MOBILE DVR/NVR

IntraLogic Solutions is proud to introduce its fully embedded DVR for mobile vehicle surveillance and tracking. The DVR, equipped with a built in GPS tracker and dual streaming data capabilities, offers an easy and informative way to monitor your fleet.
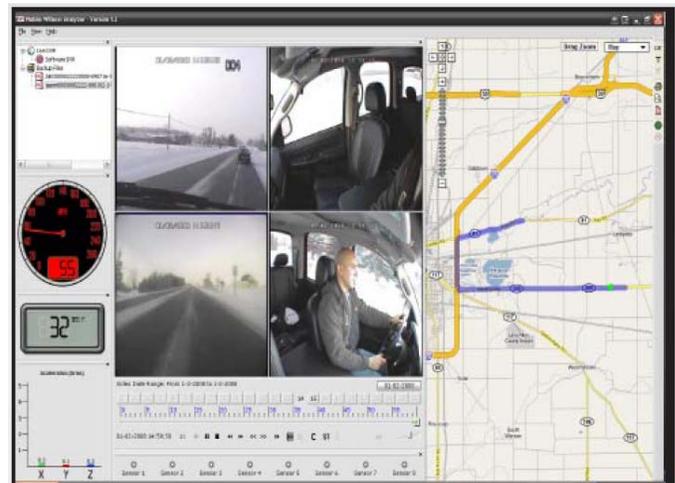

The IntraLogic Solutions Mobile Tracking DVR

FLEET VIEW

- View the location of your fleet easily on a map and easily select vehicles for in depth vehicle information and video feeds

- Monitor vehicle status and ensure vehicles are in their correct locations

IN VEHICLE VIEW

- View images from vehicle's on board cameras

- Track Vehicle on in depth local map

- Monitor vehicle speed

- Utilize bi-way communication to drivers and passengers

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MAIN SYSTEM FEATURES

Advanced 3G / 4G Streaming

Using our advanced 3G / 4G mobile streaming algorithm the system is able to compress and decompress video at a high speed allowing seamless real time video in low bandwidth environments. This technology also takes into account frequent cell tower changeovers allowing the mobile device to never lose connection when roaming between various cell sites.

On Board Communication Link with Vehicle, Bus and Transit Diagnostic Systems

The mobile DVR can tie in with various on board diagnostic systems, allowing for real time communications back to a command center with pertinent diagnostic information. Additionally, various alerts can be triggered and set points can be configured to allow for immediate notification in a command center environment.
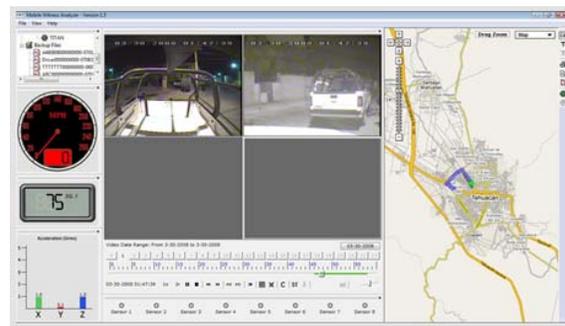
Fare Payment Integration

The system can tie in with RFID, HID and magnetic fare payment systems allowing for a single solution for customers entering a bus or other transit vehicle. The fair payment system can be tied in to existing point of sale infrastructure using an advanced SDK / API.

Student Tracking

Student Tracking is popular for school districts and educational facilities. Students will present their ID card to a reader when boarding and leaving the bus, allowing for the driver to know exactly who is on the bus at all times. Parents can also monitor their child and make sure they are on the bus and where they get on and off of the vehicle via text / email alerts.

Panic Button Tie In

With this feature, a panic device can be tied into the system to immediately alert the central command center or monitoring facility in the event of an emergency. Pressing the panic button on the vehicle will cause the image to pop up on the monitors at the command center or alert the proper emergency personnel.

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Depot Synchronization via WiFi

When the vehicle returns to a secure, WiFi network at a specified location, the system can be programmed to download and archive video, audio and other statistics to a permanent storage device, freeing up space on the mobile unit.

