

# New Products

## Camcorder

Panasonic has announced the AJ-SDC905 camcorder with EFP-quality 4:2:2 sampled DVCPRO50 or 4:1:1 sampled DVCPRO recording, at native 16:9 wide-screen or 4:3 aspect ratios. The camcorder features three 2/3 in. 520,000-pixel 16:9 native CCDs to produce 750 lines of resolution, a high sensitivity of F13 at 2000 lux, and outstanding low-light shooting down to 0.01 lux (at +68 dB). It is equipped with 12-bit A/D DSP circuits that provide improved picture quality, color reproduction and luminance gradation, and an outstanding 65dB signal-to-noise ratio. Its advanced 12-axis matrix color correction system permits precise colors to be adjusted without affecting overall color tone.

Weighing 15 lbs, the camcorder offers a maximum record time of 33 min in DVCPRO50 and 66 min in DVCPRO, and provides two 48kHz/16-bit digital audio channels in 50 Mbits/sec DVCPRO50. It is also equipped with an IEEE-1394 digital interface to losslessly transfer audio and video to a computer for in-field editing or for dubbing to another IEEE-1394-equipped DVCPRO recorder.

The AJ-SDC905 also provides one-touch camera status report, as well as an electronic shutter (speeds from 1/100 to 1/2000 sec) and synchro-scan capability.

## Digital Cameras

Sony Electronics has announced its new XCL series of digital cameras, a high-resolution, high-performance line that conforms to the Camera Link industry-standard digital video interface.

The top-of-line models, the **XCL-U1000** black-and-white camera and the **XCL-U1000C** color camera, measure only 2 1/2 in. x 1 3/4 in. x 3 3/4 in. and incorporate a 1/1.8-type progressive scan CCD that produces detailed Ultra Extended Graphics Array (UXGA) resolution images (1600 x 1200 pixels) at 15 frames/sec. Both cameras offer partial scan mode for fast frame rates and external trigger shutter speeds of 1/15 to 1/10,000 sec. The XCL-U1000C adds a color mask to the CCD, commonly known as a "Bayer filter," and a Digital Signal Processor to provide uncompressed, high-resolution color images. The XCL-U1000C also has a binning function, white balance, and a matrix function.

The ultra-compact **XCL-V500** and the **XCL-X700** black-and-white cameras feature a 1/3-type progressive scan CCD that captures high-quality monochrome images in square pixels.

**DVEO**  
Pro Broadcast Division  
by **CMI**

## Future Proofing for the Digital Age



### Quad/i™

- 4 DVB ASI input ports
- PID filtering and playback
- Supports SPTS or MPTS
- Packet arrival timestamping
- Windows 2000, XP & Linux

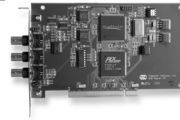
### HD Maestro™

- Fully HD resolution ATSC MPEG encoder
- PC based for expansion and connectivity
- Perfect for re-purposing of SDI and HD-SDI for HD market
- Encodes to ATSC and beyond



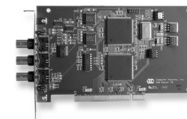
### MuxMaster™

- Supports 4 DVB ASI input ports
- TS Mux on a single PCI card



### SDI Master™

- Build your own SDI disk recorder
- 8 to 10 bit SDI in/out
- Windows and Linux support for OEMS



### DVB Loop™

- Feature-rich transport stream capture and playback
- Widely used at NAB 04, labs, and field testing

### DVB Rocket™

- Standards compliant
- IP to DVB encapsulator
- Tested at 100M
- Linux based for easy remote management



For more information on any DVEO products, call +1 858 613-1818. Or visit [www.dveo.com](http://www.dveo.com).

Both models feature partial scan and a binning function to further increase the frame rate. The XCL-V500 offers a VGA image (648 x 494 pixels) captured at 60 frames/sec, and the XCL-X700 offers an XGA image (1,024 x 768 pixels) captured at 29.2 frames/sec (29.2 in fact). The external trigger shutter speed is 1/4 to 1/100,000 sec. Both cameras measure only 1 3/16 in. cubed and weigh only two ounces for easy installation in space-restricted environments.

## Monitors

JVC has introduced the 17-in. DT-V1700CG and the 19-in. DT-V1910CG color video monitor. The DT-V1700CG monitor has 800 TV lines and the DT-V1910CG has 900 TV lines of horizontal resolution. The three blank connection panels can each be populated when and how, according to user needs, with audio and video I/O modules. The selection is from composite video and Y/C, analog component RGB/RGBHV, a range of SDI, and a range of HD SDI boards. The improved dual HD SDI card enables the user to buy a single board for simultaneous, two input, auto-selecting SD and HD SDI signals. Both monitors are able to display on screen the audio levels of the audio embedded in the SDI and HD SDI signals. Both monitor sizes are 19-in. rack-mountable for a wide range of uses including program making, post-production, quality-control, and general monitoring.

JVC, [www.jvc.com](http://www.jvc.com)  
Panasonic, [www.panasonic.com](http://www.panasonic.com)  
Sony, [www.sony.com](http://www.sony.com)