

# SCHOOL CAMERA BUS SYSTEMS

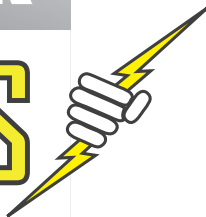
BUILT FOR THE ROAD.



## OVERVIEW

mDVR

ZEUS



Zeus is the latest school bus camera system from 247Security, designed with a flexible range of offerings, from entry level to professional-grade applications. Start with a low-cost one-camera system, and migrate to the most advanced system as your needs grow—without losing your initial investment.

Add up to 8 total cameras, wireless automation, passive GPS or live vehicle tracking, and ground-breaking Dual-Stage Hybrid Drive (DHD) technology; and you get bulletproof durability with massive storage capacity—for the ultimate fleet video management system.

*Talk to your 247Security representative today to see the latest innovation in digital video!*

## HIGHLIGHTS

### No Ventilation Fan

Maintenance-free operation

### No HDD Recording

Reliable video without data corruption

### 30.30 Vision

Full 30fps frame rate on ALL channels

Proudly Designed &  
Manufactured in the  
USA & Canada

247  
SECURITY

## KEY FEATURES

- **Wireless Automation**

*Video/GPS/Vehicle data automatically delivered to your computer.  
Manage video and configure systems right from your office.*

- **Vehicle Battery Protection**

*Integrated cut-off timer to isolate Camera System  
from vehicle battery 6 hours after ignition is off.*

- **Email Warning Notifications**

*Automatically receive email alerts on your computer  
or mobile device should any issues arise.*

- **Over 1-Month of High Quality Video Storage**

*Zeus with DHD provides high storage capacity (320GB to 2TB)  
without compromising on video quality (720 x 480, 30fps)*

- **DHD Solid-State Drive Recording**

*DHD combines the rugged reliability of Solid-State Drive recording  
with the storage capacity of Hard Disk Drives, into one single removable unit.*



DHD

*Dual-Stage Hybrid Drive (DHD) is a new patent-pending video storage technology, developed by 247Security to eliminate issues associated with conventional hard-disk-based camera recording systems. DHD is so tough, we confidently back it up with an industry first 10 year warranty on the DHD drive.*

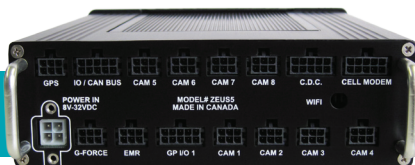
10 year  
warranty.  
On Dual-Stage Hybrid Drive

247Security Inc. reserves the right to update information contained in this document without prior notice. Please contact us for the most up-to-date information. v.05.01.013

### ERS-OCI Wireless

Indiana Offices: Bloomington, Columbus,  
Elkhart, Evansville, Fort Wayne, Indianapolis,  
Kokomo, Ligonier & Muncie  
Kentucky Offices: Lexington & Louisville

800-475-3320  
www.ers-oci.com



# mDVRZEUS Specifications

## Feature Specification

<b>Video Resolution:</b>	Each camera can be independently configured to record at resolution up to 720x480
<b>Frame Rate:</b>	Independently configured recording frame rate from 1fps to 30fps
<b>Recording Modes:</b>	Automatically starts recording when ignition is on, or when triggered by sensor input
<b>Compression:</b>	H.264
<b>User Interface:</b>	Web-browser-based with full control and setting
<b>Data Retrieval</b>	Removable storage device, USB memory stick, wireless (optional)
<b>Auto Over Write:</b>	Yes
<b>Driver Marked Video Clip Protection:</b>	Yes, marked video clips by driver or by an event are protected, not erased until removed from DVR using USB memory stick or wireless automation
<b>Video Storage options:</b>	32GB/64GB/128GB SDHX/SDHC, or 60GB/128GB SATA SSD, or 320GB HDD, or 500GB/1TB/2TB DHD (Dual-stage Hybrid Drive)
<b>GPS Receiver:</b>	Optional GPS receiver with 15' cable, recording vehicle speed, GIS locations data, superimposed vehicle speed and GIS location data on video screen. When used with 247Security's back end software (TouchDown™ server or MiniTrack), user can search for historical information of a vehicle or group of vehicles, what/where/when and how an event took place.

