PRD10844 MDVR 0804 HDD W4G GPS S/HDD (URBS) DATASHEET

DESCRIPTION

ACTIA Mobile Digital Video Recorder is developed from a new platform, which is an advanced and function, Mobile Video Recorder specially designed for high definition systems, besides analog audio & video input. It uses high-speed processor and embedded operating system, encrypted file system to ensure the safety and integration of important data, combining with H. 264 video compression / decompression technology, network technology 4G, technology Wi-Fi and GPS locating. With software Actia MDVR it 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

- Supports 8 AHD Channels + 4 IP Channels (PON)
- Modular design for easy maintenance
- Anti-vibration technology (360º installation)
- Supports HDD up to 2TB and SD card
- Internal GPS module for location
- Integrated Wi-Fi Module for Communication
- Integrated 4G module for communication
- CVBS or VGA output

- This Product is not suitable for home use, may cause electromagnetic interference that forces the user to take necessary measures to minimize such interference.

- This equipment is not entitled to harmful interference protection and may not cause interference to duly authorized system

	By	Date	MDVR 0804 HDD W4G GPS S/HDD (URBS)	Ref. ACTIA	Index
Draw.	C.Conrado	11/30/20		**PRD10844**	**Rev01**
Rev.	C.Dambroz	11/30/20			
Appr.	C.Dambroz	11/30/20			Page 1/5

TECHNICAL DATA

Function Overview		Preview, Recording, Playback, Locating.
System	OS	Linux 3.0.8
	Control Mode	CP4, Easy Check, Network (4G/WIFI), Mouse
Video	Input	8 channels AHD (1080P) + 4 channels IPC (1080P)
	Output	1 channel CVBS + 1 channel VGA
	Total Resource	PAL: 8*720P@25FPS (AHD) + 4*1080P@30FPS (IPC) 8*1080P@10FPS (AHD) + 4*1080P@30FPS (IPC) NTSC: 8*720P@30FPS (AHD) + 4*1080P@30FPS (IPC) 8*1080P@10FPS (AHD) + 4*1080P@30FPS (IPC)
	Video Signal Standard	Electrical level: 1 Vpp Impedance: 75 Ω NTSC/PAL Optional
Audio	Input	12 channels
	Output	2 channels
	Audio Signal Standard	Electrical level: 2 Vpp Input impedance: 4.7 kΩ
Display	Display Split	1/4/9 cameras to be displayed
	OSD	GPS Info, Alarm, Temperature, Acceleration, Voltage, Device Info, Software Version, MCU Version, Network Status
	Operation Interface	Semi-transparent GUI
Recording	Video/Audio Compression	Video: H.264
		Audio: ADPCM, G.711A G.711U
	Image Resolution	PAL: 1080P, 720P, WD1(928X576), WHD1(928X288), WCIF(464X288), D1(704X576), HD1(704x288), CIF(352x288); NTSC: 1080P, 720P, WD1(928X480), WHD1(928X240), WCIF(464X240), D1(704x480), HD1(704x240), CIF(352x240); Digital: 720P(1280X720)
	Image Quality	1-8 levels adjustable (1 is the best)
	Recording Mode	Programming / Alarm (sensor trigger, speed, acceleration, video loss, temperature)
	Pre-recording	0-60 minutes
	Post-recording	0-30 minutes
	Mirror/Dual Recording	Support
Playback	Playback Channel	4 channels by local playback
	Search Mode	Date/time, channel, event
Network	4G	EVDO/WCDMA/TDD-LTE/FDD-LT
	WIFI	802.11a/b/g/n/ac – 2.4GHz / 5GHz
	Ethernet	RJ45 x 1 (10/100 M/1000M)
Locating	GPS	Location tracking, speed detection and time sync
Storage	HDD	Supports HDD up to 2TB 2.5" SATA

| Interface	USB	USB2.0 x 2
	SD	SD slot x 1
	SIM	SIM slot x 2
	RS232	RS232 x 2
	RS485	RS485 x 2
	Sensores	8 inputs, 2 outputs
	Serial	G-sensor (internal)
	Speed	1 channel pulse speed detection
	Intercommunication	MIC interface
	VGA	VGA x 1
Power	Input	DC8-36V, Ignition signal
	Output	5V@500mA, 12V@500mA
	Max Power Consumption	105.3W
	Standby Power Consumption	≈0W
Physical Characteristic	Dimension (C × L × A)	295mm x 222.5mm x 89mm
	Weight	2.6Kg
Environment	Operating Temperature	-40ºC a +70ºC
	Operating Relative Humidity	8% a 90% (No Condense)

