

# New Products

## Audio Equipment

The **Architectural Series AS 3218** from JBL Professional is a full-range three-way loudspeaker designed for high-power installations. Incorporating horn-loaded mid-range technology for extended pattern control, the JBL AS 3218 has a very high peak output capability and a nominal 60° coverage pattern. Other features include the JBL 2242H 18-in. low-frequency driver to provide powerful bass without the need for separate subwoofers; a mid-range cone driver (JBL 2012H) specifically designed for loading into a waveguide mid-range horn; and a 38-mm exit large format compression driver coupled with an optimized aperture biradial horn to provide smooth and even high-frequency coverage.

## Editing Equipment

Digital Vision has introduced its **BitPack MPEG-2 authoring station**, a complete real-time video encoding turn-key solution for the production of MP@ML MPEG-2 files. It features a fully integrated authoring workstation, scene change and 3:2 pulldown detector, scene-by-scene or automatic optimization, and a 1 to 15 Mbit/sec fixed or variable bit rate. The BitPack is extendable to HDTV.

Eastman Kodak Co. has developed a line of Cineon workstations that make it possible to configure digital film, video, or

video-to-film imaging facilities for all applications in motion picture, television, and other motion imaging fields. The **Cineon Breeze system** is a standalone motion imaging system designed for facilities with occasional or limited compositing and effects throughput needs. The **Cineon Storm workstations** are mid-range units that provide additional tools for a multiseat, networked production system. The **Cineon Tornado system** is a highly interactive workstation for compositing, with rendering being done either locally or by remote rendering services. All three systems operate on Silicon Graphics platforms running version 3.0 Cineon software.

## Graphics/Special Effects

New from D-Vision Systems, Inc., are the **FXellerator-II** and **PCI Video Board-II add-on options** for its PostSUITE family of Windows NT workstations. FXellerator-II produces advanced real-time digital video effects within an open architecture strategy. It is available in three separate, upgradeable modules: the FX-II/T for transitions, the FX-II/DX for customized DVE effects; and the FX-II/3D for advanced 3-D effects.

## Lenses/Optics

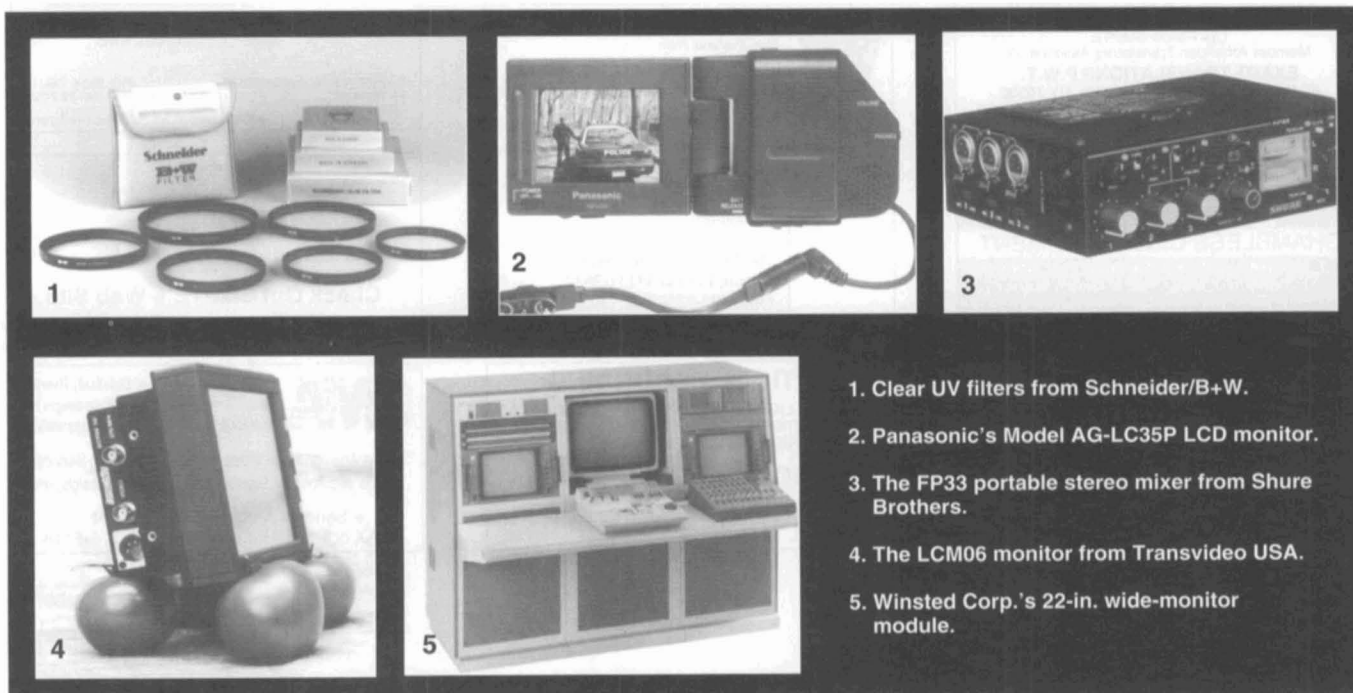
Schneider/B+W has announced the **Clear UV filters**, a full range of "water clear" ultraviolet filters from 72 to 105 mm.

