



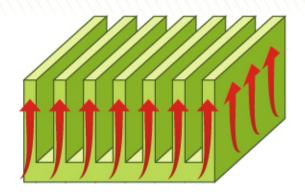
Anti-Vibration | Anti-Shock | Heat-Resistant Fanless Design |

Real-Time Recording, Live GPS Tracking and Vehicle Fleet Management



Aluminum Heat-Sink Structure Optimizing Heat-Dissipation Performance

Heat could be Dissipated through the Entire Aluminum Case at its Maximum Surface Area of the Heat-Sink Structure Design for Lowering its Temperature for the Best Performance.



Anti-Destruction One-Piece Superstructure | Preventing Damages from Brute-Force Attack

The Superstructure is Formed around 1 cm Thickness in One-Piece Method, it is very Strong so that it could Avoid the Serious Damages from the Purposely Brute-Force Attack.



Heat-Resistant Fanless Design | Wherever Tough Environment you could Install

Wide Operation Temperatur -10 ~ 60°C Allowed. Fanless Design is also free from the potential Internal Heating Problem caused by the Fan itself with Dust Remained. (Patent No. US7,468,555 B2)



True Anti-Vibration, Anti-Shock | US Military Standard MIL-STD-810F/G Certified

For Mobile Application, the Stable Performance is the Foundation.

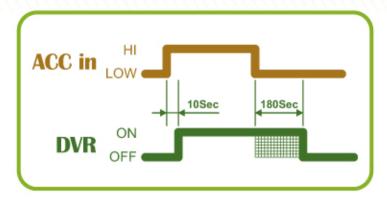
With the US Military Standard Certified Design, we do provide you a True Anti-Vibration / Anti-Shock DVR.





Power ON/OFF with Time Delay Built-in | For Surge Protection and Extending Record

For Avoiding Sudden High Voltage from Engine Start, there is 10 sec Time Delay when Power ON. There is also 180 sec Time Delay when Power OFF for continuing recording while Driver is still there.



Removable HDD Tray | Easy Change, Efficient Management

For Fleet Management, Time is Money for every On-Duty Vehicle, you could take out the Recorded HDD easily for Exchanging or for other Purpose based on the Removable HDD Tray Design.



Cable Holding Rings | Stable Performance and Favorable Follow-Up Care

Cables could be Fixed Tight with Cable Holding Rings for Stable Performance during Vibration. It could also make the Installation Neat and Tidy for easier Maintenance within limited space inside a Vehicle.



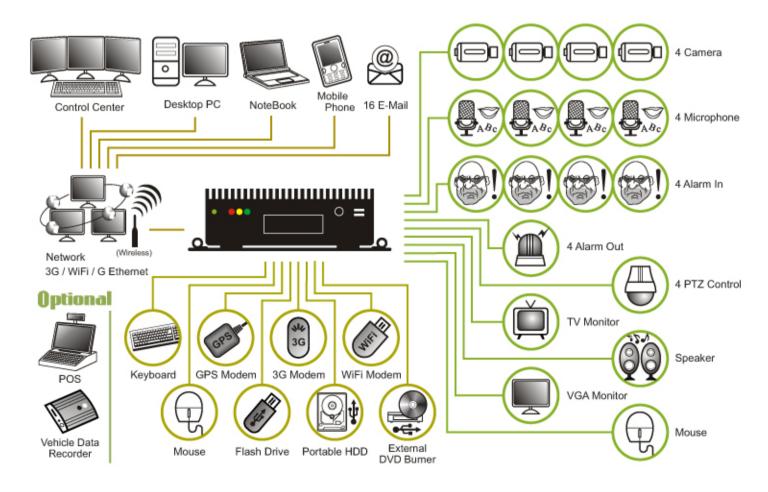
(Optional)

| Customized Application Power Box | Supplying 12V DC to Cameras and Recording at Ignition OFF

Together with the Optional Power Box, you could Power 4 Cameras with Stable 12V DC for Better Performance and as well as continually Record after the Ignition OFF with Adjustable Time Delay (Max. 12hrs).