DIMENSIONS
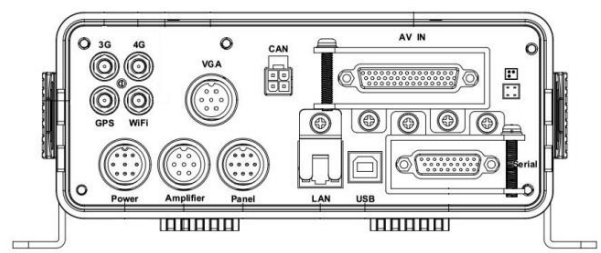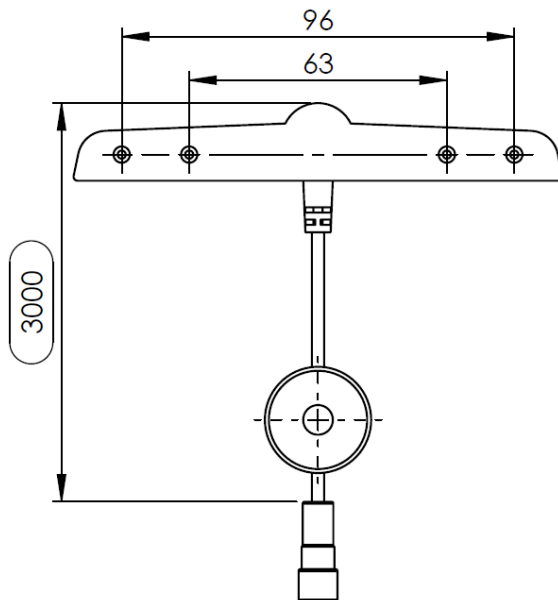*(Millimeters)*