These filters are designed to protect expensive lenses as well as penetrate haze. They are ground and polished for parallel thickness and feature a "hard" anti-reflective coating on both sides. The Clear UV filters are mounted in brass rings, which add ease of handling for broadcast ENG use. The range of six sizes — 72 mm, 77 mm, 82mm, 86mm, 95mm, and 105mm — covers most Canon, Nikon, and Fujinon zoom lenses.

## Monitors and Displays

The **AG-LC35P 3.2-in color LCD monitor** has been introduced by Panasonic Broadcast & Television Systems Co. The monitor was designed for a variety of uses, including a broadcast monitor for the field. The display has more than 150,000 pixels for excellent image reproduction. The angle of the LCD is adjustable between 0 and 90° for a wide range of horizontal and vertical viewing positions. The monitor has input jacks for video and audio, and has a built-in speaker with volume control.

The **LCM06 compact multistandard LCD color monitor** from Transvideo USA can be used for a wide range of film and video applications. A simple four-button keypad provides access to multilingual on-screen menus that control input selection, picture adjustment, and programming of backlight settings. The monitor stores up to three setting configurations, and the



1. Clear UV filters from Schneider/B+W.
2. Panasonic's Model AG-LC35P LCD monitor.
3. The FP33 portable stereo mixer from Shure Brothers.
4. The LCM06 monitor from Transvideo USA.
5. Winsted Corp.'s 22-in. wide-monitor module.

most recent one is automatically selected when the monitor is turned on. The LCM06 is compatible with all signals.

### Recording Equipment

Eastman Kodak Co. and Management Graphics, Inc., have jointly developed the **Solitaire Cine III image recorder** and **Cine FLX camera module**. These units are designed for small to mid-sized special effects and post-production facilities. They are available with a 35mm film transport and support resolutions ranging from 2 K to 4 K.

### Scanning Equipment

The **Cineon Genesis Plus digital film scanner** from Eastman Kodak Co. uses advanced CCD sensor technology to capture the full range of imaging characteristics in motion picture imaging film at an average of 40 Mbytes/frame. The graphical user interface offers high-end sustained throughput speeds for both 4-K and 2-K images.

### Signal Processing/Transmission Equipment

The **TV345 broadcast video and audio codec** from Digital Vision features an 8 to 45 Mbit/sec compression range, advanced subpixel motion estimation, video noise reduction, and advanced error handling and correction. Applications include transmitter feeds, ENG/SNG, and cable head-end feeds where maximum preservation of signal integrity and interworking between different codecs is required.

**Digital Vision's DVM16 multichannel MPEG-2 video and audio codec system** is aimed at point-to-multipoint distribution of up to 16 video and associated audio channels over telecommunications networks. Features include integral DVNR encoding, a 1 to 15 Mbit/sec per channel compression range, and fixed or adaptive bit allocation.

D-Vision has announced an **MPEG transcoder option for its PostSUITE family of Windows-NT nonlinear editing workstations**. This option delivers real-time, high-quality MPEG-1 and/or MPEG-2 directly from a D-Vision PostSUITE hard disk. It transcodes the MJPEG video via the CCIR-601 serial I/O and simultaneously encodes MPEG audio via XLR balanced or RCA unbalanced connections.

