New Products

Hitachi Denshi America Ltd.'s Broadcast & Professional Group introduced several new products at the NAB Convention in Las Vegas, including two **multistandard high-definition cameras. The SK-3100P** features a 2.2-million pixel interline transfer (IT) CCD and provides simultaneous 1080i HDTV and NTSC output. **The SK-3300P** also provides multistandard output and employs a 2.2-million pixel frame interline transfer (FIT) CCD. Both the SK-3100P and the SK-3300P are portable EFP cameras that can be easily utilized in a studio configuration. They feature independent control of all detail settings. NTSC (480i) outputs are provided in both digital and analog.

A new integrated, 16:9/4:3 switchable digital **pan/tilt camera unit,** the **PT-1,** has a color touch screen controller, the PT-TSC. The units are designed for automated use by small market television stations and webcasting facilities. Used in combination, the PT-1 and the touch screen controller provide a cost-effective, automated live production environment. The PT-1 also works with third-party controllers.

The environmentally sealed **Eagle pan/tilt system,** developed for remote observation applications, has a highly wind and water resistant PTE-300 head and PT-EE-L housing, designed to provide the utmost protection from outdoor elements while providing full control of pan, tilt, zoom, focus, and camera menu functions for Hitachi's line of POV camera products.

The **HV-D5W three-CCD color camera** is interfaced to the Eagle pan/tilt system via fiber-optic cable. It utilizes a 2/3-in. imaging device and features a 16:9/4:3 switchable aspect ratio and digital processing. It is well suited for use as a graphics camera in a pan/tilt system or as a tower camera.

CMOS Sensor

The Rockwell Science Center has introduced a high-performance CMOS sensor for professional and industrial video cameras. Designed to display HDTV images to demanding industry standards, the **ProCam-1** offers an active imaging area of 1936 x 1088 pixels, low power consumption (180 mW), stable black reference, wide dynamic range (>68 dB), and 12-bit A/D conversion. It has a maximum fixed pattern noise of less than 0.025% relative to its saturation voltage of 1.5 V. In addition, the imaging system-on-a-chip provides programmable gain from -24 dB to +48 dB in as small as 0.006 dB increments to facilitate smooth automatic gain control (AGC) in video and digital still cameras.

Color Measurement System

Minolta Corp. Instrument Systems Division (ISD) has introduced a highly versatile, multifunctional color and illuminance system for use across a broad spectrum of lighting and color applications. The **CL-200** light source chroma measurement system can perform measurements of tristimulus colorimetric, chromacity, color difference, correlated color temperature, and illuminance of light sources. The system features an expandable and economical modular design, which uses compact and lightweight interchangeable components.

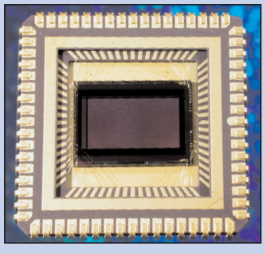
Converter

Optex has announced the availability of a 0.65x wide-angle converter. The converter is supplied to fit lenses with a 58mm dia filter thread. When attached, it changes the focal length by a factor of approximately 0.65x. The converter is also supplied with a 58-44 and 58-53mm dia step down ring.

Field Monitor

Aspen Electronics, Inc., recently unveiled the **VS100** VideoScope field monitor. The color monitor combined the latest TFT 4-in. active matrix LCD

The VideoScope field monitor from Aspen Electronics.



The ProCam1 sensor from Rockwell Science Center.

Dukane Corp.'s ImagePro 8750 portable DLPa projector.

Hitachi Denshi's SK-3100P camera.

technology with the features required of the professional video market. It features a built-in battery compartment, audio amplifier, external 4-pin XLR power input, universal video inputs, and an industry standard BNC video input. The monitor's built-in battery compartment accepts any NP-1-style battery and will run for up to 10 hr. The VS-100 is NTSC and PAL compatible, has 234 x 480 resolution, with easy access adjustable controls for both video and audio. A universal mount system allows the monitor to become an affordable studio viewfinder.

Film

Kodak has announced the Kodak **Vision Expression 500T** color negative film 5284/7284, designed to render images with lower overall contrast, slightly less saturated colors, and an extended range of under- and overexposure latitude. The film is rated for an overexposure of 500 in 3200°K light, and 320 in daylight with a number 85 color correction filter on the camera lens.