Upper view
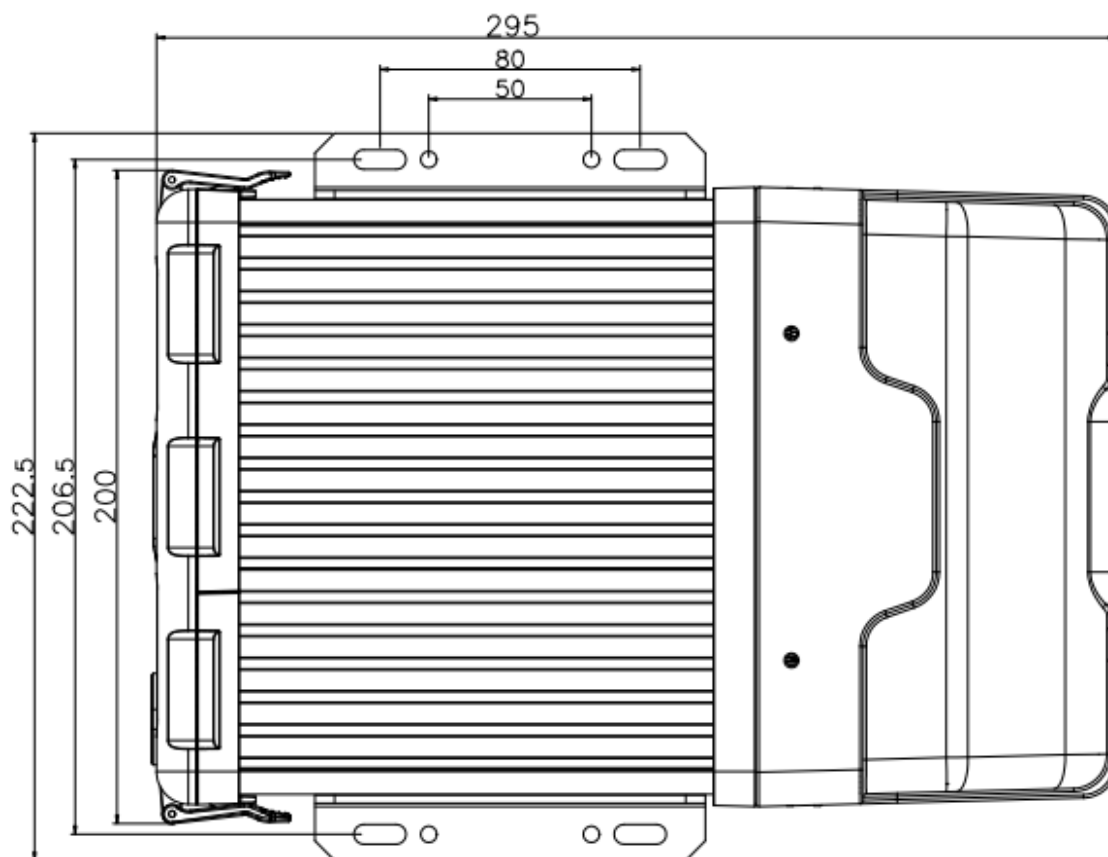
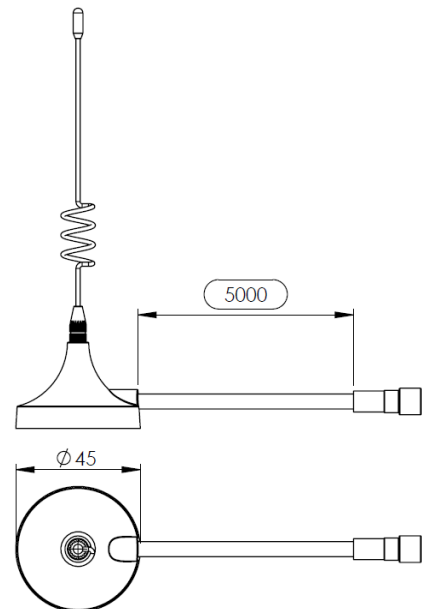*Side view*
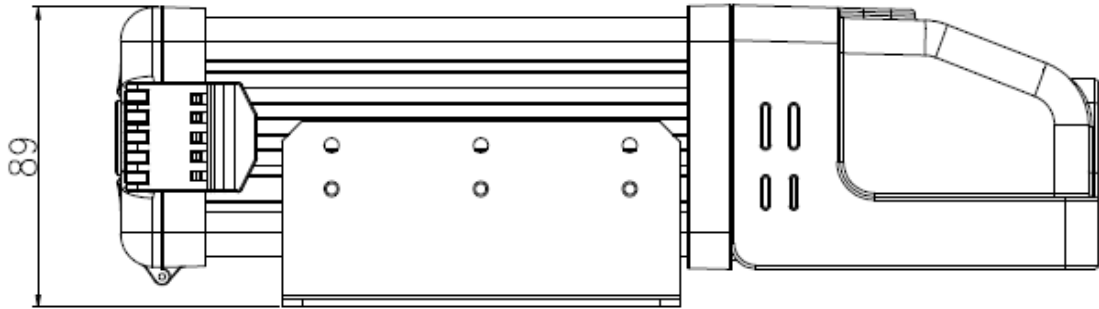
Front view
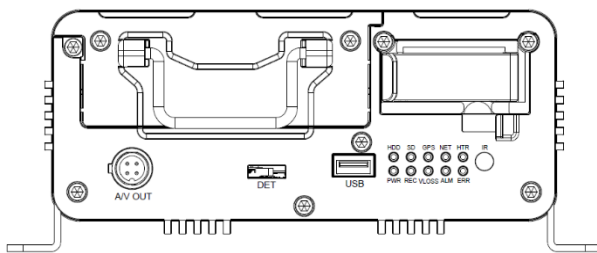
Rear view

