



CEN102+ Specification Sheet

Overview

CEN102+ is an advanced Mobile Digital Video Recorder specially designed for vehicle 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 powerful with modular design, flexible installation, easy maintenance and high reliability.

Features

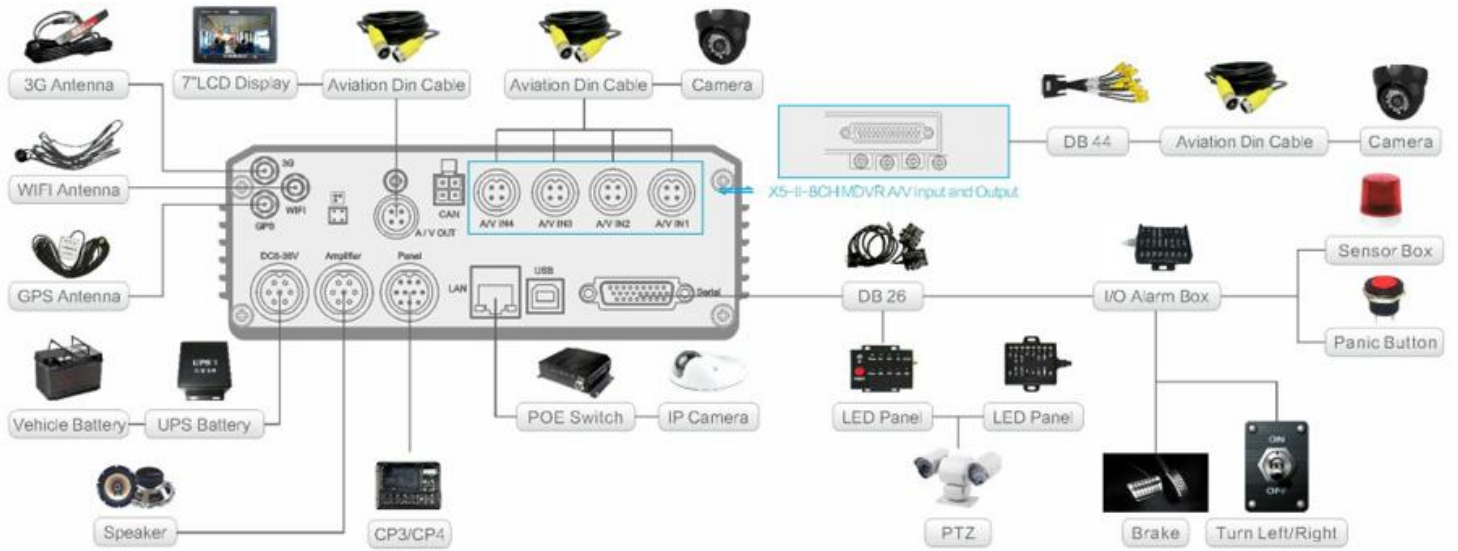
- Modular design for easy maintenance
- Revolutionary anti-vibration technology for 360 degree installation
- Total resources 8CH HD1 real time (100/120fps)
- Supports 2.5" 1TB hard disk storage and SD card for mirror recording
- Dual streams for local recording and wireless transmission
- Internal GPS for location tracking
- Built-in 3G for live view and remote monitoring
- Internal WIFI 802.11N supported for all the regular video files and alarm files download
- Built-in inertia sensor
- Built-in heater (optional)
- Patented FS 3.0 file system for data reliability and data recovery



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	8 channels (Aviation-din X8)
Video Output	2 channels (Aviation-din X2)
Total Resource	8CH HD1
Video System	NTSC/PAL
Audio Input	8 channels (Aviation-din X8) Note: The frame rate setup must be above 6fps
Audio Output	2 channels (Aviation-din X2)
Display Split	1/4/9
OSD	GPS information, alarm, temperature, acceleration, voltage, firmware version, MCU version, device information, network status
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, acceleration, video loss, temperature)
Pre-recording	Maximum 60 minutes
Post-recording	Maximum 30 minutes
Mirror Recording	Yes
Playback Channel	1 channel by local playback, 1/4/8 channels by playback software
Search Mode	Date/time, channel, event
Backup Mode	USB, HDD, 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 × 2
Interface RS232/RS485	RS232 × 2 / RS485 × 2
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	< 15W (without cameras and any accessories)
Dimension (L × W × H)	192.5mm × 175mm × 67mm
Weight	2.6kg
Modular Design	Yes
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

