

OMNIKINE Mini Mobile DVR for Vehicles

1. Model # KDJV-04TH (C) for Sedan/SUV Cars with 12V Operation Voltage
2. Model # KDJV-04BH for Bus/Truck with 24V Operation Voltage

"Mini Mobile DVR is to protect Vehicles

- DVR comes close around us to protect all cars



Our Mission & Philosophy



“Your Digital Security Partner!
We Record Every movement in Digital !”

***** With DVR security systems, KPROTECH offers a selection of surveillance system equipment with pricing to ensure your business success in promoting to businesses as well as home owners *****

* Our Mission

Our mission is to Protect World, our families and business and assure your clients the peace of mind they deserve.

* Our Plan :

We aim to provide one of the most affordable and state of the art digital remote management systems available anywhere for the home and small business owner in our mission to help Protect World.

* Our Dealers' Benefits :

Because we aim to provide one of the most affordable and reliable remote management systems available anywhere for the home, vehicle and business owners, your ability to market to a wider demographics immediately increases your business.

* KPROTECH' s Goals

- Offer a full line of digital video remote management systems (DVR) that meet the high demand of business management requiring premium quality video recording.
- Provide members of our dealer network the very best prices on digital video remote management systems (DVR) and CCTV systems equipment to facilitate a dealer profit margin.
- Make our security systems affordable for families and small businesses.
- Protect World with state of the art DVR and security systems.




Why KPROTECH?

“KPROTECH’ s Mini/Mobile DVR to bring to everyone for Home & Car”

1. Quality Stability & Reliability
 - We keep best quality.
2. Full Product Range & Total Service Provider
 - From Industrial DVR to Mini/Mobile DRV for Home/Shop/Vehicles
 - Optimized Bundle Camera
 - Various Cable & Connector to be installed with any cars and application
 - Sister company to specialize installing system
3. Highest CPU Performance for best Video Quality
4. Mini/Mobile DVR to create new consumer/retailer market for House/Car as DIY
5. Strong on-the-spot Technical Support for various application & To Guarantee 3 Years of Warranty
 - Long-term Sustainability goals are our first priority
 - Technical Capability & after-warranty services are our first priority
 - Verify Connections & Examining Equipment to be done Quarterly Basis to ensure reliable performance by the mutual cooperation with our partners.

1. Mini Mobile Driving CAR DVR – Sedan/SUV Cars with 12V

General Car/Truck MINI Type (KDJV-04MH (C) : Same design and function as Mini Home DVR

Image	Key Specification	
	Model	KDJV-04TH (C)
	Model	KDJV-DC
	Model	KDJV-IR
<p>Packing</p>	<ul style="list-style-type: none"> - DVR Set, DC/DC Converter, AV Line Out Cable, Remote controller, Camera Input Cable (Audio/Video/Power Cable) : 4pcs to be required for connection with other cameras, 6 metered camera extension cable, User's Manual, Program CD, HDD Fixture bracket & Screws - To be able to pack with Mini Cameras of our design - Option : a. Mini Camera : Max. 4 mini cameras to be packed <li style="padding-left: 20px;">b. 2.5" HDD : Factory Default or to be outsourced from the market <li style="padding-left: 20px;">c. Camera Input Cable : - For our mini cameras – no need <li style="padding-left: 40px;">- For other cameras – 4 pcs of cable to be needed 	

- Simple design
- Super slim & compact size : 143(W) X 92(D) X 20(H) mm
- Car Black Box
- Recording Speed : 60fps (640 x 224)
- Records in 2.5" SATA HDD
- Record & Search by normal or motion detection
- Duplex (record and playback)
- Camera power supported (max. 250mAh) – low power consumption
- Camera to be displayed on Navigation Screen by connecting DVR & GPS through Line out cable
- Build-in DC/DC Converter to change Power into 12V, which monitor cars during driving through Cigar Jack
- External DC/DC Converter to be provided, which makes it possible to monitor cars by using car battery power, even during car engine off .
- And External DC/DC Converter cuts off power automatically when car battery is at low battery level of less than 10A to protect battery discharge.

