



mohawk rcctv system

the 'anywhere' portable rcctv surveillance solution

The Mohawk unit is destined to become as widely renowned for internal surveillance applications as the Apache is for external uses. It is available as a stand alone unit or complete with 3G and Wi-Fi for remote monitoring.

Mohawk is a compact versatile rapid-deployable CCTV system that can be easily and rapidly installed to a home, office, factory or shop but has also been developed for installation into almost any vehicle.

Standard and simple connectors are provided for connecting a multitude of CCTV cameras including fully functional PTZ (Pan Tilt & Zoom) cameras. The Mohawk digital /audio recorder is designed for use in all kinds of locations and all kinds of vehicles and is a CCTV System which includes a combination of a hard disk recorder, a video multiplexer and web server. Furthermore with Wi Fi and 3G Mobile Network connectivity, the Mohawk becomes even more flexible and desirable.

The ideal solution for short term deployment in fixed locations but also transferable from vehicle to vehicle with ease. This is a hybrid solution based on leading edge technology incorporating H.264 compression and incorporating wireless technology for mobile devices.

Applications for the transportation industry are far reaching as the Mohawk has many features associated with driver management. Incorporating four camera inputs (two with audio) and with hard drive options up to 1TByte. Alarm inputs including Sensor input, Video loss, Motion, Acceleration, Braking, Speed (2-pin for car speeding pulse input with configurable parameters or from GPS and Collision. Ideal for Police cars, Buses, Taxi, Trains, Private and Commercial Transportation. Mocam can provide the Mohawk as a standalone unit or complete with 3G and Wi Fi for Remote connectivity.



- The unit can be discreetly installed
- Rapidly deployable
- Can connect to a multitude of CCTV cameras
- High storage capacity
- Extensive alarm inputs.
- Event, time lapse recording or both
- Mohawk can be searched by time or event

Mohawk is ideal for Police cars, buses, trains, taxi's and private and commercial transport systems.

**REDEPLOYABLE
WIRELESS
CCTV.**



Mohawk RCCTV Data

Embedded DVRs for all kinds of vehicles, **Detachable DVR host**

- 4-CH **H.264** DVR with sixfold operation: iV record, live, playback, backup, control, & remote access
- **H.264 Baseline Profile** video compression/decompression with configurable quality
- Digital watermark
- Record capabilities - Full-D1: 30/25 IPS, Half-D1: 60/50 IPS, CIF: 120/100 IPS
- Playback capabilities - Full-D1: 30/25 IPS, Half-D1: 60/50 IPS, CIF: 120/100 IPS
- Realtime live display for all cameras
- Bi-directional audio capabilities
- Event recording, time-lapse recording or both
- Playback search by time or event (alarm, motion, & video loss, **acceleration, & speed**)
- Smart search & playback
- Intelligent motion detection with programmable area and sensitivity
- Video/audio backup to built-in SD card or USB2.0 storage devices, including pen drive, DVD+RW, DVD+R, and DVD-R
- **One I.E. software for Multiple DVRs**
- 1 internal **2.5" SATA** hard drive
- Digital zoom, X2 & X4

- Audio in * 2 / audio out * 2
- Main monitor * 1, Call monitor * 1
- Alarm in * 4 / alarm out * 2
- Ethernet interface for remote access through I.E. or proprietary remote software, e-mail alarm notification, FTP file storage, remote setup and software upgrade
- Remote access through **Mobile Phone or PDA**
- RS-232 and RS-485 for **PTZ, keyboard control, and GPS support**
- SD card * 1 for video/audio backup
- USB * 1 for video/audio backup to versatile USB2.0 storage devices
- Remote controller, keypad, and mouse operation
- Multi-lingual support for setup and display
- Key-lock, Multi-level password and authentication key protection to ensure high degree of security
- Open system architecture for ease of access via network, RS-485 keyboard
- **Car speeding pulse input**
- **Anti-shock and anti-vibration design**
- Built-in **heater for low temperature** application
- **OCX SDK** available for the integration with different applications