Advanced 3G/GPRS Support Compatibility | Matching all kinds of Local Dialing Services

Only with Complete Open-Format Setting Options for connecting well with Your Own 3G Service of the Local Dialing System, you could then be real beneficial from the 3G Remote View supported by the DVR.

- Available Settings of Account / Password / Modem Model Baud / Phone / APN / 3G Service Type
- Support 3GPP2(CDMA) and 3GPP(UMTS)
- Support 2.5G / 2.75G / 3G / 3.5G / 3.75G



| Effective GPS Tracking Intergrated with Video | Know where they are, See what they See

With Licensed Central Management System, You could know where the Current Position is for each of the vehicle, and you could also check the Live View Remotely of the Selected Vehicle through the 3G Connection.

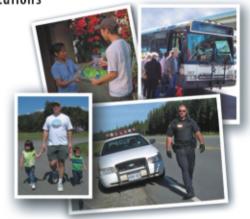
- Up to 64 Live GPS Tracking Markers Supported
- Video, the Moving GPS Marker and the GPS Tracking Route over the Map could be Displayed Simultaneously.



| Flexible GPI Snapshots | Making your Own Applications

You could define your own Snapshots for certain situations with GPI from an Alarm Trigger or a Quick Button.

- Each Channel could have an independent Snapshot to be stored inside the HDD.
- The GPI Trigger itself could be also considered as a Mark for doing further Search / Playback for Video Clips.
- It is even more convenient that you could Export all the Snapshots within a selected period into your USB Flash Disk in one time.



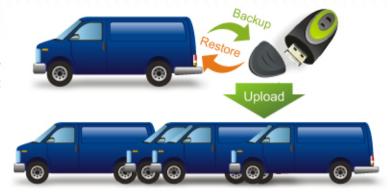
Video Previews with Thumbnail Browse | Quick and Accurate Frame Search with Time Zoom IN

For quickly Search the Video of the Interested Subjects or more accurately Locate some Specific Point, it is very convenient the Previews could be displayed at its First Frame for each Time Unit from the Selected Period. You could then Judge very easily by Taking a Glance and also do the Time ZOOM IN for getting into more Details during Each Section.



Efficient Configuration File Upload | Easy, Consistency and Time Saving

You can Backup the System Configuration into a File for further Restore in case of something wrong that cause loss of Configuration Settings. Or you could Upload it into another DVR for having exactly the same Settings as efficient Fleet Management.



(Optional)

Automatic File Synchronization | Convenient Fleet Management Back-up

With the Third Party FileSync Application, the File Server will do the File Synchronization automatically over the WiFi Network. The Management could investigate the Recorded Files at the File Server when necessary instead of go to each Vehicle for downloading the Files separately.



(Optional)

Integration with Mobile POS | Text Search for the Interested Video Clips

The Text Messages from the Mobile POS including Customer's Name or Delivery Details could be recorded into the DVR. So you could have your Video with the Text Message overlaid. Furthermore, you could easily find the Required Video Clips for Managements by just searching the Keywords.



(Optional)

| Data Record with Digital Tachograph | Customized Fleet Management Application

The Collected Data from a Digital Tachograph (also called In-Vehicle Data Recorder) including the Speed Information and Car Status etc. could be recorded into the DVR as well. You could even playback both the Video and the Recorded Data together for better evaluation on One's Driving Behavior.