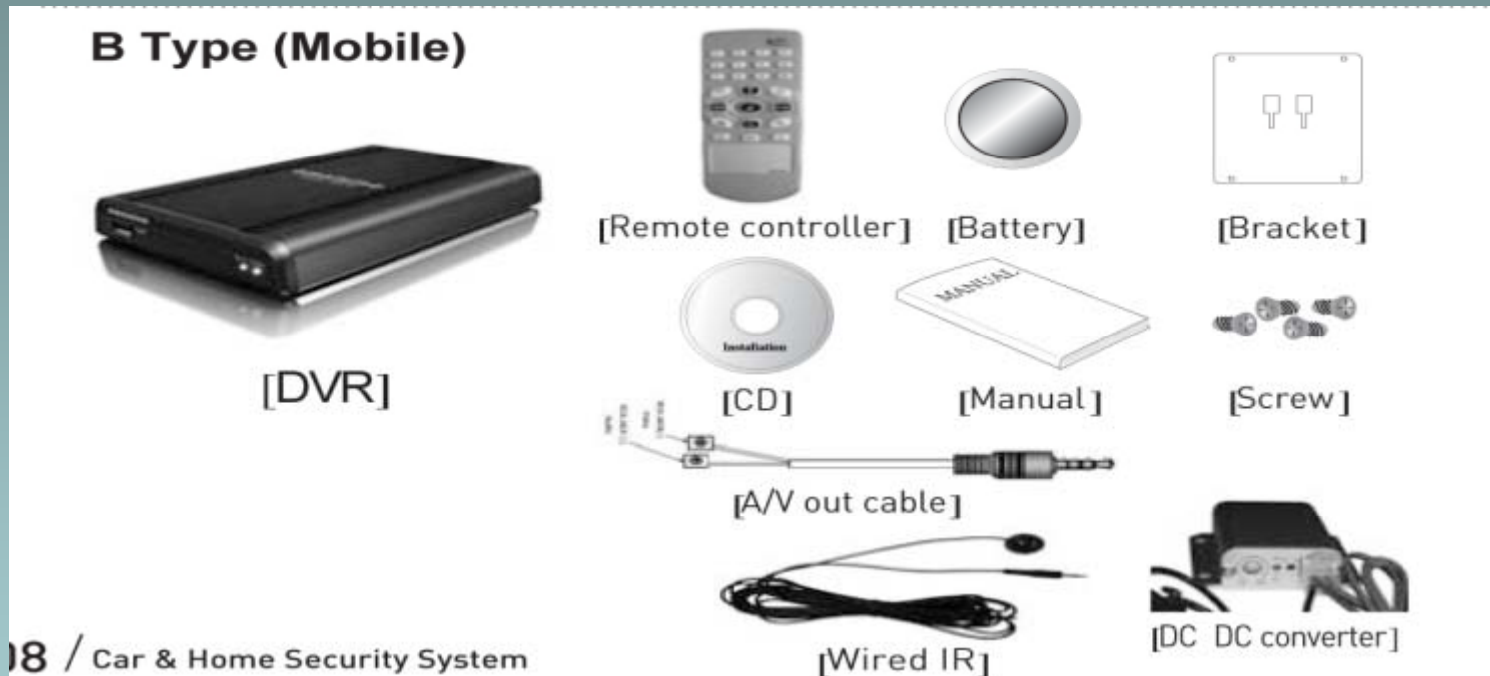
- External type of DC/DC Converter : To detect low battery voltage level and stop current at low battery voltage. Mobile Car DVR monitor Cars 24 hours per a day by car battery when car engine stops, with low power consumption (one camera's power consumption is 250mAh).
- If Car Battery is at low battery level, DC/DC Converter stop working DVR.

