



Mobile AX1

Vehicle Driving Data Analysis System



CTV IRELAND.ie

CCTV SOLUTIONS



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- ❖ Safe Driving and Protecting Accident
- ❖ Safety for Passengers in Public Transportation Vehicles
- ❖ Protecting Crimes in Vehicles
- ❖ Storing Videos and Audios in Vehicle
- ❖ Storing Driving Data - Speed, GPS, & Sensors
- ❖ Usable as an Evidence for Accident or Crime
- ❖ Tracking Driven Situation or Status
- ❖ Playback Videos & Audios
- ❖ Retrieval Sensor Events in Vehicle
- ❖ Replace traditional Analog VCR
- ❖ Reliability and Stability is the Most Important

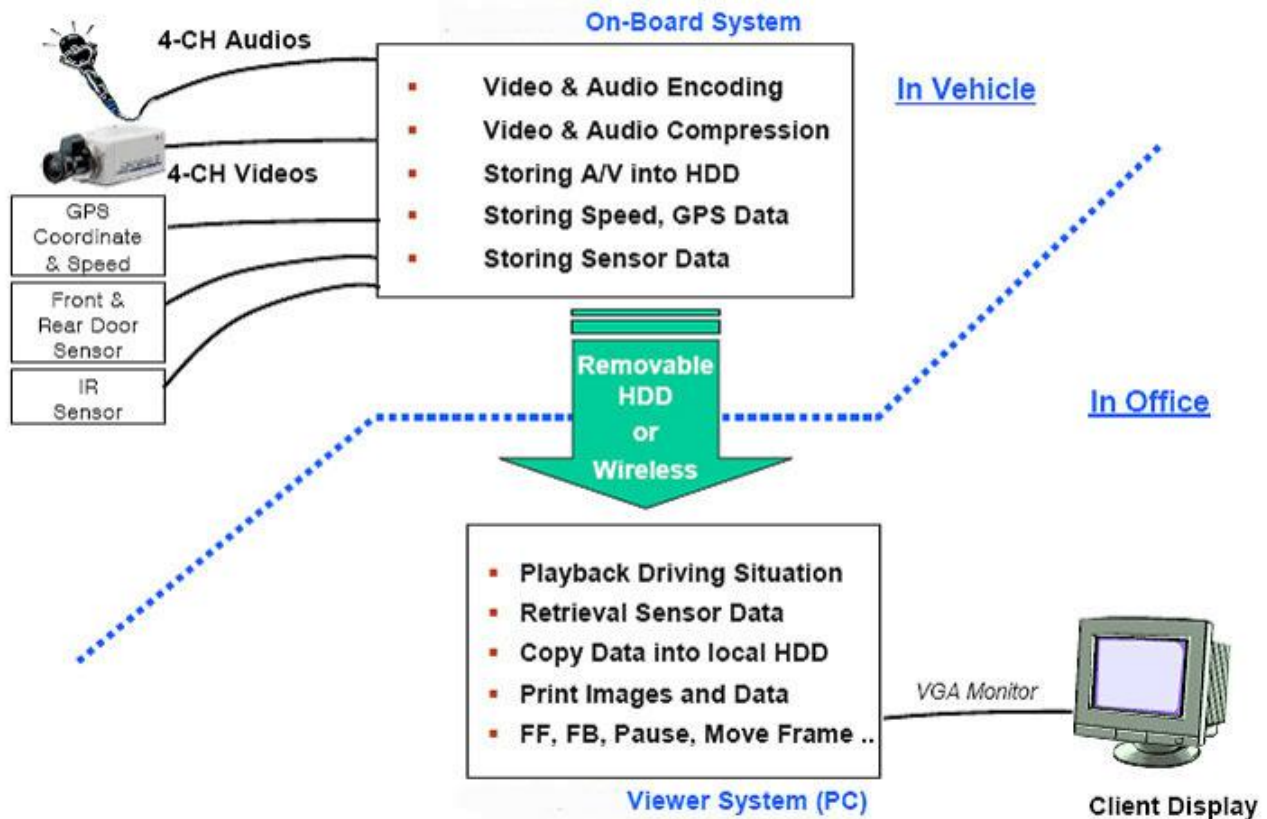


1) Compact, Portable & Ruggedized Product → Storing & Playback Video + Audio + Driving Data