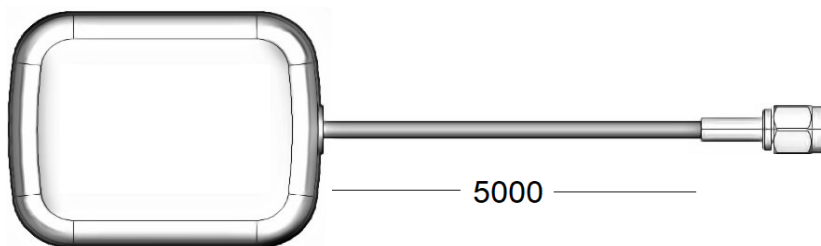## ANTENNAS
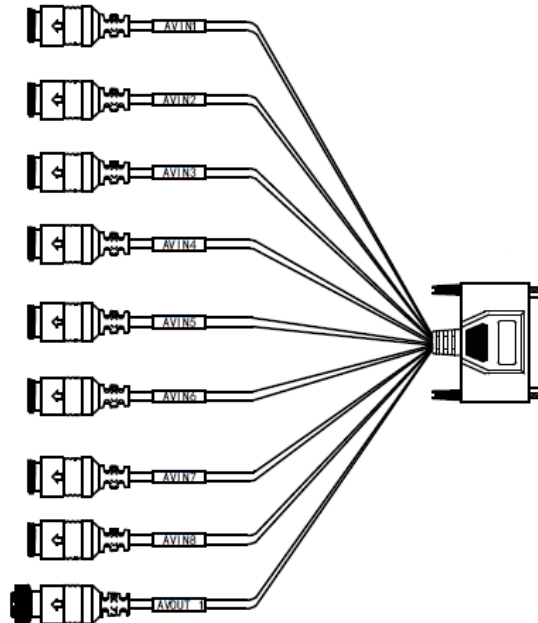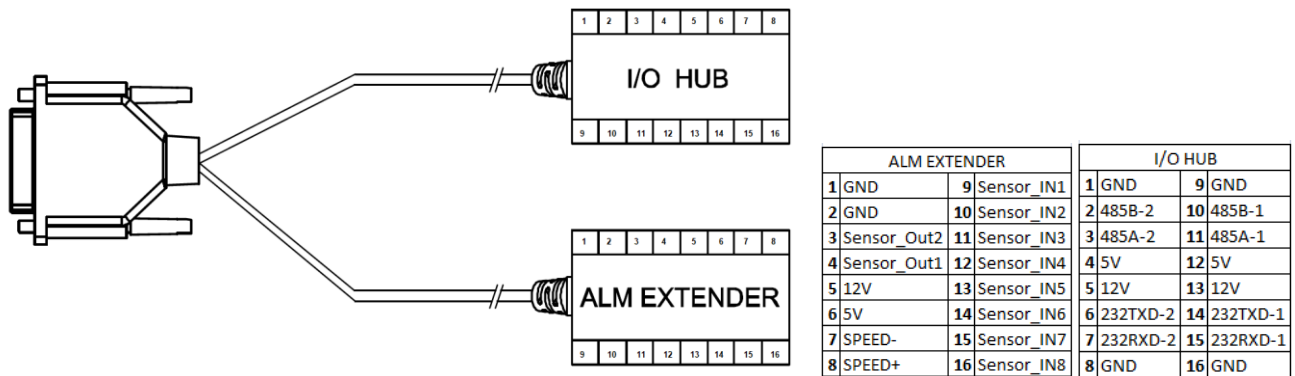*(Millimeters)*

Antenna 4G
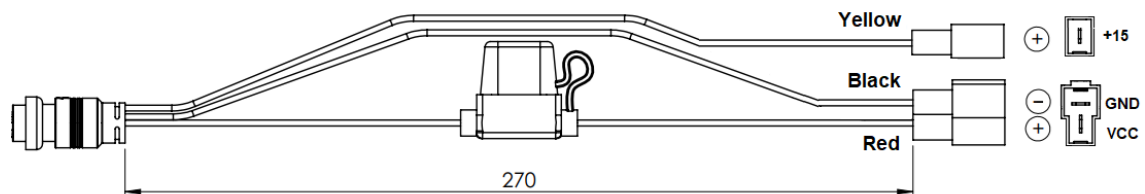

Antenna Wi-Fi

Antenna GPS

CONNECTOR DETAILS

Cable Inputs Cameras and Video Out

I / O and Serial Cable

ALM EXTENDER				I/O HUB			
1	GND	9	Sensor_IN1	1	GND	9	GND
2	GND	10	Sensor_IN2	2	485B-2	10	485B-1
3	Sensor_Out2	11	Sensor_IN3	3	485A-2	11	485A-1
4	Sensor_Out1	12	Sensor_IN4	4	5V	12	5V
5	12V	13	Sensor_IN5	5	12V	13	12V
6	5V	14	Sensor_IN6	6	232TXD-2	14	232TXD-1
7	SPEED-	15	Sensor_IN7	7	232RXD-2	15	232RXD-1
8	SPEED+	16	Sensor_IN8	8	GND	16	GND

Power Cable

REVISION HISTORY

Revision	Date	Reviewer	Description
00	11/12/2019	G. Costa	Document creation.
01	11/30/2020	C. Conrado	Modification of Wi-Fi and 4G antennas and product description.