- Wired IR to be compatible with Remote Controller by connecting with DVR

*** Specification for OMNIKINE Branded MINI DVR (4CH) – KDJV-04TH (H)**

		KDJV-04TH
Video Signal	Video input	4 channel input (Phone jack) NTSC / PAL
	Video output	1 Output (Phone jack)
Compression		Motion JPEG
Multi Function		Real Time Watching / Recording / Playback (back up)
Display	Display resolution	NTSC – 720 x 480 / PAL – 720 x 576
	Display speed	Real time display
	Display mode	4, 1 screen
Recording	Recording resolution	NTSC - 640x224 / PAL - 640x272
	Recording speed	HD1(60fps)
	Recording mode	Continuous, Event (motion)
	Recording media	1 HDD (2.5" S-ATA Type)
Search		Event , Time
Backup		USB memory
Audio	Audio input	4 channel input (Phone jack)
	Audio output	1 channel output (Phone jack)
Viewer		Backup Viewer
System control		Remote Controller, External Controller (Option)
Language		Multi OSD (TBD)
System upgrade		USB
Others	Signal Loss Detection	Yes
	Motion Detection	Yes
	Motion Sensitivity	1-4
	Hidden	Yes
Power supply		DC 12V, 3A
Mechanical	Dimension	143(W) X 92(D) X 20(H)mm
	Weight	0.7 kg
Approval		FCC, CE,KTL

* Accessories



< Full Sets including all accessories >

- A/V Out Cable is to connect cameras far away with extension cable up to 6m or longer, as Option.
- Wired IR is workable with Remote Controller.
- Bracket is to fix DVR with a part of car for anti-shocking.
- DC/DC Converter is to monitor cars 24 hours through cameras and to cut off power when car battery is at low level.
- Built-in DC/DC Converter can be connected with Cigar Jack only for driving black box which monitors car only during driving.
- External DC/DC Converter is connected with car battery, or internal power sources like lamp and power jack, to monitor cars 24 hours.
- To be sold with Mini Cameras as a bundle : Mini Cameras to be installed in and out of the car.

* Business Model with Mini Car Mobile DVR



- DVR to be installed in the trunk by fixture bracket for anti-shock. DVR to be connected with car battery, or inside power sources such as Power Jack and Lamp.
- Exterior/Interior Cameras in super-mini size to be installed indoors for Frontside view & Backside view, and out outdoors beneath side mirrors for sideview.

* Recorded Video Clips to play back on GPS Screen through A/V line out cable

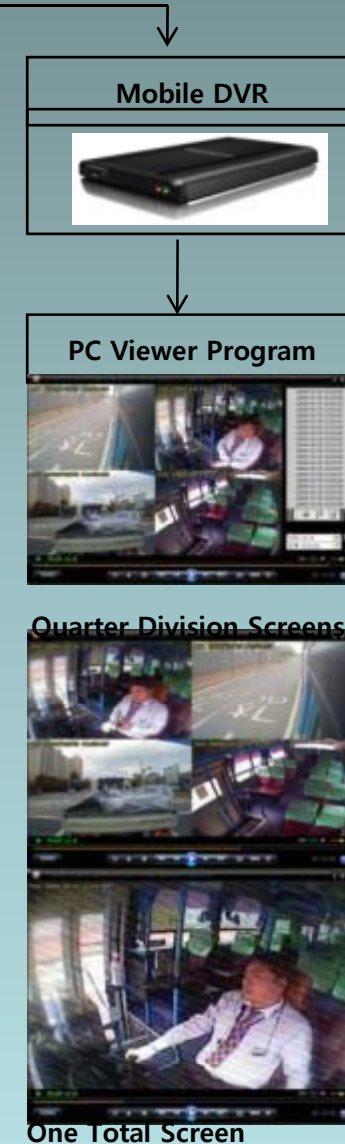
Front/Back Cameras to be installed inside cars



Both Side Cameras to be installed beneath side mirrors



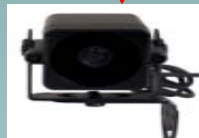
- To protect from traffic accident : Backview camera indicates parking line
- To protect from being stolen
- To protect cars being damaged



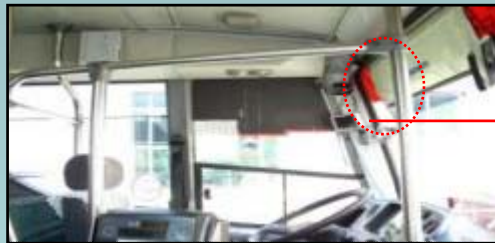
* Business Model with Mobile DVR for Bus



