU version, device information, network information
Operation Interface	Semi-transparent GUI
Video/Audio Compression	H.264/ADPCM
Image Resolution	PAL: D1 (704*576),HD1 (704*288), CIF (352*288) NTSC: D1 (704*480), HD1 (704*240), CIF (352*240)
Image Quality	1~8 levels adjustable (1 is the best)
Recording Mode	General/schedule/alarm/ (sensor trigger, speed, video loss)
File Packing Time	15, 30, 45, 60 minutes
Pre-recording	Maximum 60 minutes
Post-recording	Maximum 30 minutes
Playback Channel	1/4 (1 channel by local playback, 4 channels by playback software)
Search Mode	Date/time, channel, event
Backup Mode	USB, network
Network Ethernet	RJ45 port (10/100M)
Network 3G	HSPA / EVDO (optional)
Network WIFI	802.11b/g/n (optional)
GPS	GPS location tracking, speed detection and sync time
Storage	2.5" SATA HDD Maximum 1TB
Interface USB	USB 2.0 × 1
Interface RS232/RS485	RS485 × 1 (supports Centrad standard accessories only)
Interface Sensor	8 inputs, 2 outputs
Interface Panel	CP3 / CP4 (The multi-functional panel)
Power Input	6 ~36 V
Power Output	12V@1A 5V@1A
Power Consumption	12W (without cameras and any accessories)
Power UPS	Uninterrupted power supply for MDVR(optional accessory)
Dimension (L × W × H)	203.5mm×150mm×56mm
Weight	2kg
Operating Temperature	-25°C ~ +60°C (Please use built-in heater if the temperature is below 0°C)
Operating Relative Humidity	10%~90%

# System diagram



# Dimensions

