

# The Secure, Vehicle Mounted, Incident Recording System

## Abstract

The Secure, Vehicle Mounted, Incident Recording System is an advanced Event Data Recorder designed for gathering, analyzing and storing information for the purpose of motor vehicle accident investigations. It is comprised of an on-board computer which captures input from live video cameras, along with a synchronized data file including unique vehicle identification numbers, time and date, and other inputs such as, motion sensors, speed indicators, brake sensors and the like. The recorded file is encrypted and stored on large capacity, authorization-code accessible device. Once recorded, the encrypted accident file cannot be altered or corrupted, decrypted without the encryption key, or accessed without the access authorization code. The file can be downloaded and used as evidence. This system is dubbed "EVICAM™" and is being developed by Evicam International, Inc., Highlands Ranch, Colorado 80126.

Benefits of such a system include:

- 360° live video views surrounding vehicular accidents
- Much faster and more scientifically accurate accident investigations
- More detailed and accurate information for future use in mass accident analysis, which will be very helpful in accident prevention and mitigation, spotting safety trends, providing automotive manufacturers with data to help build safer vehicles, and ultimately saving lives.
- Streamlining Insurance Company Claims Operations
- Lower costs of claims and insurance rates
- Concrete evidence to help fight Insurance Fraud (\$21 Billion Annually in U.S)
- A reduction in Road Rage due to accountability
- Faster Emergency Medical Response for accident victims
- Fewer accidents due the "Sentinel" effect. (EDR's in Europe have shown that vehicles equipped with non-video EDR's have an accident reduction rate of up to 28%.)

This product is in final development stages and will be available in early 2002.

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