Know where they are, See what they See



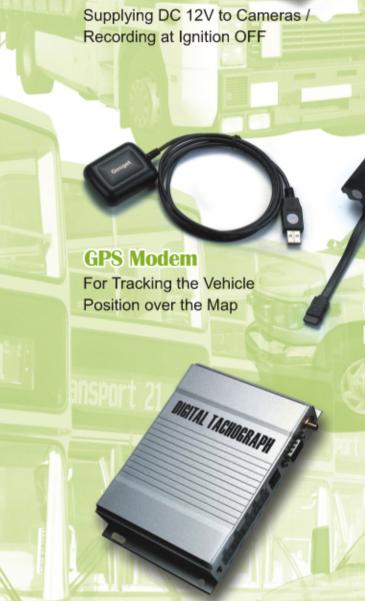
Model No.		Rugged Mobile DVR MR411					
			Video				Communication
Video Mode		SEVENFOLD (Live, Record, Playback, Backup, Network, WiFi and 3G)				Network Interface	USB PORT: Support 3G / GPRS / WiFi; RJ45 PORT: 10M/100M/1Gbps
Video Input		BNC 4 INPUTS **CHANGEABLE / CUSTOMIZED AVAILABLE**				Network Protocol	3G, GPRS, WiFi, TCP/IP, DHCP, NTP, HTTP, FTP and E-MAIL
	Main Monitor	RCA 1 OUTPUT				3G Technology Support	3G (3GPP2: CDMA; 3GPP: UMTS)
Video Output	VGA	VGA 1 OUTPUT **OPTIONAL WITH THE SECOND VGA OUTPUT**			A OUTPUT**	Multiple E-Mail Receivers	YES (up to 16 Accounts Allowed)
	Dual	YES (Both RCA and VGA Outputs can be Displayed at the Same Time)				Two Way Audio	YES (Two Way Audio Communication can be Supported with Remote Site
Performance Adjustable		YES (Image Performance per Channel can be Adjusted)				Mobile Phone Surveillance	YES (Support iPhone and Windows Mobile Phone etc.)
Image Rotate		YES (Flip-Vertical or Mirror-Horizontal per Channel can be Adjusted)				GPS Tracking Support	YES (up to 64 Vehicles can be tracked at the same time)
		Audio				J 11	Remote
Main Board		EAR PHONE JACK 1 INPUT, MIC INPUT				CMS Software	Licensed Central Management System Application Bundled
Audio Input	External	RCA 4 INPUTS **CHANGEABLE / CUSTOMISED AVAILABLE**				IE Browser Support	YES
Audio Record Channels		MAX. 4 CHANNELS				FTP Support	YES
Audio Output		EAR PHONE JACK 1 OUTPUT				Remote Live View	YES (Supported from CMS or IE Browser)
Audio Backup		YES				Remote Playback	YES (Supported from CMS or IE Browser)
Audio Format		8Kx16bit ADPCM Mono				Remote Event Alerting	YES (Supported from CMS)
Two Way Communication		YES (Two Way Audio Communication can be Supported with Remote Site.)				Max. Channels Display	up to 64 Channels can be Displayed at the Same Time via CMS
		Display				Alarm Pop-up	up to 16 Channels can be Displayed when Alarm via CMS
Image System		NTSC NTSC				Multiple View Support	Main Display, Map and Alarm Pop-up can be Displayed in Different Screen
		up to 120fps	640x480	up to 100fps	640x480	Remote GPO Control	YES (Supported from CMS)
Full Screen Display		YES (Full Screen Display can be Supported.)				Dual Streaming	YES (Supported from CMS)
	,	Record					Mobility Tracking
Video Format		MPEG 4				Live GPS Tracking Display	Support Live GPS Tracking integrated with On-Line Map
Image System		NTSC		PAL		Live GPS Tracking Markers	Support up to 64 Live GPS Tracking Markers at the Same Time
Record Frame Rate (Max.)		120fps		100fps		Live Tracking View	Both Video and GPS Tracking can be Viewed at the Same Time
		up to 120fps	320x240	up to 100fps	320x240	Playback Tracking View	Video / GPS Marker / Tracking Route can be Displayed Simultaneously
Frame Rate /	Resolution	up to 60fps	640x480	up to 50fps	640x480		Customized Applications **OPTIONAL**
Record Adjustable		YES (Frame Rate / Resolution / Image Quality per Channel can be Adjusted)				Digital Tachograph	Through RS-232, Record Vehicle Data with Video
Power-On Auto Record		YES				POS	Through RS-232, Record POS Data with Video
Schedule Record		YES (Normal, Record, Motion Detect, GPI Trigger, MD+GPI)				Power Box	Supplying DC 12V to Cameras / Recording at Ignition OFF
Pre-Alarm Record		YES				GPO Box	Vehicle Use Relay Out, able to Control up to 30mA
GPS Tracking Record		YES				GI O BOX	Completed HDD Files Investigation
Weight Record		YES				Auto File Synchronization	Get Files through WiFi Network, Do the Investigation at File Server
