

# New Products

## Analyzer

MiraVid Inc., has announced the *MSight analyzer* with H.264/MPEG-4 AVC support. This new release now completes the full feature set for the family of MPEG standards, including MPEG-4, MPEG-2, and MPEG-1. Designed for MPEG professionals in the video industry, the MSight analyzer supports all H.264/MPEG-4 AVC profiles with all levels, including baseline, main, extended, high, high 10, high 4:2:2, and high 4:4:4. It includes many debugging features such as instantly jumping to problem areas identified in any compliance test, even up to the specific macroblock. Viewing video streams in display or coded order enables users to watch step-by-step progressions of complex operations in the decoded picture buffer or decoder reference picture marking.—  
[www.miravid.com](http://www.miravid.com)

## Camcorder

The *GY-HD250U high-definition camcorder* from JVC features 720/60p capture and recording for electronic newsgathering. It records true 1280 x 720 progressive at 60 frames/sec and has built-in genlock capability and component and HD-SDI output, with professional connectors mounted on a magnesium die-cast chassis. The camcorder offers the choice of several interchangeable lenses, enhanced cinema gamma, external time code synchronization, BNC connectors, built-in mount for an Anton Bauer Gold Mount 14.4V professional battery, and the patented focus-assist feature. It captures real 24p and 30p acquisition that produces polished, film-like quality HD recordings. The time code is recorded in native 24p mode, enabling users to transfer recordings to film for theater distribution with ease. The camera allows for extensive user customization with additional gamma settings for cinema applications. Its 1/3-in. bayonet mount allows the use of various interchangeable lenses from Fujinon, Canon, and other third-party lenses and accessories. The GY-HD250U also has image inversion capability, enabling the use of prime lenses, without the need of a mechanical device or software to record the image in the proper proportion.—<http://pro.jvc.com>.

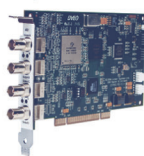
## Digital Media Adapter

The *DMA8Plus digital media adapter* from Dolby is based on the Dolby DMA8. The unit accepts four independent digital inputs with up to eight channels of PCM digital audio from sources such as digital cinema servers, preshow advertising servers, DVDs, satellite, and alternative content sources. Six analog output channels ensure straightforward interface with a cinema's existing Dolby sound processor. The digital media



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for the Digital Age

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### QUAD CHANNEL TRANSMITTER

- 4 DVB-ASI output ports
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- Feature-rich transport stream capture and playback
- Ideal for generating test streams for testing STB's



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Input 2 Output Input 1

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- Simultaneously plays back different virtual channels to multiple HD monitors



T-Streamer™ 8VSB

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For more information on any DVEO products, call 858-613-1818 or visit [www.dveo.com](http://www.dveo.com)

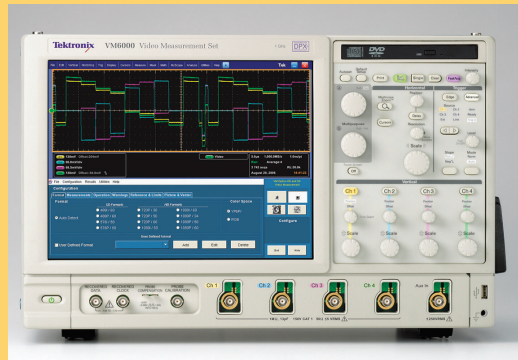
adapter is easily set up via a laptop computer and can be controlled by a cinema's automation system. Individual digital sources can also be selected rapidly, using dedicated front-panel buttons. In addition, the unit provides a switched "through" connection for external film audio decoders such as the Dolby DA20 digital adapter. An adjustable audio delay is built-in, to ensure that the sound and picture are synchronized during digital cinema presentations. Different delays can be assigned to different inputs, giving flexibility with alternative content sources, which often require different delays.—  
[www.dolby.com/promo/digitalcinema.html](http://www.dolby.com/promo/digitalcinema.html).

## Lens

The *XA22x7BES compact HD studio lens* from Fujinon is a lightweight box lens that features higher optical quality than standard ENG-type lenses, combined with the zoom and focus performance of a larger studio lens. The focal length starts at 7mm and ranges up to 154mm. The lens incorporates a belt drive for zoom and focus, as opposed to gear-driven design, enabling very smooth and precise operation. The front of the shroud can be removed to allow for a prompter to be placed closer to the front of the lens. This enables the use of smaller prompter mirrors. The XA22X7BES features minimal focus breathing and 14-bit control (16-bit optional) with external port for robotics interface, and the front barrel will accept a 127mm filter. A lightweight lens support is standard for use with most ENG-style HD cameras, and ample space is provided between the back of the lens and the front of the camera for access to camera function switches. As with larger studio lenses, this lens features LED indicators for zoom, iris, and extender on the outside of the lens for fast recognition. Because it is



Panasonic's 65 in. TH-65PF9UK HD pro plasma display.



The VM6000 video measurement set from Tektronix.

a smaller box lens, it does not require a heavy lens support, but comes with an easy-to-mount support that fits on standard ENG-capable tripods, studio pedestals, and robotics systems.—[www.fujinonbroadcast.com](http://www.fujinonbroadcast.com).

## Plasma Displays

The 65 in. TH-65PF9UK, 103 in. YH-103PF9UK, and 50 in. TH-50PF9UK 1080p HD pro plasmas from Panasonic offer about twice the resolution as standard high-definition models and produce the entire color range specified in the HDTV standard (ITU-R, BT709), for ultra-accurate, natural-looking images that remain truly faithful to the original HD source. The 1080p HD models feature a high contrast ratio of 5,000:1 and 16-bit processing to reproduce super-crisp motion pictures with an astounding 4,096 steps of gradation. For the full 1080p models, Panasonic has developed a Super Cinema mode, whereby the Digital Color Reality feature accurately reproduces the warmth of light and delicate shading in each scene by continuously adjusting the white balance and performing gamma correction as the image changes. Digital Color Reality is four times more precise in the digital control of color and brightness compared with standard HD plasmas. The 1080p HD plasmas can display a full range of HD/SD signals including 1080/60p/50p, 1080/60i/50i/24p/24sF/25p/30p, 1080/50i, 720/60p/50p, 480/60i/p, and 575/50i/p. These models also feature Advanced Dual Picture Mode, which allows users to combine video/audio clips with text from a computer in picture-in-picture and picture-out-picture modes for presentations. For easy setup of multi-screen systems, the 1080p plasmas feature a built-in image-enlarging function to enlarge images up to four times normal size vertically and horizontally, while maintaining image quality, and can be configured in a variety of different combinations.

—[www.panasonic.com/broadcast](http://www.panasonic.com/broadcast)

## Video Measurement Set

The VM6000 automatic video measurement set from Tektronix runs on a new hardware platform and replaces the VM5000. The VM6000 is capable of testing SD (480i, 480p, 576i, and 576p) and HD (720p, 1080i, and 1080p) video formats to user-selected tolerance limits delivering fully automated, go/no go results. The optional SD/HD model provides new capabilities, including H/V synchronous measurement and distortion measurement. A custom signal configuration utility allows industry standard tests to be performed on non-standard signals formats and optional H.264 test signals enable fast and efficient test of MPEG-4 and PC-TV capable designs.—[www.tektronix.com](http://www.tektronix.com).

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- RP 2002-2006 Content Specification on Solid State Media Card for DVD/DV-Based Essence
- RP 2006-2006 Solid State Media (SSM) Card Specifications
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