Exterior Water Proof IR Camera



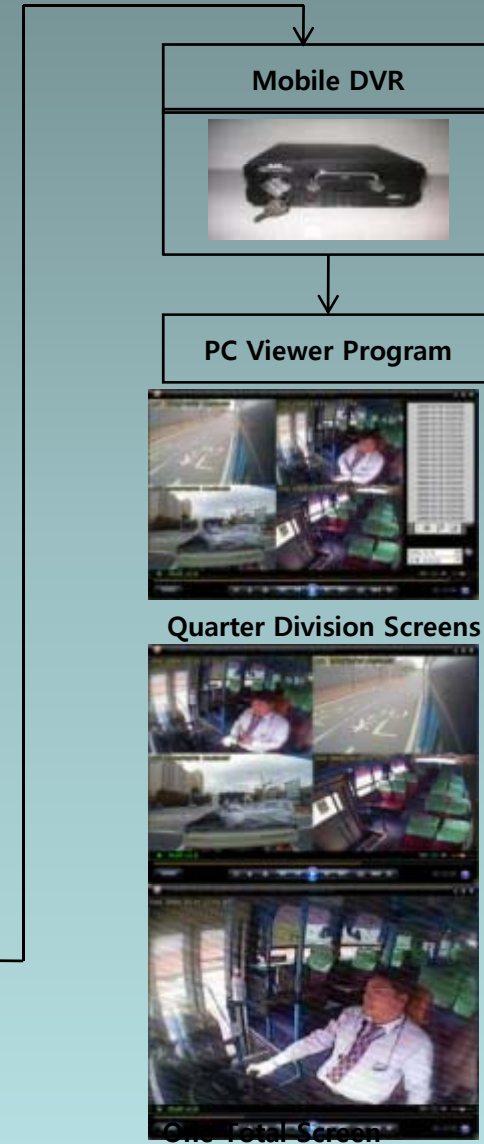
Front Camera



Interior IR Camera



Interior IR Camera



Mobile DVR



PC Viewer Program



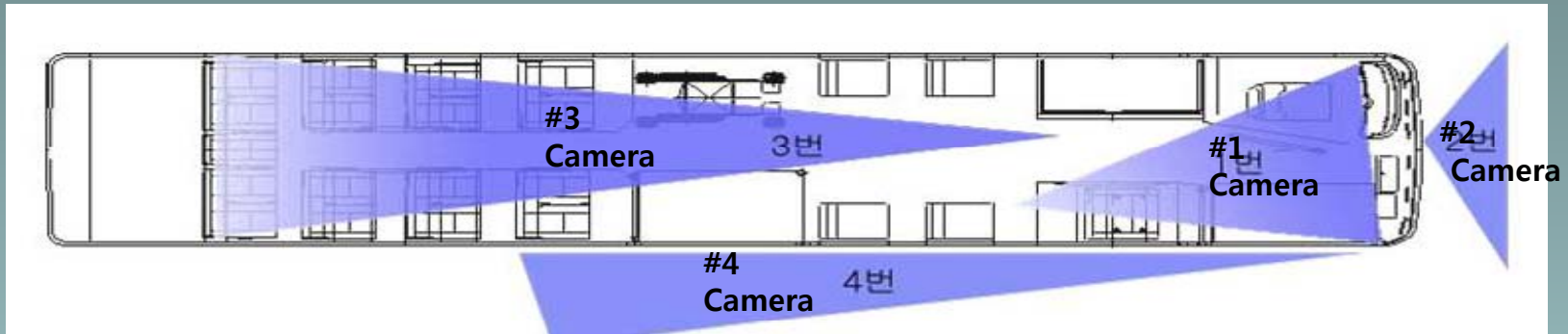
Quarter Division Screens



One Total Screen

* System Configuration for Mobile DVR & Cameras

H/W Composition



1. Camera

#1 Camera for Driver's Seat	#2 Camera for Frontview	#3 Camera for Indoors	#4 Camera for Outdoors
Audio IR Camera		Dome Camera	IR Waterproof Camera
			

2. DVR to be fixed to the roof side over driver's seat



Bus/Truck DVR's Business Concept

- a. To analyze the traffic accident's root cause and save time to settle out the accident.
- b. To judge the offender and defender of the traffic accident clearly.
- c. To protect traffic accident and minimize the economic damage due to the accident
- d. To force the driver safe driving service

