

New Products

Camera System

The microwave-equipped ProHD Libre system from JVC Professional Products Co., provides native 60P HD capture, recording, and transmission through a compact, on-board camera-back transmitter. The system features a JVC ProHD 200 series camera with a built-in super encoder that generates a high-quality MPEG-2 stream. The HD mini-coder camera-back transmitter accepts the camera's compressed signal at 20 Mb/s via the IEEE 1394 connection and modulates it at 64-QAM, then transmits COFDM with an 8 MHz bandwidth in the 2 GHz channel. The entire transmitter is the size of a small outboard battery and uses the same mounting hardware. In a typical remote ENG configuration, the receiver would feed the encoded ASI signal directly to a truck's microwave for relay back to the station. No additional encoding or delay is required.—<http://pro.jvc.com>

Converter

DVEO has announced the HD Spigot, a small handheld converter between HDMI and HD-SDI. Spigot allows broadcasters and content providers to interface new HDMI devices to professional HD-SDI equipment. HD Spigot converts HDMI to HD-SDI in realtime. It supports unrestricted (No HDCP) HDMI devices, such as Sony HDV cameras and others. The HD-SDI output is fully compatible with SMPTE 292M. The converter supports 1080i or 720p HD.—www.dveo.com

HD Encoder

LSI Corp. has introduced the DX-1810 high-definition realtime encoder. The 1080p60-capable encoder is a scalable platform that supports H.264, MPEG-2, and VC-1 compression formats. The DX-1810 is suitable for TV program content delivery as well as for Blu-ray and HD DVD realtime authoring systems. It features a programmable architecture with common APIs, which makes it easy to upgrade the encoding quality and reduce the output bit-rate as improvements are made to the H.264, MPEG-2, and SMPTE VC-1 encoding algorithms or to support new compression formats as they become available. The DX-1810 is backward-compatible with other LSI encoding solutions, allowing reuse of previously developed software.—www.lsi.com

HDTV Receiver

Plexor has announced the PX-HDTV500U mini digital HDTV receiver. The USB stick-sized device, weighing less than 20g, allows users to watch, pause, and record crystal-clear HDTV on most Windows-based laptop computers. The receiver includes software that automatically scans for free air-to-air digital and HD signals in the area. The signals are

pulled in by a digital flat antenna. The receiver features a Hi-Speed USB 2.0 interface for easy connectivity with laptops running Windows 2000/XP/Vista operating systems. In this basic configuration, users can watch, pause, and record live TV with standard-definition TV and HDTV video resolution. Recorded TV is converted to MPEG-2 files in realtime and stored on the hard disk drive. The receiver supports the U.S. DTV Standard ATSC protocol for free air-to-air digital terrestrial TV and audio program playing. The tuner frequency is 42-864 MHz, with a 6 MHz bandwidth. The receiver also supports advanced viewing features such as automatic channel scanning, picture-in-picture, aspect ratios of 4:3 and 16:9, full-screen view or scalable screen for multitasking, and still-picture capture.—www.plexor.com

Module

Telecast Fiber Systems has announced the Viper II SW6031 module for switching between SMPTE hybrid camera cables, triaxial adapters, and fiber media. This new module is capable of switching among three different HD camera-cabling configurations from inside the studio or OB truck without requiring a re-patch at an outside-access I/O panel. The SW6031 provides complete switching control of both the optical and copper signals present on a SMPTE 911M cable. The integrated optical power meter and onboard status display provide instant feedback on system operation. The integrated SHED (SMPTE Hybrid Elimination Device) permits switching to ordinary single-mode fiber cable ports on the I/O panel.—www.telecast-fiber.com

Play-to-air-server

Avid Technology, Inc. has unveiled the MediaStream 9000 system, the newest addition to the company's comprehensive line of MediaStream HD and SD play-to-air-servers. The new system extends the broad playout functionality of the MediaStream family with version 3.31 software that supports Sony XDCAM HD and Long-GOP HD and SD media formats. The system is built around the new Palladium Store 2000 storage architecture, providing the option to choose either 250 Gbyte or 500 Gbyte storage drives, with capacity of 15 drives per array. Furthermore, customers can link together a total of eight Palladium Store 2000 arrays, providing up to 48 Tbytes of storage per MediaStream 9000 chassis.—www.avid.com

Serializer

Gennum has announced an integrated serializer that targets emerging "prosumer" products such as digital camcorders, mixers, and recorders. The GS1582 high-definition/standard-definition serial digital interface (HD/SD-SDI) serializer features an internal audio multiplexer integrated with video processing for both HD-SDI and SD-SDI. Additionally, the GS1582 is compliant to industry standards, including the SMPTE 299M and SMPTE 272M-A/C. The device supports up to eight channels of 48 kHz audio, which supports Dolby 5.1 and is required for many emerging prosumer applications today. The input audio can be AES, I2S, or serial digital audio, for designers targeting a variety of applications.—www.gennum.com