



Exterior Side & Rear View Cameras
 IP67 rated with 360 degree camera rotation for Side View or horizontal applications

American Bus Video

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 25 years Mobile Digital Sales & Service Experience

100% Solid State
 Built in G-Sensor
 Built in GPS Module
 Built in Wi-Fi Wireless

SD4D & SD4DW

Low Cost School Bus Surveillance

GPS Speed & Mapping
 Dangerous Driver Charting
 10-Year Warranty Available
 Automated Data Download



Choice of Cameras



SD4D - Basic Series SD4W - GPS & Wi-Fi download



Choice of Cameras



SD4D DVR is the basic budget version for those wishing Video & Audio w/o bells and whistles.
 The SD4W is for those who wish GPS vehicle speed, On Screen Mapping, Wi-Fi Wireless Data Download.
 The Driver remote LED DVR Status Indicator permits driver to verify condition of system in case of problem.

Leading Features Built Into SD4D & SD4W School Bus Driver Safety Series Event Recorder

- GPS built into DVR for vehicle speed and Free On Screen Mapping via Google maps
- Wi-Fi Wireless module built into DVR for Automated data file download via Wi-Fi
- 256 GB 100% Solid State Digital memory capacity, Twin SD bay, for rugged reliable data memory storage
- 4-channel DVR can accept up to 4 cameras with 4 channels of audio (School Buses are noisy)
- Built in Accelerometer / G-Sensor Charting documents Dangerous Driving Behaviors
- Active Driver Safety Alerts when they exceed safe driving thresholds
- Mosaic "Blurring" software to protect children identities during playback
- GPS School Bus Speed & On Screen Mapping available on "SD4W" model
- USB 2.0 Port & \ RJ45 LAN port on "SD4W" model
- Enhanced File Security, Unauthorized users cannot play files on their PC w/o Dedicated Video Player software
- Remote DVR Status Indicator so driver can verify function when DVR mounted in hidden location (optional)
- D1 high resolution & H.264 compression for images 4 times clearer than CIF technology
- 10-Year Extended Warranty available on this 100% Solid State DVR
- Loyalty Reward DVR Upgrade Eligibility, Future DVR Upgrade for less than 1/2 cost of new DVR

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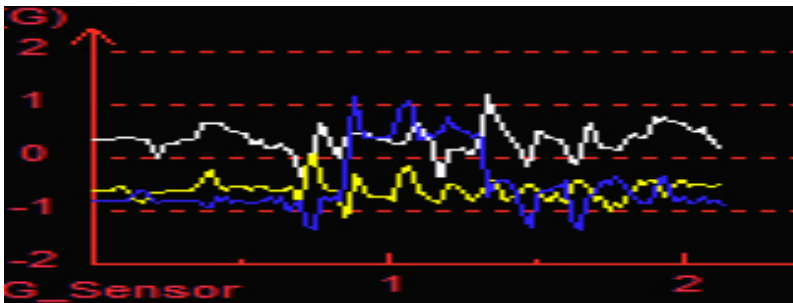
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25 Years of Fleet Driver Safety System Sales & Service Experience

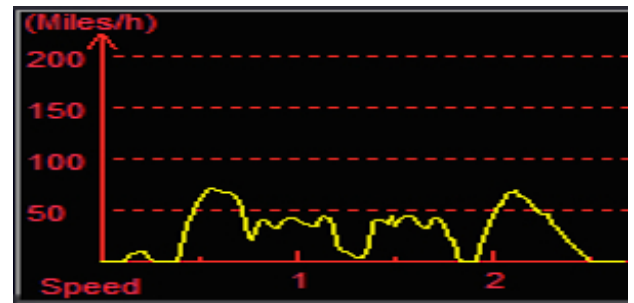
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SD4D incorporates Built in 3-Axis Accelerometer & G-Force Sensor

The “SD4D” provides sequential impartial documentation of potential dangerous driving behaviors that can adversely affect your fleet equipment investment or drivers safety and help provide a driver risk management safety tool that can be used to highlight and document Dangerous Driving Behaviors. Active Driver Safety Alerts can help drivers learn what not to do.



Dangerous Driving Behaviors Charting



Speed Charting for Speeders



Stop Dangerous Driving Behavior



Without Monthly Cellular Service Charges & Managed Solution Fees

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SD4D & SD4W DVR Specifications

Items	Device parameters	Performance index
Name	Product Name	SD4D or SD4W
System	Operation System	Linux
	File System	Proprietary Format
	System Privileges	User Password
Video	Video Input	4ch Independent Input: 1.0Vp-p□75Ω. Color Cameras
	Video Output	1 Channel NTSC Output, 1.0Vp-p, 75Ω, Composite Video Signal
	Video Display	1 Or 4 Screen Display
	Video Standard	NTSC: 30frames/Sec
	System Resources	NTSC: 120 Frames
Audio	Audio Input	Four Channels Independent Input 600Ω
	Audio Output	1 Channel (4 Channels Can Be Convert Freely)
	Basic Output Level	1.0—2.2V
	Distortion Plus Noise	≤-30dB
	Recording Mode	Sound And Image Synchronization
	Audio Compression	ADPCM
Digital Processing & Storage	Image Compression	H.264 Fixed Code Stream
	Image Format	NTSC: 4@D1 (704*480)
	Video Stream	CIF: 24K-112KByte/s; HD1 & D1: 24K-192KByte/s;
	Video Storage Consumption	CIF: 85M-394MByte / hour / channel HD1 & D1: 85M-675MByte / hour / channel
	Playback Resolution	NTSC: 4@D1 (704*480)
	Audio Bitrate	4KByte / s / channel
	Audio Storage Consumption	14MByte / hour / channel
	SD Storage	Double 128GB SD card storage, Support 128GB
Alarm	Image Quality	Eight Grades to Choose
	Alarm in	4 Channels Input. High Voltage Trigger
USB Interface	Alarm out	1 Channels output
	Host Access	Option For USB Disk Backup
Network Interface	Wire line Access	Option RJ45 Ethernet Port
	Wi-Fi	Option Wi-Fi Module Outside (SD4W)
	3G	Option WCDMA or CDMA2000 Module Inside
GPS Interface	GPS	Option to Expand GPS Module Inside
Extend Interface	RS232	Option to connect with other vehicle equipment
	RS485	Option to connect with PTZ Camera
	Intercom	Option to Expand Intercom Module Inside
	G-Sensor	Option to Expand G-Sensor Module Inside
Others	Power Consumption	DC8-36V 5% 80mA without HDD
	Working Temperature	-20°C ~ +85°C
	Clock	Built-In Clock, Calendar
Dimension	Product Size	154(L) x 190(W) x 52(H) mm
	Product Weight	0.9KG

All DVR specifications, features, GUI, hardware subject to frequent change by the manufacturer without notice. ABV provides no CMS server installation support, no CMS server setup support, no training or technical support in the use or operations of any customer Wi-Fi network, or CMS software program provided. Those who wish to use Wi-Fi network features must provide their own in house MCSA trained staff to setup the network, program the DVRs and maintain the system integrity for proper function. Memory storage affected by FPS, resolution & number of cameras.

Important Note; Enhanced Video File Security, Unauthorized users cannot see and or play files on their PC w/o Dedicated Video Player software. Most PCs will not recognize SD card file format unless the dedicated video file Player Program is running on the PC.

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