* Necessity of DVR

To Expose all the data related a traffic accident by objective evidence
To Save Cost by Precise Analysis on the Accident & Safe Driving

Prompt Analysis and Settling Out When Traffic Accident

Reliability

Objectivity

Accuracy

Stability

① Precise Root Cause
for traffic accident

- ✓ Driving Status
- ✓ To Check Signal/Law Violation
- ✓ To Save Video

② To Save Investigation

- ✓ To Check the Accident Spot and Law Violator
- ✓ To Save The Innocent

③ To Judge the Fault

- ✓ To Judge fault of Death & Big Scale Accident
- ✓ To Protect Dispute From The Innocent

To Play Back Recorded Video Clips & To Analyze Traffic Accidents

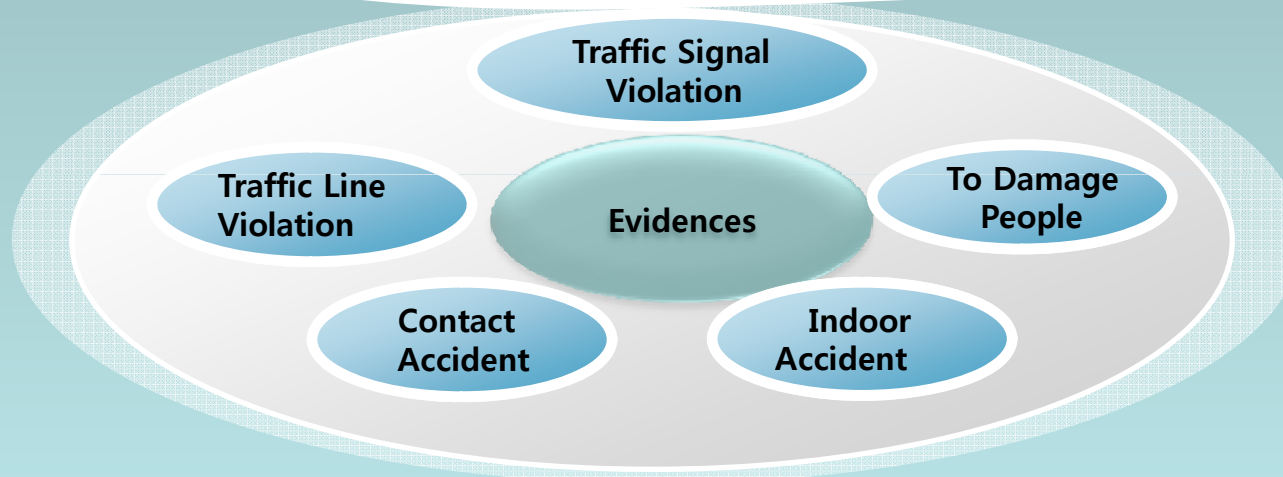
Bus/Truck DVR's Business Concept

What to be expected from Mobile DVR?

To Save Budget & To Maximize Business Effect



Effects From Securing Accidents' Evidences



Bus/Truck DVR's Business Concept

Business Background & Goal

- Bus/Truck Company To Secure Safety & Driving Evidences
- To Upgrade Company Image into High Level
- To Provide Stability to Passengers

To Set Up Stability/Safety in Bus Driving Areas & Effective Bus Information

Business Goal

- To Secure Safety for Passengers in the late night or Early Morning
- To Improve Car Driving Condition & Service for Passengers
- To Realize Bus Company Image into High Level
- To Set Up a Base for New Future Business Using Electronic Traffic Card

Background

① To Passenger

- ✓ To Satisfy Needs for Service Improvement
- ✓ To Meet Needs for Safety Last Night Or Early Morning

② To Bus/Truck Company

- ✓ To Cerate New Passengers by Improving Company Image as Popular Traffic Service Company
- ✓ To Secure Data for Accident & To Decrease Accidents by Educating Drivers.

③ City/Government

- ✓ To Advance Popular Traffic for bringing Better Image on the City
- ✓ To Set Up a Base for New Future Advanced Business