

# SafeDrive MiniDVR™ Mobile Digital Video Recorder



*The SafeDrive MiniDVR™ provides high quality mobile digital video recording in a compact and affordable package. It uses both a forward-facing camera as well as a rear-facing cabin camera to record video, audio and metadata to convenient CompactFlash® cards.*

## Easy Installation

The SafeDrive MiniDVR installs easily with the included bracket directly to the windshield. Its small size leaves an unobstructed view of the road and requires no modification of the dashboard or console, making it adaptable to any vehicle in your fleet.

## Two Integrated Cameras

An integrated forward-facing camera captures video of the road, while the rear-facing camera captures the vehicle cabin and driver, allowing for a comprehensive view of critical events. An auxiliary rear vision camera installed on the rear of the vehicle can easily be added for even more versatility.

## Convenient CompactFlash Storage

The SafeDrive MiniDVR utilizes convenient and economical CompactFlash cards of any capacity to store recorded video. The card is secure behind a lockable door. Audio, global positioning system (GPS) data, and G-force data also are recorded.

## Features

- Recording is triggered manually, in the event of a crash, while speeding, or by erratic driving
- Entire system is integrated into one rugged housing
- Multicolor LEDs provide visual device status inside or outside the vehicle
- Rear-facing cabin camera features three infrared illuminators for low light recording
- Battery backup ensures events are recorded even with a loss of power
- Optional antenna available for increased GPS reception

**SPECIFICATIONS**

**SafeDrive MiniDVR™**

Video Signal	Color composite NTSC
Archive Media	CompactFlash®
Image Sensor	1/4-inch color CMOS (x2)
Resolution	380 TV lines
Lens	2.5 mm (front)/3.6 mm (rear)
Light Sensitivity	1 lux
Auxiliary Output (1)	Configurable as N.O. or N.C.
Auxiliary Inputs (4)	2V-24V = active, GND = Inactive
Power Input	+12VDC or +24VDC
Dimensions (w x h x d)	5.0" x 4.5" x 1.5" (114mm x 127mm x 38mm)
Weight	0.6 lbs. (.27 kg)

**Architectural and Engineering Specification**

The mobile digital video recorder (MDVR) shall be a Safety Vision SafeDrive MiniDVR. The MDVR shall be 5 inches by 4.5 inches by 1.5 inches in size. The MDVR shall weigh 0.6 pound. The MDVR shall consume 12 volts at 300 milliamps (3.6 watts) when the vehicle is on. The MDVR shall consume 15 milliamperes (parasitic current drain) when the vehicle is off. The MDVR shall output a color composite NTSC video signal. The MDVR shall utilize 0.25-inch color CMOS image sensors in both the front- and rear-facing cameras. The MDVR shall utilize cameras with 380 TV lines of resolution. The rear-facing camera shall incorporate three infrared LEDs. The MDVR shall have a vertical sync frequency of 60 hertz. The MDVR shall record video at 720 by 240 pixels. The MDVR shall play back video at 720 by 480 pixels, non-interlaced. The MDVR shall record the global positioning system time and date, longitude and latitude, and x- and y-axis G-force data synchronized with the video and audio. The MDVR shall utilize a 32 megabyte synchronous dynamic random access memory video/data buffer. The MDVR shall utilize a forward-facing camera with a 2.5-millimeter lens with a 62-degrees horizontal, 54 degrees-vertical viewing angle. The MDVR shall utilize a rear-facing camera with a 3.6-millimeter lens with a 82-degrees horizontal, 73-degrees vertical viewing angle. The MDVR shall utilize an auxiliary output configurable as normally open or normally closed. The MDVR shall utilize CompactFlash memory cards of any size as a data storage device. The MDVR shall have a condenser microphone for recording audio during all events. The microphone shall have the ability to be programmed as On or Off. The microphone shall record audio at 16 bits and 8 kilohertz. The MDVR shall contain a battery backup power source.



Forward-facing view



Rear-facing view

**CORPORATE HEADQUARTERS**

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