

# New Products



JVC's GY-HD100U camcorder.



Sony's SRW-5500 videotape recorder.

## Camcorders

JVC has announced the GY-HD100U, a full resolution HD progressive camera recorder. The camcorder's true 24 frame/sec capability enables recordings to be transferred to 16mm or 35mm film with full HD fidelity, without frame rate conversion. The GY-HD100U utilizes three newly-developed 1/3-in. CCD image sensors, each one featuring an array of 1280 x 720 pixels (approximately 1 megapixel), with micro lenses. Eliminating the need for image scaling, its native resolution matches that of most HDTV displays. In addition, the GY-HD100U provides realtime playback in all major DTV formats, allowing easy conversion of recorded data to other formats, while preserving top quality. The camera allows for extensive user customization including settings for gamma and skin tone detection. All user parameters can be stored on a removable SD memory card and can be transferred to another GY-HD100U if desired. The camera includes a standard detachable 16x Servo Fujinon HD lens. Other available lens options include a 13x (3.5mm) wide zoom HD lens, a wide-angle converter for the standard 16x lens, and an adapter, allowing standard 1/2-in. lenses to be used on the camera. A patented "focus assist" function highlights detail in the viewfinder to facilitate high-definition focusing.

Sony has introduced two new high-end professional camcorders designed for high-quality standard-definition acquisition in an array of applications. The MSW-970 records in the MPEG IMX format and the DVW-970 records in the Digital Betacam format. Both camcorders are based on 2/3-in. Power HAD EX CCD imaging sensors and feature 14-bit A/D converters. The camcorders are also based on a common chassis, software, and feature set. Both feature a slow shutter feature, up to 16 frames, enabling unique effects and extreme low-light shooting, as well as time lapse-capture and picture cache recording capabilities.

## Encoder

Ligos has announced the availability of the MediaRig Encoder SD. Suitable for broadband, satellite, and terrestrial applications, the encoder is now available as a complete "out of the box" 1RU rackmount system, capable of processing two channels. It supports standard-definition MPEG-2 (MP@ML and 4:2:2P@ML) video, simultaneous encode of dual inputs with built-in multichannel multiplexing (MPTS/MCPC), or as individual TS streams (SPTS/SCPC), constant and variable bit rate, MPEG and Dolby Digital audio, PSI/SI control tables, and output to DVB-ASI, file (including IMX), and UDP multicast via IP.

## Synchronizer

Leitch has announced the launch of the X75SD, next-generation, standalone standard-definition processor/synchronizer, featuring dual SDI synchronization for digital users. For users

requiring analog conversion, the synchronizer provides the option of two leading composite input decoders: the high-quality, 3-line adaptive PQM decoder, found in both the current DPS-575 and 6800+ modular platform; or the industry-leading 3-D adaptive decoder, which is offered as part of the NEO series of advanced applications. The X75SD can be field-upgraded to provide HDTV up-, down-, and cross-conversion, complete with HD synchronization. For remote monitoring applications, it comes standard with thumbnail capability of the video passing through the unit. As an option, the synchronizer accommodates an MPEG-4 monitoring streaming module that generates an IP-based compressed stream that can be viewed with industry-standard players.

## Video Test System

Tektronix has announced the MTS400 series compressed video test system that provides the ability to automatically monitor, analyze, and debug live and deferred time video transport streams. The system also provides high-performance analysis along with realtime video over IP monitoring, analysis, and recording support for broadband video and video-on-demand applications. It offers fast time to problem resolution on video transport streams. With a new program-centric graphical user-interface, the MTS400 series enables both developers and evaluators of compressed video equipment to quickly isolate and investigate protocol faults. The MTS400 series also provides monitoring and analysis of live and file-based compressed video including MPEG-2, MPEG-4, H.264, and VC-1.

## Videotape Recorder

Sony has introduced the SRW-5500 videotape recorder. The VTR provides multifORMAT recording flexibility in one unit and can be used for play-to-air or server ingest operations. It can record and playback HDCAM and HDCAM SR tapes at 24PsF, 25PsF and 30PsF, as well as 1080/60i, 1080/50i, and 720/60p (the HDCAM SR format can record/playback at 720/60p while the HDCAM format can record at 1080i and provide format conversion to playback at 720/60p). The unit captures content to tape at 440 Mbits/sec at 10-bit depth (log or linear), using the advanced MPEG-4 Studio Profile compression scheme, which enables virtually lossless recording. The VTR also records 12 channels of 24-bit uncompressed audio and features metadata handling, dynamic tracking playback, pre-read, and confidence playback and recording.

**JVC**, [pro.jvc.com](http://pro.jvc.com)

**Leitch**, [www.leitch.com](http://www.leitch.com)

**Ligos**, [www.ligos.com](http://www.ligos.com)

**Sony**, [www.sony.com/professional](http://www.sony.com/professional)

**Tektronix**, [www.tektronix.com](http://www.tektronix.com)