- ❖ Storing 4 channels of Video & Audio
- ❖ Storing GPS Coordinate & Driving Speed, Front/Rear Door Open & IR Sensor Data
- ❖ Compact Dimension & Light Weight (3.3Kg – including 3.5" 160GB HDD)
- ❖ Our Own Removable HDD ← Use Lowest & Largest Standard HDD
- ❖ Perfect Anti-Shock & Vibration Chassis ← Very Specially Designed 3D Stainless Wire Spring
- ❖ Highly Reliable Embedded Linux basis Single Board Computer
- ❖ Easy Installation and Operation
- ❖ Playback data using existing PC & ← Docking Station
- ❖ Easy Playback, Retrieval & Print



2) MobileAX1 System Functional Separation



* Wireless LAN Interface is optional feature.

3) MobileAX1 System Chassis Design - Anti-Shock & Vibration Design in Moving Vehicles

- ❖ Use Largest & Lowest Price of HDD
- ❖ Design Anti-Shock and Vibration Chassis for Safe Running
 - 2 Levels of Absorbing Features
 - 1st : 3D Stainless Wire Spring
 - 2nd : Rubber Ring under the Main Unit
- ❖ Operation under Low & High Temperature
 - Use Aluminum Materials for easy Heat Sink
- ❖ Cover Unstable Electric Power Source from the Car
 - Operation from 8V ~ 28VDC Input
- ❖ Small Size & Light Weight for Easy Installation
 - 255(W) x 152(H) x 255(D) mm



Removing HDD from Docking Station



Installation View



4) **Mobile AX1** - Supports Various & Useful I/Os



5) **MobileAX1 Playback Window by using PC with Docking Station** - Quad Screen & Driven Speed





Callout labels for the interface elements:

- GPS Information
- Recorded Time
- Screen Control Buttons
- Program Exit Button
- Currently Selected Date (Yellow)
- Playback Control Buttons
- Display Speed Control
- Display Control
- No Data (White)
- Current Playback Point (Green)
- Data Exist (Blue)
- Current Selected Time (Red)



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5) MobileAX1 Playback Window by using PC with Docking Station – Trace Driven Route on the Map



MobileAX1 Playback Window by using PC with Docking Station - Full Screen



Thumb-nail Search Screen



6) MobileAX1 Product Specifications CCTV Ireland

Features	Descriptions
	Embedded Linux System
Processor	200MHz PowerPC CPU
Camera Input	Four(4) Channel of PAL or NTSC
Audio Input	Four(4) Channel
Display Speed	120 fps @ 320 x 240 res.
Recording Speed	120 fps @ 320 x 240 res. / 30 fps @ 720 x 480 res. for one Channel
Storing Data Format for Video	MPEG-4
Storing Data Format for Sound	MPEG-4
External Input / Output	MIC x 4, GPS , F/R Door Open Sensor, IR Sensor & extra Input
	4 x Alarm Out
	1 x Camera Loop Output
	4 x DC 12V Output for Cameras Power
Storage Interface	EIDE Type HDD (80GB, 120GB, 160GB, 250GB & 400GB)
Network Interface	10/100 BaseT Ethernet
USB Port	2 x USB 2.0 Ports
Serial Port	RS-232C Interface
Chassis Mount	Perfect Ruggedized Anti-Shock & Vibration Absorber
Operation Power	DC12V/5A or DC24V/2.5A
Dimension	Main Unit : 133(W) x 78(H) x 220(D) mm
	Including Absorber : 255(W) x 152(H) x 255(D) mm
Weight	3.3Kg including 160GB HDD and Anti-Shock & Vibration Absorber
Viewer System	Existing PC with optional Docking Station on VGA Monitor
Docking Station (optional)	Using Docking Station, Playback on PC Monitor