



2009 NAB Show Preview Fast Forward Video Booth N2819

Fast Forward Video

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FFV at the 2009 NAB Show:

Supporting a Cost-Effective and Seamless HD Workflow

In today's challenging economic climate, broadcasters face a true balancing act: how to deliver the high-quality HD programming their viewers demand while at the same time controlling costs and operating expenses. In order to satisfy these seemingly at-odds requirements, operators are taking a hard look at ways to streamline their production workflows to deliver the highest quality output as cost-effectively as possible.

As the manufacturer of the broadcast industry's most comprehensive range of high-quality digital video recorders (DVRs), Fast Forward Video (FFV) understands these challenges firsthand. FFV's product line includes DVRs for on-location sports, key and fill, video assist, portable recording, and in-studio slow-motion, animation, and commercial insertion. FFV DVRs support industry-standard file formats such as QuickTime[®], removable and transferable storage media, as well as full JPEG 2000 (J2K) recording, simultaneous playback and record, time-lapse recording, and loop record/playback capabilities.

At the NAB Show, FFV will present its Superior Workflow Technology (SWiFT) concept of HD workflow and demonstrate how leading-edge DVR technologies can provide an integrated, cost-effective solution for simplifying even the most complex broadcast workflows.

FFV will demonstrate SWiFT through the following phases:

Step I: High-Quality Acquisition

An effective HD workflow begins with the capture and recording of the HD image at optimal quality — in other words, as close to the raw camera signal as possible. FFV's award-winning Elite HD[™] is the first camera-mounted DVR and player to harness the J2K compression codec for recording HD-SDI video signals. Designed to mount on the back of a camcorder, the Elite HD accepts an incoming HD-SDI video signal with eight channels of embedded audio and records at data rates up to 100 Mbit/s with 4:2:2 sampling and 10-bit quantization at near-lossless compression.

Photo Link: www.wallstcom.com/FFV/EliteHD.zip

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Step II: Seamless File Transfer at the Lowest Cost per GB

The Elite HD™ records video on commercially available, hot-swappable 2.5-inch SATA drives, which provide up to 10 times more storage at a much lower cost (47 cents/minute) than the traditional onboard media of camera recorders. Once the camera input is captured and recorded, the drive can be easily removed from the Elite HD and brought directly into any editing system via the USB connection on the drive enclosure. This eliminates the step of having to play the video out or transfer it to another device. The result is a smooth and unbroken workflow from the point of capture to edit.

Step III: Versatile In-Studio Editing

Because the J2K compression codec is not supported by standard Macintosh®- or PC-based editing programs, the Elite HD™ places a wrapper around the incoming video file to enable it to be imported directly into any editing system, thereby avoiding a workflow break for file conversion. Importing files is as simple as dragging and dropping them into a timeline, once the detachable drive from the Elite HD has been connected to the computer via USB.

Step IV: Playback

For high-end recording and playback, FFV's Omega HD™ DVR can record either SD or HD video with J2K compression and up to 100 Mbit/s. Using the Omega HD recorder, users can simultaneously record, play, and store multiple SD and HD video files and create video clips, loops, and playlists using the simple-touch front-panel or RS-422 controls. These features make the Omega HD an ideal solution for graphics, key and fill, station automation, commercial insertion, and instant replay applications.

A common fixture in mobile broadcasting vehicles for key and fill applications, the Omega HD can also provide a powerful and fully integrated alternative to high-end instant replay servers such as EVS XT[2]. The Omega HD is fully compatible with EVS controllers, providing exceptional image quality at less than half the cost per channel.

Because Elite HD™ and Omega HD drives are removable and interchangeable, operators can incorporate camera footage captured by the Elite into key and fill and other applications for playout by the Omega HD — simply connecting the drive via USB and dragging and dropping the files onto the Omega HD drive.

Photo Link: www.wallstcom.com/FFV/OmegaHDdeck.zip

Also at the 2009 NAB Show: Portable DVR Solutions for Maximum Flexibility

Mini DVR Pro™

The Mini DVR Pro™ is an ultra-compact stand-alone DVR with enhanced features that make it ideal for broadcast, military, surveillance, law enforcement, and emergency first responder applications. Currently used by engineers covering the X Games, the Mini DVR Pro is small enough to fit in the palm of a hand, slip into a pocket, or hang on a belt. Measuring only 5.2 inches by 3.7 inches by .8 inches, the Mini DVR Pro delivers exceptional image quality with such features as scalable motion-JPEG compression and outstanding 720 x 486-pixel image resolution. The Mini DVR Pro uses solid-state CompactFlash and is equipped with an onboard USB 2.0 port for downloading files. The unit is powered by four AA batteries or low-voltage DC power input combined with low power drain for full portability.

NDT200™

The NDT200™ is a compact portable DVR designed for video professionals in broadcasting, law enforcement, security, and government — including the U.S. Department of Homeland Security. The perfect drop-in replacement for tape-based recording devices, the NDT200

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simplifies operations with an intuitive user interface and provides instant access to video recordings via the removable 2.5-inch SATA hard drive or the onboard USB 2.0 port. The NDT200 combines a soft-button user interface with large push-button controls and PC software that make operations instinctive even for new users.

eClips

eClips is a cost-effective and easy-to-use DVR for live broadcast production. In a single compact package, eClips gives broadcasters and cable providers instant, on-the-fly access to video still/clip stores, animated graphics, and audio clips for enhancing live news, sports, and educational programs. Available for either SD or HD (SDI) broadcast, eClips provides large touch screen controls for unprecedented ease of use. eClips is ideal for local TV stations and corporate A/V producers, as well as for rental and staging companies that produce live events.

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