VSM

The mobile DVR comes pre-integrated with the ILS VSM system, allowing for real time monitoring of the vitals in the field. This VSM system allows for advanced notification of system or camera failure and allows for preventative maintenance.
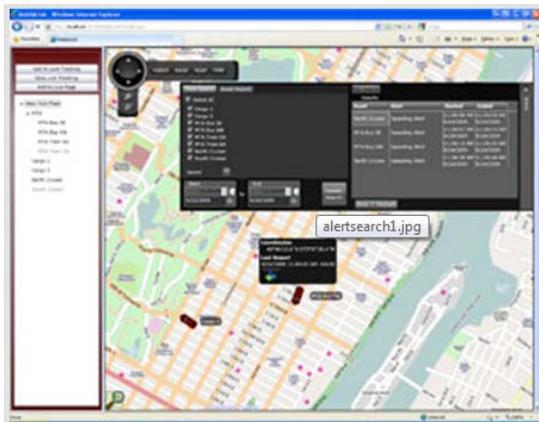
ADDITIONAL FEATURE LISTING

H.264 Technology for Video Compression	Optional 3G / 4G / Wimax Support
Available in 4 or 8 channels	VOIP Capability
USB Video Offload	High Resolution Encrypted Video
Removable Hard Drive / Solid State Options	Stand Alone Non-PC Embedded OS
Built in GPS	Dual Streaming Support

Technical Specifications

System	OS	Linux 2.6 (providing standalone stable operation system)
	Operation Interface	Hand-held, IR controller with On-Screen Display (OSD) for all operations of the MDVR
	Storage	SATA 2.5" HDD or 2.5"SSD
	Signal System	NTSC/PAL
	Input Voltage	8V-36 V,DC output 12V/3A, 5V/2A
Video	Camera Input	Up to 8 cameras
	Display	Video Window Screens 1/4/8
	Image Quality	8 – level adjustable
	Fwd/Playback speed	x2, x4, x1/2, x1/4
	Stream Standard	ISO14496-10
	Record Resolution	CIF(352x288 pixels for PAL, 360x240 pixels for NTSC), 1/2D1 (704x288 pixels for PAL, 720x240 pixels for NTSC), D1 (720x576 pixels for PAL, 720x480 pixels for NTSC)
	Image Compression	H.264
	Max FPS	200 / 240 FPS (25/30 FPS/CH at CIF, 12.5/15 FPS/CH at HD1, 6.25/7.5 FPS/CH at D1)
	Display Res.	TV Monitor 704x576 pixels for PAL at D1 / 720x480 pixels for NTSC at D1, 720x576 pixels for PAL at D1 / 704x480 pixels for PAL at D1
Audio	Audio Input	8 (mono)
	Audio Output	2 (mono)
	Audio Compression	ADPCM+G.726 (8kbps)
I/O Interface	TV-OUT	2 Composite Outputs with BNC connectors
	VGA	None
	LAN	1(RJ-45) 10M/100M Ethernet interface
	USB	1, support USB OTG Technology (USB2.0)
	Serial	RS-485x3, RS-232x2
Network	Protocol	TCP/IP
Alarm	Input	12 Total (8 input and 4 output, all of them can be customized by name)
	Multi-mode	Triggered by video loss, over speed, over temperature, HDD no space and so on
Power Requirement	Ignition Switch	Device operate once ignition power on/ auto shutdown delay after ignition power off
	Power Consumption	Average 10W (with HDD)
	Power Adapter	8-36V DC. Typical 12V DC @ 5A, 24V @ 3A
Physical Characteristics	Height	72 mm / 2.83 in.
	Width	170 mm / 6.69 in.
	Depth	201 mm / 7.91 in.
	Weight	2.5kg 5.51 lb)
Value-added Function	Motion Detection	N/A
	Record Mode	Manual, continuous, schedule, event
Others	HDD	HDD Bay – 1 SATA HDD, EXT2 Format
	Storage Mode	2.5" HDD, SD (Supports SDHC)
	Time Clock	Built-in clock, perpetual calendar
	GPS Function	Optionalbuilt-in module with GPS antenna
	Wireless Communication	3G/EDGE/GPRS/CDMA wireless transmission with external option
	Data R/W mode	FIFO
	Time Synch	GPS Time Synch / NTP (Network Time Protocol) Time Synch via network connection
Environment	Operating Temperature	0-55 C (if temperature is below 0 C, please use built in heater)
	Relative Humidity	5%-80%
	Vibration Resistance	< 2 Grms