Mutual Record **OPTIONAL**		Outside Data from POS / Digital Tachograph / Others can be Recorded				Direct Link into PC	Read Files by Linking into PC, Do the Investigation at PC
Water Mark		YES (Water Mark Supported for Preventing Fraud Image Modification)				Play with Another DVR	Read Files at another DVR, Do the Investigation at the DVR
Train man		Storage / Playback / Backup				Flay Will Allouler DVIX	OSD & DVR Control
Local Storage	9	Built-in with Removable HDD Tray, for 1 x 2.5" HDD (SSD also Supported)				GUI	YES (Friendly Windows-Like Graphic Interface Design)
Remote Site Storage		YES			o also oupported)	Authority Management	YES (1 Admin and 16 Users with Password Control)
Playback Method		Searched by Time, Motion Area or Events				PTZ Control	YES (Available via RS-485)
Playback Adjustable		For Snapshot Capture Only, Brightness and Color can be Adjusted				Multiple PTZ Control	YES (Available via Network through IE / CMS and Mobile Phone)
Thumbnail Browse		Quick and Accurate Frame Search with Time Zoom IN				Multiple PTZ Protocol	YES (Support Pelco-P, Pelco-D, and Panasonic etc.)
Backup Format		Propirtavy **AVI FORMAT CONVERTER AVAILABLE**				RS-485	YES
Flash Drive Backup		USB 2.0 Interface, Support Flash Drive / Pen Drive				RS-232	YES
HDD Backup		USB 2.0 Interface, Support Portable HDD				Mouse Control	YES (Available via USB 2.0 Interface)
DVD Backup		USB 2.0 Interface, Support External DVD Burner				Keyboard Control	YES (Available via USB 2.0 Interface)
Remote Site Backup		YES				Firmware Upgrade	YES (Available via USB / Network)
Network Neig		Video Files inside DVR HDD can be Visited via Network Neighborhood				CMS Software	Licensed Central Management System Application Bundled
	,boi	Event				Civio Coltware	General General
T		Supported with Motion Detection, Video Loss Detection and GPI Trigger				00	
Event Method Sensor Input		ALARM 4 INPUTS				OS Auto Occupation	Embedded Linux, OS and Firmware Embedded inside DOM
Sensor Input Sensor Output		ALARM 4 OUTPUTS				Auto Operation	YES (Auto Operation with Engine Ignition) For Avoiding Sudden High Voltage from Engine Start: 10 seconds
		N/O, N/C				Auto Power Delay ON	
Sensor Type Motion Detection		YES (15x20 Individual Sections per Channel can be Defined)				Auto Power Delay OFF	For Extending Recording while Driver is Still Inside Vehicle: 180 seconds
Motion Detection		YES (Sensitivity with 5 Levels can be Adjusted)				Configuration File Backup	Configuration File can be Backup for Further Restore or Upload
Motion Detection Sensitivity		YES (System Buzzer Warns when Alarm is Triggered)				Power Input	Wide Voltage Range DC 9V – 32V
Buzzer						Power Consumption	Low Power Consumption Only with 15W
Remote Event Notification		YES				Operation Temperature	Wide Working Temperature -10 ~ 60°C
Upload		YES				Humidity	10 ~ 90%
Event List Export		YES Separate per Channel can be Continued with CPI Triagger and Stored				Dimension	240(W)x160(D)x65(H)mm
Flexible GPI Snapshots		Snapshots per Channel can be Captured with GPI Trigger and Stored Snapshots within a Selected Period can be Exported in One Time				Weight	3kg
Consultate De	atch Export	Snapshots within	a Selected Period o	an be Exported in	One Time	Certificates	e-Mark(e13), FCC, US Military Standard MIL-STD-810F / G Certified













and Car Status etc



For Reading Files by
Linking HDD directly into PC

GPO Box

Vehicle Use Relay Out, able to Control up to 30mA



For Easy Switching the HDD with Extra HDD Tray





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