

# 247 SECURITY

# MOBILE DVR'S



## PRODUCT OVERVIEW

The 512 & 514 is the evolution of 247Security's 500Series Digital Video Recorders.

Packed with VIDEO+PLUS™ technology and more user friendly features, the new 512 & 514 has taken the 500Series to the next level in performance.

A new extruded casing helps to keep all this extra performance cool under pressure, while still wrapped in the same compact footprint.

Playing back video is easier than ever, with our latest DVRViewer™ software application.

Offering greater value and more options than ever, 247Security brings more than just a video system. With 247Security VIDEO+PLUS™ you get a complete, easy-to-use, all-in-one information management solution.

### NEW FEATURES INCLUDE:

- ▶ No ventilation fan (for 2 channel system) for cleaner operation
- ▶ Optional built-in WiFi & RF900 Modem to connect with our HandsFREE™ wireless data transfer application.
- ▶ GPS-enabled to work with 247Security's MiniTRACK™ application, allowing you to review the path of the bus, speeding, idling, stops, and more.
- ▶ New camera options, including our ShieldCAM™, expand the range of your training and incident review capabilities.

# 512<sup>A</sup>

## mDVR

# 514<sup>A</sup>

mobile  
digital video  
surveillance  
systems

## HIGHLIGHTS

- USB 2.0 Flash Memory, makes video transfer simple
- Audio Channel for each Video Channel
- No ventilation fan (for 2 Channel system), prevents dust build-up
- Removable Hard Drive, optional Solid State Drive, USB 2.0 connectivity
- Standard 300+ hrs. of storage, expandable to 1000 hrs.
- Event-Marking Button for easy event reviewing
- H.264 Compression for greater storage capacity
- Input Sensors for lights, brakes, doors, etc.
- 704x480 recording resolution for crystal clear images on all channels
- GPS-ready for recording speed & location data
- Low power consumption means cooler operation
- Snap Connectors and small footprint makes installation easy

mDVR  
500  
SERIES

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## FEATURES

## mDVR512A Specifications mDVR514A Specifications

Recording Channels	2 Video and 2 Audio	4 Video and 4 Audio
Recording Video resolution	Selectable each channel up to 704X480 with NTSC cameras, and 704X576 with PAL cameras	Selectable each channel up to 704X480 with NTSC cameras, and 704X576 with PAL cameras
Recording Frame Rate	Selectable each channel up to 30fps per channel	Selectable each channel up to 30fps per channel
Compression Technology	Modified H.264	Modified H.264
Video Quality setting	Very low, Low, Medium, High, Very High	Very low, Low, Medium, High, Very High
Storage Medium	Removable HDD(160-500Gbytes), Solid State Drive (16-64Gbytes)	Removable HDD(160-500Gbytes), Solid State Drive (16-64Gbytes)
Storage capacity	Hard Disk Drive: 300 to 1000+ hours Solid State Drive: 30 to 300+ hours	Hard Disk Drive: 300 to 1000+ hours Solid State Drive: 30 to 300+ hours
Auto Overwrite	Yes	Yes
Easy Retrieve Event/Marked video using USB Flash Memory	Yes, Automatically retrieval event marked video/audio, GPS data, with USB Flash Memory stick	Yes, Automatically retrieval event marked video/audio, GPS data, with USB Memory stick, there is no user intervention
Network Interface	10/100Base-T on RJ45 on the front panel	10/100Base-T on RJ45 on the front panel 10/100Base-T with POE on RJ45 on the rear panel
Video & Audio out port	Yes, Can display single or quad screen	Yes, Can display single or quad screen
Locked Event/Marked video clips	Yes, Event marked video clips are locked and will not be erased until they are retrieved from the DVR using USB Memory stick or by Wireless Network	Yes, Event marked video clips are locked and will not be erased till they are retrieved from the DVR using USB Memory stick or by Wireless Network
GPS	Yes, Optional GPS module with 15' cable, recording vehicle speed, GIS locations data, and super-imposed on the video screen. Ready to use with MiniTrack™ and SmartServer™ to display the historical events and route on a map	Yes, Optional GPS module with 15 feet cable, recording vehicle speed, GIS locations data, and super-imposed on the video screen Ready to use with Minitrack™ and SmartServer™ to display the historical events and routes on a map
User Interface	Web browser with full control and setting	Web browser with full control and setting Easy setting and configuration and video playback
Battery Back up	Real Time Clock battery support up to 10 years of data retention	Real Time Clock battery support up to 10 years of data retention
Delay shut down timer	Yes, user selectable from 1second to 60minutes	Yes, user selectable from 1second to 60minutes
OSD (On Screen Display)	Date and Time, Vehicle Name, Camera Name User selectable sensor status	Date and Time, Vehicle Name, Camera Name User selectable sensor status
OSD Sensor input names	Yes, each sensor can be configured with alphanumeric name	Yes, each sensor can be configured with alphanumeric name
DVR Name	Alpha Numeric name starting with a letter	Alpha Numeric name starting with a letter
WiFi	Optional HandsFree™ built in WIFI 802.11g External side mounted and side mirror mounted antenna	Optional HandsFree™ built in WIFI 802.11g External side mounted and side mirror mounted antenna
Temperature protection	Smart Temperature Protection has its own micro controller to prevent the system operating outside the safe zone	Smart Temperature Protection has its own micro controller to prevent the system operating outside the safe zone
Ventilation Fan	No Ventilation fan required	Yes, with filter
RTC accuracy	Real Time Clock drift less than 3 minutes per year With GPS, drift less than 1 minutes a year	Real Time Clock drift less than 3 minutes per year With GPS, drift less than 1 minutes a year
Sensor inputs	One Event Marker or Panic button 5 sensors inputs for (Brake, Amber, Stop Arm, Left turn, Right Turn)	One Event Marker or Panic button 8 sensors inputs for (Brake, Amber, Stop Arm, Left turn, Right Turn...)
Error Indicators	Video Lost, Fail to record, System error	Video Lost, Fail to record, System error
Transient Protection	Yes	Sensors and ignition inputs are protected up to 200VDC
Event Marker w/ system status LEDs	Yes, one connector for Event Box (Panic Button) with three system status LEDs (System On, Video Lost, Recording Status)	Yes, one connector for Event Box (Panic Button) with three system status LEDs (System On, Video Lost, Recording Status)
Operating voltage	8V to 28V	8V to 28V
Operating Temperature	-22°F to 130°F / -30°C to +55°C	-22°F to 130°F / -30°C to +55°C
Dimensions	8.75" X 2.1" X 7.5"	8.75" X 2.1" X 7.5"
Power Requirement	Less than 8W excluding cameras	Typical 12W excluding cameras
Mounting orientation	Vertical, Horizontal, Oblique	Vertical, Horizontal, Oblique
Weight	1.5kg / 3.1 lbs	1.5kg / 3.1 lbs

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