Kodak has also introduced markedly improved versions of the company's two popular black-and-white motion picture negative films. The films incorporate advances in base and manufacturing technologies with an emphasis on improving ruggedness and physical appearance. The Eastman **plus-X negative film 5232/7231** is optimized for an exposure index of 80 in daylight (5500°K) or 25 tungsten light (3200°K). The Eastman **double-X negative film 5222/7222** is optimized for an exposure index of 250 in daylight and 200 in tungsten light.

HD Range Extender

Optex has announced the availability of a x2 and x1.4 high-definition range extender. Mounted Sony B4-to-Sony B4, the extenders can be used with lenses such as the Canon HDTV HJ9x5.5 KLL-SC or HJ18x7.8 KLL-SC Cine Style EC lenses, as well as similar zoom lenses from other manufacturers. They also fit HDTV prime lenses such as the Optex/Canon 300mm T3.2, Optex/Canon 200mm T2.3. The extender mounts and ports are manufactured in hard-wearing duraluminum, while the optics are multicoated for optimum light transmission and comprise four elements. As with all extenders there is a loss of two stops with the x2 extender and one stop with the x1.4.

LCD Display

Dimension Technologies has announced a new 18.1-in. 3-D LCD display. **Model 2018XLQ** provides four user-selectable stereo modes for compatibility with virtually all stereo sources, selectable resolutions to 1280 x 1024, 16.7 million display colors, and analog RGB input. The display also includes NTSC/PAL and S-video inputs as standard. The unit incorporates eyeQ technology, a simple visual cue that allows the user to position himself correctly for maximum 3-D effect. Upgraded optics have eliminated the occasional moiré pattern seen in previous versions.

Projectors

NEC Technologies announced the new **SX6000-DC** digital cinema projector system that utilizes 0.9-in. 3-chip DLP mirror technology to produce bright evenly illuminated images. The product's input flexibility guarantees compatibility with virtually every type of signal source. Everything from video, component video, and satellite to the highest resolution digital, computer, and HDTV sources are easily displayed in the way the content creator, cinematographer, and post artist intended.

Dukane Corp. introduced **ImagePro 8750,** a portable DLPä projector with explosive color and brightness. ImagePro 8750 is fully compatible with all PCs, offering true plug-and-play operation for easy setup. DLPä (digital light processing) technology by Texas Instruments makes for a lightweight projector with great contrast. The projector reduces pixelation or what's commonly referred to as the screen door effect. The 270-W super high-performance lamp provides 1300 lumens of on-screen projection light with a contrast of 400:1 and 2000 hr of life. ImagePro 8750 has digital keystone correction to 12° (data only), a 1.25x manual zoom lens system, the ability to project an image size from 65 to 394 in., front or rear screen projection, and true XGA resolution of 1024 x 768 pixels.

Video PTZ System

Communications Specialties, Inc., has introduced the **Pure Digital Fiberlink Video/PTZ system** for 1-way video and bidirectional data. It uses all-digital technology to process and transmit one-way video and two-way data (for pan/tilt/zoom control) over a single fiber. The use of digital technology assures high-quality, noise-free performance making it ideal for critical, high-performance installations. The system's video channel is compatible with NTSC, PAL, or SECAM standards.

Video Scaler

The **Deuce MC Intelligent Video Scaler** converts standard TV video to high-resolution, noninterlaced video and offers a unique user-selectable motion compensation feature that can be set based on the specific input source image. This feature enables users to select one of three different motion compensation techniques: vertical temporal, static mesh, or adaptive frame for providing inverse 3:2 pull-down to original film material. Users can also select one of three automatic modes that automatically analyze the video input.

For more information on these products contact the following companies:

Aspen Electronics, Inc., tel: (714) 379-2515; website: aspenelectronics.com

Communications Specialties, tel: (631)273-0404, e-mail: info@comm-special.com

Dimension Technologies Inc., tel: (716) 436-3530; website: www.dti3d.com

Dukane Corp., tel: (630) 584-2300, fax: (630) 584-5156

Eastman Kodak Co., tel: (800) 814-1333; website: www.kodak.com

Hitachi Denshi America Ltd., tel: (516) 921-7200; website: www.hdal.com

Minolta Corp., tel: (201) 529-6060; website: www.minoltalightmeters.com

NEC Technologies, tel: (800) 632-4636; website: www.nectech.com

Optex Inc., tel: 44 (0)20 - 8441 2199; website: www.optexint.com

Rockwell Science Center, tel: (805) 373-4538; website: glristo@rsc.rockwell.com