



Main Features

- * Supports 4-Channels AHD(720P) & 1-Chann IPC (720P)
- * Supports Dual SD Cards for main recording
- * Built-in three-axis inertial sensor (G-Sensor)
- * Supports GPS for location tracking
- * Supports USB2.0 high speed backup
- * Supports data recovery technology

Overview

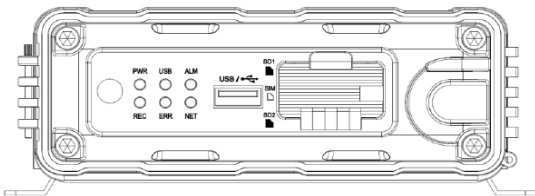
M1-SH0401 is a functional Mobile Digital Video Recorder specially designed for vehicle video surveillance. Incorporates a high speed processor and embedded operating system, combining with the most advanced H.264 video compression/decompression technology, GPS positioning technology. It supports video recordings in 10880P, 720P, WD1, HD1 & CIF formats. The unit supports a modular design, flexible installation, easy maintenance and high reliability.

Specifications

System	Product Name	: 5-Channel Hybrid Mobile Digital Video Recorder, supports 4-Analog & 1-IP Camera
	OS	: Linux 3.18.20
	Control Mode	: CP4 (Touch screen panel) , Easy Check Wireless Dongle (USB) with Easy Check Software via Android tablet, iOS tablet, iPhone, Mouse
Video	Input	: 4 * 720P @ 25 fps (AHD) + 1*1080P @ 30 fps (IPC) 4 * 1080P @ 15 fps (AHD) + 1 * 1080P @ 30 fps (IPC)
	Output	: 1-Channel Analog
	Total Resources	: NTSC 4 x 25 FPS WD1 & 1 x 30 FPS 720P
	Video Signal Standard	: 1 Vp-p , Impedance : 75 ohms NTSC
Audio	Input	: 5-Channels (4-Analog with audio & 1-IPC with audio)
	Output	: 1-Channel Analog
	Audio Signal Standard	: Electrical Level : 2 Vp-p, Input Impedance : 4.7 k-ohms
Display	Display Split	: 1 / 4 / 9
	OSD (On Screen Display)	: GPS Information, Alarm, Vehicle No., Speed, Date/Time
	Operation Interface	: Semi-Transparent GUI (Graphics User Interface)
Recording	Video/Audio compression	: Video : H.264 : Audio : ADPCM
	Image Resolution	: Analog : NTSC : 720P (1280 x 720) : WD1 (928 x 480) WHD1 (928 x 240) : D1 (704 x 480) HD1 (704 x 240) : CIF (352 x 240) : Digital : 10890P (1920 * 1080), 720P (1280 x 720)
	Image Quality	: 1-8 Levels Adjustable (1 is best)
	Recording Mode Options	: Boot Up / Manual / Schedule / Alarm
	Pre-Recording	: 0-60 minutes
	Post-Recording	: 0-30 minutes
	Playback	Playback Channel
Search Mode		: Date / Time, Channel, Event
Network	Ethernet	: RJ45 (100 Mbs) x 1
	IPC Ethernet	: 6-pin DJ (100M x 1, PON Power supply)
	Wi-Fi	: Optional
	4G	: Optional
Locating	GPS	: Location tracking, Speed detection and Time sync
G-Sensor	G-sensor	: Built-in three-axis inertia sensor
Storage	SD Card	: Supports up to 2 x 256 GB SD cards (Max 512 GB)

Interface	USB	: USB 2.0 x 1 - Download and Upload System Configure files, Download Video files, Easy Check wireless USB dongle.
	RS232	: RS323 x 1 - Interfaces with : Touch Control Panel or G-Sensor (Connect either Panel or G-sensor, not both at same time)
	Sensors (I/O)	: 8 Inputs, 2 Outputs (I/O Alarms)
	Speed	: 1-Channel pulse speed detection
	Intercommunication	: 1 Mic interface
	Control Panel	: Optional => CP4 - 7" Touchscreen Control Panel
	Easycheck	: Optional => Wireless Easy Check USB Dongle via tablet app
	Mouse	: Mouse or Remote Control (Requires External LCD Monitor)
Power	Input (Operating Voltage)	: DC 8-36 V, Ignition Signal
	Output	: 5 VDC @ 500 mA
	Max Power Consumption	: 29 Watts
	Standby Power Consumption	: ≈0W
Water Proof	Water Proof Rate	: IP54
Physical Characteristics	Dimension (L x W x H)	: 6.59" (167.3 0mm) x 5.76" (146.30 mm) x 2.13" (54.1
	Weight	: 1.83 lbs. (0.83 Kg)
Environment	Operating Temperature	: -40 C - +70 C
	Operating Relative Humidity	: 8.0% - 90% (No Condense)

Front Panel View




Rear Panel View



LED Indicators

- PWR : Power On
- USB : USB Inserted in Unit
- ALM : Input Sensor Activated
- REC : Normal Recording
- ERR : MDVR Not operating normal
- NET : N/A

LED Indicators

- Power : Power On
- Sensor & Serial : USB Inserted in Unit
- A/V IN : Input Sensor Activated
- A/V OUT : Normal Recording
- IPC : MDVR Not operating normal
-  : GPS Antenna Interface

Top View of the M1-SH0401