## Feature Specification

<b>Delay Shutdown Timer:</b>	User selectable from 5s to 2 hours
<b>Super-Imposed Data on Video (OSD):</b>	Date and time, vehicle ID, sensor status, vehicle speed and GIS data with GPS option installed, fully user configurable
<b>Real Time Clock Accuracy:</b>	Drift less than 3minutes per year, Drift less than 1 minute with GPS option
<b>Number of Sensor</b>	8 sensor inputs plus driver Event Marker push button
<b>System Status LED</b>	Recording LED, video lost LED, system power on LED
<b>Network Interface:</b>	10/100-base-T (Optional 802.11n WiFi)
<b>Operating Temperature:</b>	-22°F to 149°F / -30°C to +65°C with Flash or SSD or DHD Storage, -22°F to 122°F / -30°C to +50°C with HDD Storage, built in heater
<b>Dimensions:</b>	2.14" x 6.47" x 8.63" / 5.4cm x 16.4cm x 21.9cm
<b>Weight:</b>	3.15lbs. / 1.43kg
<b>Power Requirement:</b>	Typical 7W plus 2W per camera
<b>Over/Under Voltage Protection:</b>	Yes, -10V to 150V
<b>Operating Voltage:</b>	8V to 28V
<b>Vehicle Battery Protection</b>	Built in timer to disconnect the Camera System from Vehicle battery 6 hours after ignition is off, draws less than 4ma

## Packages

### Entry-Level School Bus Camera System

1 to 4 Camera System with Flash Card Video Storage

<b>Video Storage:</b>	32GB SDHC or 64GB/128G SDXC flash card
<b>Storage Time:</b>	120 hours on 32GB flash card with 1 camera, 120 hours on 64GB flash card with 2 cameras
<b>Ideal For:</b>	<i>First time digital video purchase. System can be expanded to 4 cameras and storage capacity can be increased at any time. This system will adapt to advanced 247 MiniTrack GPS, Driver Performance and TouchDown™ wireless management systems when you are ready.</i>

<b>Options:</b>	60GB SATA SSD, 320GB/500GB/1TB DHD removable dual stage hybrid drive with 10-year warranty, can store more than 200 hours of video, WiFi, GPS, Wireless Automation, Email warning notifications, G-Force Sensor, advanced 247 MiniTrack GPS, Driver Performance and TouchDown™ wireless management systems.
-----------------	---

### Deluxe School Bus Camera Systems

1 to 4 Camera System with over 1 month of video storage capacity

<b>Video Storage:</b>	320GB DHD drive with 10-year warranty on DHD, or 320G HDD
<b>Storage Time:</b>	More than 200 hours with 4 cameras
<b>Ideal For:</b>	<i>Replacement of old technology or implementation of a solid surveillance and liability management solution. Ready for integration with advanced 247 MiniTrack GPS, Driver Performance and TouchDown™ wireless management systems.</i>

### Professional School Bus Camera Systems 6

Complete with 1-2 Stop Arm Cameras and up to 5 Interior Cameras

<b>Video Storage:</b>	500GB DHD drive with 10 years warranty on DHD
<b>Cameras:</b>	Up to 6 cameras
<b>Storage Time:</b>	More than 300 hours with a combination of interior and exterior cameras
<b>Ideal For:</b>	<i>Complete Stop arm camera system for school bus that needs up to 4 interior cameras, and makes most of its bus stops on two-lane roads; OR for school bus that needs more than 4 cameras</i>

<b>Options:</b>	1TB/2TB/3TB DHD removable dual stage hybrid drive with 10-year warranty, can store more than 500 hours of video, WiFi, GPS, Wireless Automation, Email warning notifications, G-Force Sensor, advanced 247 MiniTrack GPS, Driver Performance and TouchDown™ wireless management systems.
-----------------	--

### Professional School Bus Camera Systems 8

Complete with 3/4 Stop Arm Cameras and up to 5 Interior Cameras

<b>Video Storage:</b>	1TB DHD drive with 10 years warranty on DHD
<b>Cameras:</b>	Up to 8 cameras
<b>Storage Time:</b>	More than 300 hours with a combination of interior and exterior cameras
<b>Ideal For:</b>	<i>Complete Stop arm camera system for school bus that needs up to 4 interior cameras, and makes most of its bus stops on 4-lane roads; OR for school bus that needs more than 6 cameras</i>

247Security Inc.reserves the right to update information contained in this document without prior notice. Please contact us for the most up-to-date information. v.05.01.013



## ERS-OCI Wireless

Indiana Offices: Bloomington, Columbus, Elkhart, Evansville, Fort Wayne, Indianapolis, Kokomo, Ligonier & Muncie  
Kentucky Offices: Lexington & Louisville

800-475-3320

www.ers-oci.com