

New Products

Encoder

Digital Rapids has announced the Digital Rapids AVC encoder, an optional encoding module for Digital Rapids' StreamZ, StreamZHD, and DRC-Stream media encoding solutions and Stream Transcode Manager distributed transcoding system. Supporting the encoding of AVC content for playback on consumer electronics devices, the encoder is powered by Nero Digital technology and expands the existing MPEG-4 and AVC/H.264 support in the Digital Rapids Stream product family with increased encoding speeds, including realtime encoding at maximum quality from live standard-definition sources and faster-than-realtime transcoding from files. The system supports baseline and main AVC/H.264 profiles, simple and advanced MPEG-4 Part 2 profiles, and AAC and high-efficiency AAC audio. The advanced, hardware-based video processing features include motion adaptive deinterlacing, scaling, filtering, and 3-D motion-adaptive noise reduction.—www.digital-rapids.com

Dual-Format High-Definition Disc Player

LG Electronics (LG) has launched the Super Multi Blue player (BH100). This advanced dual-format high-definition disc player offers full HD 1080p picture quality from high-definition discs and incorporates interactive functions based on BD-Java, which allows advanced menus and functions to be displayed over the video of Blu-ray discs. The unit supports various AV formats, including MPEG-2, VC-1, H.264 video, MPEG1/2 audio, Dolby Digital, Dolby Digital+, DTS, and DTS-HD audio, and includes multiple inputs/outputs such as HDMI out, component/composite video outputs, and optical/coaxial/discrete 5.1 channel audio outputs, among others.—www.lge.com

DVD Players

Panasonic has introduced three DVD players, one standalone and two portable players, with multidisc and program-format compatibility. The portable DVD players feature increased battery life and larger 8.5-in. screens. The DVD-S53, an advanced progressive-scan home-theater DVD/CD player, incorporates 1080p digital video conversion via its HDMI output, proprietary EZ-Sync HD AVI technology for one-touch control of the player, and Panasonic components, such as plasma HD televisions and home audio products. The DVD-S53 home player also incorporates DVD-Video, DVD-R1 (inc. dual layer), DVD-RW, DVD-RAM, DVD+R (inc. dual layer), DVD+RW, CD, CD-DA, MP32, WMA3, and JPEG CD-R/RW disc support, Dolby Digital and dts surround-sound decoding, four user-selectable picture modes, five-way image control, MPEG digital noise reduction, advanced surround sound, and auto/manual zoom. The portable DVD players—DVD-LS82 and DVD-LS80, feature a multi-angle 8.5-in. LCD widescreen with adjustable brightness levels for optimizing the image for individual user preference

and varying ambient-light conditions. Other features common to both models include support for DVD video, High Mat, DVD RAM, DVD-R, DVD-RW, DVD+R, DVD+RW, and CD-R/RW discs, Dolby Digital and dts decoding, MPEG-2 and MPEG-4 video codecs, JPEG still-image discs and MP3 and WMA audio discs.—www.panasonic.com/broadcast

JPEG 2000 Digital Cinema Mastering Solution

Dolby Laboratories, has announced the SCC2000 Secure Content Creator, a scalable mastering solution for JPEG 2000 digital cinema compression, encoding, packaging, and encryption. The unit will be offered as part of a complete equipment rental, training, and support package.

The Dolby SCC2000's suite of software offers a complete set of tools needed to take a Digital Cinema Distribution Master (DCDM) and quickly produce final digital cinema distribution files, known as Digital Cinema Packages (DCPs), for easy distribution to cinemas via satellite, fiber, or physical media. It is designed to work as a standalone unit or integrated into current post-production and Digital Intermediate (DI) systems, enabling efficient 2K and 4K JPEG 2000 encoding. The option for generating secure keys offers key delivery message (KDM) creation and management via the Cosmos digital cinema database, operated by Dolby content-protection subsidiary Cinea.—www.dolby.com

LIFI HDTV Televisions

Panasonic has announced a new line of high-definition LCD micro display televisions featuring Luxim's revolutionary long-life laser-induced fluorescence imaging (LIFI). The Panasonic LIFI high-definition is comprised of two series—the LCZ and LCX. Each has screen sizes of 61 in., 56 in., and 50 in., with a new floating panel design. The PT-61LCZ70, PT-56LCZ70, and PT-50LCZ70 feature 1080p resolution and a glossy black finish. The televisions provide 720p resolution. By converting high-intensity discharge (HID) lamps to LIFI, the models experience an especially long life-span with brightness that will never fade, eliminating the need for lamp replacement. The start-up time for a Panasonic LIFI HDTV is a fraction of the time it takes for a traditional LCD projection set to start-up, because the light source does not use electrodes and the LIFI bulb is 1/8 the size found in an HID lamp. The actual time from the moment the set is turned on until there is a picture is now reduced from 60 sec or more to approximately 10 sec.—www.panasonic.com/broadcast

Switcher

Panasonic Broadcast has announced availability of the AV-HS300G SD/HD multiformat video switcher. The AV-HS300G is compatible with major formats, including 1080/59.94i, 1080/50i, 720/59.94p, 720/50p, 480/59.94i (NTSC), and 576/50i (PAL). It comes with six inputs (five HD/SD SDI and one DVI/RGB), three HD/SD SDI output, and an Ethernet connection to import and store a background from a PC. HD analog component outputs are also standard. Additional features include a tally output, RS-422 control, and a built-in 10-bit, 6-channel frame synchronizer that adjusts automatically, and nine wipe patterns with three directional wipes.—www.panasonic.com/broadcast