The **SDY400 video converter** from Pixel Instruments Corp. accepts a serial digital input signal and converts it to an analog luminance for monochrome monitoring. The unit is 4 in. x 6 in x 1 1/2 in. and is small enough to be mounted on the back

of a monitor or in the back of a rack. The SDY400 is DC-powered by a standard wall mount transformer.

The **FP33 portable stereo mixer** from Shure Brothers, Inc., is designed for ENG, EFP, and on-location film production. It is capable of providing 48-V phantom, 12-V phantom, and 12-V A-B power. The three-input/two-output mixer has an extended frequency response of 20 Hz to 20 kHz and a dynamic range of greater than 100 dB. Other features include transformer-balanced inputs and outputs, a wide range of input gain controls, pop-up pan pots, switchable low-cut filters on each input, and a link-switch that can be used to gang inputs two and three together for use with a stereo mic.

### Software

Cinema Graphics, Inc., announced its **Shadetree software**, an interactive shader authoring tool for Pixar's Renderman on the Silicon Graphics platform. Users begin by working with materials, textures, and images, and then mix them with pre-built macro boxes to form a shader. Any shader can be created by connecting the macro boxes in a tree-like graph. The open architecture allows users to add their own custom macro boxes at any time.

Eastman Kodak has introduced **Version 3.0 of its Cineon software**. New features include real-time playback, real-time video input/output, and a "time warp" speed changing tool. Cineon software is used with Silicon Graphics workstations to create special effects in motion pictures, commercials, and other digital image applications.

### Support Equipment

The **System/85 22-in. wide module** from Winsted Corp. is designed to hold the 21-in. CRT monitors commonly used in non-linear editing suites. The module is part of a variety of consoles that include five-bay, four-bay, and three-bay systems. The bays are available in the standard vertical style or one that slopes for improved monitor viewing.

### Video Recording/Playback Equipment

The **LQ-D5500 record/erase digital optical videodisc recorder/player** is new from Panasonic Broadcast & Television Systems Co. The unit records up to 41.5 min of DVCPRO video and two high-quality 48-kHz/16-bit audio channels. Using Matsushita's Phase Change (PCE) technology, the LQ-D5500 allows direct overwrite to the optical substrate. A disc can be rewritten more than 10,000 times and played back one million times.

For further information regarding the new products and developments listed in this section, contact the companies directly at the addresses listed below:

**Cinema Graphics, Inc.**, 22516 Lassen St., Chatsworth, CA 91311, tel: (818) 718-6320, fax: (818) 718-6320

**D-Vision Systems, Inc.**, 8755 W. Higgins Rd., Ste. 200, Chicago, IL 60631, tel: (312) 714-1400, fax: (312) 714-1405

**Digital Vision, DV Sweden**, Upplagsvägen 1, S-117 43 Stockholm, Sweden, tel: +46 8 18 24 65, fax: +46 8 18 24 66

**Eastman Kodak Co.**, 343 State St., Rochester, NY 14650, tel: (716) 724-4000

**JBL Professional**, 8500 Balboa Blvd., Northridge, CA 91329, tel: (818) 894-8850, fax: (818) 830-7802

**Panasonic Broadcast and Television Systems Co.**, One Panasonic Way, Secaucus, NJ 07094, tel: (201) 392-4319, fax: (201) 392-6001


**Pixel Instruments Corp.**, 718 University Ave., Ste. 210, Los Gatos, CA 95030 (408) 354-9122, fax: (408) 354-0122

**Schneider Corp. of America**, 400 Crossways Park Dr., Woodbury, NY 11797, tel: (516) 496-8500, fax: (516) 496-8524

**Shure Brothers, Inc.**, 222 Hartrey Ave., Evanston, IL 60202-3696, tel: (847) 866-2200, fax: (847) 866-2279

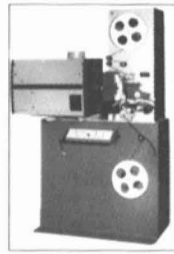
**Transvideo USA**, 2755 Alamo St., #103, Simi Valley, CA 93065, tel: (805) 520-1275, fax: (805) 520-7342

**Winsted Corp.**, 10901 Hampshire Ave. S., Minneapolis, MN 55438-2385, tel: (612) 944-9050, fax: (612) 944-1546



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