

# New Products

## Broadcasting Products

Miranda Technologies has introduced some enhancements to the following products:

Miranda's Imagestore HDTV master control switching and channel branding processor has been strengthened with a new dual DVE and an integral multigroup audio mixer. The dual DVE option enables high-quality dual picture-in-picture effects for compelling program junctions and promotional graphics. The new audio mixer provides 16-channel audio mixing using embedded or AES audio, providing solution for multichannel audio payout, including 5.1 and multilingual broadcasting. The processor can also provide eight-channel audio storage for 5.1 clips or stereo voice-overs in four different languages. Imagestore HDTV can be fully controlled by automation or with the PresStation panel, and it is fully scalable for basic HD branding activities or advanced graphics and master control switching.

The Imaging Series XVP HD interface modules has been extended with an HD cross- and downconverter, an upconverter and crossconverter, and an HD frame synchronizer and downconverter. These new interfaces all feature firmware that can be readily upgraded to provide additional signal processing functionality, thereby offering feature flexibility without a heavy up-front investment. Another new Imaging Series module is the QXC-801i HD crossconverter, which offers interfacing between popular HD standards including 1080i and 720p.

## Distribution System

RGB Spectrum has announced the XtendView twisted-pair signal distribution system. The XtendView system transmits high-resolution RGB analog, video, and audio signals for distances up to 1500 ft using inexpensive CAT 5/5e/6 or other unshielded twisted pair (UTP) cable. The system features a high-resolution signal up to 1920 x 1440 and state-of-the-art technology. It supports RGBHV, RGBS, RGsB, NTSC/PAL/SECAM composite, S-video, YPbPr component, HD component with tri-level sync, and stereo audio, multi-point display capability for viewing on multiple, interlinked displays. The system's advanced technology provides high image quality over long signal transmission distances. XtendView's re-generated sync provides optimal signal stability, and its integral equalizer compensates for high-frequency loss.

## Film System

Kodak has unveiled a Super 16 mm film system designed for production of content in either standard- or high-definition television format. The Kodak Vision2 HD system packages a new type of film with advanced hybrid motion imaging processing technology utilizing proprietary Kodak color science. The new system combines Kodak Vision2 HD Color Scan Film 7299 used in conjunction with a Kodak Vision2 HD

digital processor. The new film offers an extended dynamic range and broader exposure latitude coupled with the sharpness and fine grain imaging characteristics similar to the 500-speed Kodak Vision2 5218/7218 Color Negative Film.

In addition to mimicking the imaging characteristics of different emulsions, the system compensates for under- and over-exposure, as well as for variations in color temperatures. The system also provides creative control of the "look" throughout the workflow from preproduction through post-production.

## LCD Monitor

Panasonic has introduced the BT-LH1700W, a broadcast-quality 16:9 high-definition/standard-definition LCD monitor for studio and field applications. The multiformat BT-LH1700 offers a 1280 x 768 pixel WXGA-resolution, fast response time, and reproduces up to 16.7 million colors. The flat panel monitor offers a wide viewing angle of 176° vertical and horizontal. It offers an array of input/outputs including SDI, Y/Pb/Pr, RGB, composite and S-video, as well as an audio input. Thin and lightweight, the rack-mountable BT-LH1700 was designed to simplify demanding high-definition and standard-definition production tasks. The monitor incorporates a RG tally display. It displays 1080/24PsF, 1080i, 720P, and 480i video format inputs and also includes a built-in stereo speaker and a VESA mount.

## Videotape Recorder

Panasonic Broadcast has introduced the AJ-SD255 DVCPRO/DV recorder. The AJ-SD225 performs DVCPRO and DV recording and playback with both standard and mini-DV cassettes for cost-effective, extended-time applications. In recording and playback (including DVCAM playback), a cassette detection function automatically selects the proper mode. The VTR provides up to 126 min of continuous recording/playback, permitting the recording of lengthy programming on a single cassette. For field recording, 66-min cassettes can be used without the need for an adaptor. It features video input/out (BNC x 3) for composite, component, or YC signals; a two-channel 48 kHz/16-bit digital audio input/out, as well as one analog cue track. A separate monitor output (BNC, L/R Phono) is also provided.

## Software

Tektronix has introduced the new Scheduler function that has recently been added in Version 5.1 of the Tektronix MTX100 MPEG recorder and player. The MTX100 captures and plays out MPEG-2 data streams at the high data rates needed to verify and troubleshoot designs for high-performance consumer and professional video products and systems. The software provides an extra degree of control and flexibility within development and manufacturing environments or for pre-encoded transport streams for testing broadcast transmissions. It includes Scheduler application for automated stream payout or recording, create/edit schedules of streams, flexible start modes, absolute/relative start times for each stream; and looped payout of a schedule. The application can either be installed and run locally on the MTX100 or installed on a remote PC controlling the MTX100 over a network. It also provides increased RAM from 8M to 32M.