Mohawk Specifications

System O.S. Multiplex	Embedded Linux 2.6 Sixfold operation - simultaneous record, live, playback, backup, control, & remote access	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP
Certification	FCC, CE, LVDS, PSE, etc	Remote Users	Up to 6 users simultaneously
Video Format	NTSC/EIA or PAL/CCIR	Bandwidth	TCP/IP type dynamic sliding window control
Input	4-CH, CVBS, 1Vp-p/75ohm	Remote Stations	PC, Mobile phone, or PDA Control/GPS/POS
Main monitor	CVBS x 1, S-video x 1, 1Vp-p/75ohm	I/R	1 I/R remote controller through built-in sensor or wired remote sensor
Optional	VGA D-SUB 15-pin connector	RS-232	1 D-type female connector for PTZ or GPS
Loss detection	Yes	RS-485	2-pin for keyboard, PTZ control, GPS or POS
Motion detection	Yes, with configurable detection area & sensitivity	Car speed	2-pin for car speeding pulse input with configurable parameters or from GPS
Audio Input	2 RCA-jack connectors, line-in level (100mV-2Vrms)	Setup	Local On screen setup via keypad, I/R remote controller, and/or mouse
Output	2 RCA-jack connectors, line-out level (up to 2Vrms)	Multi-lingual	Remote Setup & upload via Windows application
Record	Compression Video: H.264 Baseline Profile	Reliability	Yes
Audio	ADPCM	Watch Dog Timer	System recovery, Auto power on after power loss recovery
Frame rate (IPS) & Resolution	NTSC - 30 / 720*480, 60 / 720*240, 120 / 360*240 PAL - 25 / 720*576, 50 / 720*288, 100 / 360*288	Timer	Yes
Mode	Manual/ Schedule/ Alarm/ Motion/ Acceleration/ Speed	Security	Built-in real time clock
Pre-record time	0 - 10 seconds	Multi-level password	Time synchronization with TSP server or GPS
Post-record time	0 - 60 minutes	Operating shock	Key lock for DVR host
Display Resolution	NTSC - 720*480, PAL - 720*576	Operating vibration	(3 levels, up to 18 accounts) protection with authentication key for remote access
Split windows	1/4	Weights & Measures	8G, 11ms (20 per five seconds max)
Frame rate	Up to 30 (NTSC) / 25 (PAL) IPS per camera	Power Source	5~500Hz, 0.75G (0 to peak)
Freeze	Yes	Consumption	Dimension 178(W) x 210(D) x 50(H)mm
Sequential switch	User adjustable	Delay ON/OFF	Weight 2.0 KG (without HDD) Weight 2.0 KG (with HDD)
Digital Zoom	X2, X4	Delay out	+12 or +24VDC, with acceptable range +9.5~30VDC
Playback	Frame rate (IPS) & Resolution NTSC - 30 / 720*480, 60 / 720*240, 120 / 360*240 PAL - 25 / 720*576, 50 / 720*288, 100 / 360*288	12VDC Out	12W Max. without 12VDC output loading
Search	Smart search, Date/time, Camera, Alarm, Motion, & Video Loss, Acceleration, & Speed	Operating Temperature	Yes, with configurable timer
Operation	Play, Fast Forward, Backward, Pause, Stop, etc. Remote I.E. and HEM can also Print		30A delay output
Storage	HDD 1 set of 2.5" SATA type HDD, Maximum 1TB HDD storage size Partitions Configurable alarm partition size Configurable auto-overwrite or not		Up to 1.0A for all cameras
Backup	1 SD slot, 1 USB 2.0 ports for USB 2.0 disk drives, DVD+RW, DVD+R, DVD-R, card readers, HDD, etc.		0°C ~ +50°C, with built-in heater
Alarm Input	4 contact or TTL/CMOS signal, polarity selectable		
Output	1 Normally Open, 1 Normally Closed relay output		
Buzzer	Yes		
Triggers	Sensor input, Video loss, & Motion, Speed & Acceleration		
Event Log	Yes		
Network	Ethernet 1 RJ-45 10/100BaseT Ethernet connector		
Web	Remote setup, monitoring, backup, alarm notification, & remote software upgrade		
	One I.E. for Multiple DVRs		
	Configurable HTTP/Control/Data port		
Email	Alarm notification to stationary or mobile devices		
FTP	Alarm video/audio file storage		
Video	1/4 split-window & SEQ mode for I.E. and HEM Dynamic electronics maps for HEM		
Audio	Bidirectional		

Mohawk 3G + Wi Fi RCCTV Networks

3G - Mocam Limited provide high performance mobile network connections with secure VPN services.

3G HSPA with fall back to HSDPA, UMTS, EDGE, GPRS in order of precedence which allows seamless connectivity dependent upon network coverage.

Wi-Fi - Mocam Limited Wi Fi products operate through wireless access point IEEE802-11-a/g 5GHz and 2.5GHz with security WEP 64.128.152.bit encryption and automatic/manual wireless channel selection.

Mocam Limited can provide integrated mobile network packages to suite each customer requirements.



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