



MHU-HD Mobile DVR



The MHU-HD is the newest high-end Hybrid MDVR in the Mobile Witness™ family that provides the perfect surveillance solution for vehicles in rugged environments. The MHU-HD supports a total of 4 cameras (mix and match Analog and IP) and is fully compatible with the Mobile Witness™ suite of software for playback, automatic download, mapping, and other functions. All firmware and client software is developed, supported, and maintained in the USA for maximum network security, performance, and stability.

Features

- 4 channels for a combination of 1080p analog cameras or IP cameras (up to 4 total)
- Built-in switch 4 x POE (12V) Ethernet ports
- Accepts HDD/SSD (up to 2TB) and 1x SD card slot (up to 128GB for 1ch Video Backup)
- Internal G-Sensor and GPS standard
- 802.11N Wi-Fi module for remote connection and download with speeds of up to 3Mbps
- Anti-vibration and anti-shock under acceleration of 40G (MIL-STD-810G standard)
- Hard drive automatic heating startup in cold weather
- On-board UPS with an average 8 second delay power-off for data protection
- Operating temperature -40°C ~ +80°C with the use of industrial-grade recording media
- 8V-36V wide voltage power supply



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MHU-HD Technical Specifications

Video	Video Input	4 channels total in a combination of 960H, or AHD cameras and IP cameras
	Video Output	1x HDMI (max. 1080P), 2x CVBS (Analog); 1x 3.5mm Jack on Front Panel and 1x pigtail
	Video Display	Single picture, 1~4 pictures
	Signal System	PAL / NTSC (PAL@100 frame 960H/sec; NTSC@120 frame 1080p/sec)
	Image Compression	H.264 main profile
Audio	Audio Input	4 Channels
	Audio Output	2 Channels (Front Panel 3.5mm Jack, 1 in the pigtail)
	Record Format	Synchronized A/V recording
Recording & Storage	Image Resolution	CIF / D1 / 960H on NTSC mode, 720p, 1080p in AHD mode, 1080p in IP camera
	Video Coding	ISO14496-10 industry standard
	Video Bit Rate (Select from 5 levels of video image quality)	CIF: 1536Kbps ~ 128Kbps
		HD1/D1: 2048Kbps ~ 400Kbps (Not used on MHU)
		960H: 2048Kbps ~ 400Kbps
	Audio Bit Rate	64Kbps
Storage	Up to 2TB HDD/SSD slot and 1x SD for 1ch mirror recording.	
Alarm	Alarm Input	8 NO/NC
	Alarm Output	1 Channel, 12V output @200mA
Communication Ports	RS485	1 Port for PTZ control or Data Device usage
	RS232	2 Port for communication or data usage
	RJ45 Network	4 Ports of RJ45, For connection to an IP camera with maximum of 1080P
	USB	2x USB 2.0 ports
G-Sensor	Internal G-Sensor	Supports 3 Axis Motion Detection with user set ranges, for X, Y, and Z coordinates
Voltage Input	+8~+36V	8~36VDC (please check operational voltage of vehicle prior to the installation of the MDVR and its accessories to prevent possible damage), use more than 12vdc for proper hardware operation.
Voltage Output	12V	12V (+/-0.2V), Max 3A
Operation Temperature	-40°C~80°C	Install in well-ventilated area, protected from moisture, heat, dust, and vibration. Highest operational temperature only when Industrial Grade extended temperature media is utilized.
Dimensions	192x184x61mm	Including security cover 248x184x61mm

SOFTWARE SOLUTION

MOBILE WITNESS MANAGER	AUTO DOWNLOAD SERVER	MOBILELINK
<ul style="list-style-type: none"> Web client Playback video, audio, map, and associated metadata Allows remote MDVR configuration 	<ul style="list-style-type: none"> Automatically downloads videos via Wi-Fi or USB Powerful search interface Creates a file database 100's of assets managed at one video storage server or multiple ADS locations Scheduled video downloads 	<ul style="list-style-type: none"> Monitor 1000s of assets on one server Allows automated alarm notification Geo-fence, route deviation alerts Route rebuild Mobile DVR health monitor
FREE	LICENSED	LICENSED