



RoboCAM – Digital Video Management System



RoboCAM is made up of 4 components: **RoboEYE**, **RoboHUB**, **RoboPRY** and **RoboSYNC**. All four provide for an integrated digital video management system designed for large municipalities, but cost effective for the smallest of

agencies. It allows for agencies to start with smaller projects and grow into managing multiple vehicles and fixed locations. The RoboCAM is integrated to the Robo III Mobile Data Computer, so no need to have a trunk mounted PC.

RoboEYE – Mobile Management System

The **RoboEYE** system is RoboVu's complete mobile management solution designed specifically for the Public Safety sector. The RoboEYE captures video and audio from the vehicle's video Processing Unit on either a continuous or incident-triggered basis. The system provides live viewing of in-vehicle cameras and review of archived video/audio data. In addition, metadata can be captured using XML technology. The type of metadata recorded can include GPS LOCATION and Customized Metadata such as Radar Gun data, etc. To ensure the integrity of the files, all video files captured by the RoboEYE can contain up



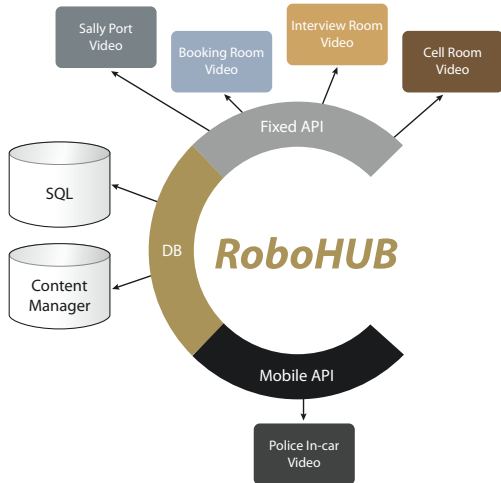
to a 248-bit Digital Signature for video authentication. The RoboEYE also features automated wireless upload of all captured data for hands-free operation by the Police Officer. Data upload is accomplished through an encrypted wireless network via a virtual private network tunnel. Once uploaded, the captured data is automatically managed by the RoboHUB (Central Management System).

The RoboEYE is an easy-to-use, secure, and robust solution that maintains an open-architecture approach and integrates cutting-edge technology.

Features

- Capture of video/audio data up to an MPEG4 digital format @ 30fps. Full motion DVD quality.
- Capture of GPS and customized metadata using XML technology.
- Configurable 5 minute "pre-Incident" video/audio data capture.
- Automated wireless upload of captured video/audio and Metadata.
- 248-bit digital signature video authentication ensures the integrity of captured video/audio data.
- Unique compressor / decompressor (CODEC).
- Triplex operation: Officer can view, review and capture simultaneously.
- Optional live streaming of vehicle cameras through wireless technology to remote Locations.
- Optional interoperability with wireless pocket PC devices.
- Optional connection to remote Enabled Systems through wireless Technology.
- Optional video file bookmark capability for tagging important incidents.
- Optional attachment of video files to case files through the Central Management System.
- Optional command vehicle mode.

RoboHUB – Smarter Digital Video Management



RoboHUB is not a stand-alone DVMS (digital video management system); it is the back end that manages all the video and evidence collected.

RoboHUB is integrated with the DVMS RoboEYE, enabling you to upload, store, protect and retrieve important video footage from multiple sources - fixed and mobile. It enables you to manage all your important video with one user-friendly application.

Unlike conventional systems that store video by camera or group of cameras, RoboHUB manages video by what's most important: the event. Based on criteria you define, RoboHUB determines where the event video is stored, how long it's saved, whether it's backed up and who can access it automatically.

For example, the video camera and DVR in a police car may record many

events during an officer's shift. Using the Association Matrix and Storage Matrix features, you can configure RoboHUB to treat each type of event differently: Video from a routine traffic stop could be saved on a network server for 90 days. A suspected DUI could be retained for a year, with that video automatically backed up to redundant storage. Video from a hit-and-run incident could be flagged so only selected personnel can access it.

RoboHUB adds value to RoboEYE for many applications: For a school district, RoboHUB could enable you to manage fights or incidents of graffiti by their own criteria. In a retail environment, you could separate shoplifting incidents from other events. And in a transit setting, you could configure your system to treat video from accidents and video from incidents among passengers differently.

RoboPRY – Real Time Video Recording & Viewing

RoboPRY is a highly secure software application designed for electronic recording of law enforcement interviews and interrogations. RoboPRY allows multiple users to simultaneously view live and recorded video and playback

interviews from any authorized computer on the network. And by combining RoboPRY with the enterprise level digital video management software, RoboHUB, you can manage both fixed and mobile video together in one place, allowing

secure evidence storage from the moment a suspect is arrested to the time they appear in court. RoboPRY preserves the chain of evidence and provides a powerful and effective tool for the public safety officials' arsenal.

RoboSYNC – High Security File Transfer Utility

RoboSYNC is a custom-built transport system that improves the efficiency of file transfers as well as simplifying the configuration and maintenance of both the server and clients. This technology allows the software to have more control over the actual file transfers and reception. In addition, as part of the "File Integrity Check" system, the RoboSYNC grants even better file integrity controls than before. All the functionality and benefits are transparent to the user and are designed to simplify the life the integrator/installer.

While many of these improvements are internal to the software and its design, the benefits for RoboHUB and RoboEYE users will be welcomed as upload times are decreased, installation and maintenance is simplified, and a greater degree of file security is experienced.

Provides higher security than standard FTP transfer utility.

Although FTP is a commonly used protocol for exchanging files over a TCP/IP based network, it lacks many modern features due to its adherence to an older protocol scheme and can be limited by the FTP server and client applications that host it. By creating the RoboSYNC you will be able to achieve a greater degree of control and speed enhancement. In addition, the RoboSYNC authenticates MD5-hash security so it is a more secure system for transferring files.

Enables faster large file transfers.

The RoboSYNC allows faster file movement of larger files than traditional FTP file transfers.

Reduces the amount of configuration time needed by the user.

The RoboSYNC eliminates a number of steps from the set up process, thus reducing the time required by the user to set up the system and minimizing the possibility of incorrect configuration.

Supports Roaming Upload.

RoboSYNC is flexible to be configured to transfer files to only one dedicated RoboHUB server or to transfer files to any precinct at any location using a RoboHUB server. For example, an emergency response vehicle would be able to transfer files to multiple precincts based on the location of their vehicle at any given point in time.

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