Video Acquisition and Storage

Made Easy

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Specialized capture software, combined with a portable 32GB thumb drive, simplifies video acquisition for all levels of users.

Today, hardly a crime goes unrecorded by some type of image or video recording device. This means that law enforcement officers in the field must be able to easily capture, share and store digital video evidence in a forensically sound manner. Ocean Systems has introduced the Omnivore, a password protected, dual partitioned, secured USB thumb drive. This portable USB drive includes unique, powerful and easy to use software designed to aid in the acquisition and storage of digital video and image evidence in a forensically accepted process.

Flexible

The standalone Omnivore manager program lets the user allocate the 32GB of dual storage space between the password protected secured partition and the unsecured (nonpassword protected)

partition. This allows for even greater user flexibility when a large acquisition of sensitive digital evidence is crucial.

With Omnivore, first responders and Forensic Video Analysis (FVA) professionals alike can arrive on scene knowing that they will walk away with an exact uncompressed copy of the video evidence and uncompressed still images which they need to investigate the case.

Omnivore is the newest product from Ocean Systems which offers multimedia evidence clarification and case management systems like its ClearID and dTective to local, state and federal law enforcement agencies. This lossless digital video capture and 32GB storage device makes the acquisition of digital media evidence simple, accurate and affordable. Indeed, its low cost could allow the Omnivore to be issued to an entire police agency.

Omnivore captures digital evidence directly from the Digital Video Recorder (DVR) security system on which the evidence was recorded. Then, this visual evidence can be viewed instantly on a computer display, eliminating the need to load hard to find proprietary viewers and codecs. Omnivore's "Optimization" feature provides the playback settings of the DVR based on the DVR system's

performance. This ensures that there were no dropped frames at the time of the video acquisition. Omnivore also generates a report which includes the DVR model, capture stats, location, time and more.

Self-executing

Unlike other screen capture software, Omnivore is designed to be self-executing from the thumb drive, so you can grab an uncompressed copy of the original video directly from the DVR system it was recorded on without requiring Windows® Administrative rights from the host computer.

An easy to use tabbed interface provides step-by-step guidance for quick and simple capture and export of the digital evidence. Omnivore captures uncompressed raw video (.OMV), as well as uncompressed TIFF or BMP images. Outputs include sequential uncompressed TIFF/BMP formatted images, QuickTime® video using an uncom-pressed TIFF codec and uncompressed AVI.

Omnivore is designed to work on all Windows-based DVR systems. For Linux-based DVR systems, Ocean Systems even supplies a crossover cable.

About the Author: Bill Siuru is a retired USAF colonel. He has a Ph.D. in mechanical engineering from Arizona State University. His military assignments included teaching engineering at West Point, commander of the research laboratory at the U.S. Air Force Academy and Director of Engineering at Wright-Patterson AFB. For the past 35 years, he has been writing about automotive, aviation and technology subjects.