New Products

Camera Accessories

Bogen has announced the availability of a new series of precision professional ball heads by Manfrotto. **Pro Ball 469** designed for camera/lens loads up to 28.6 lbs. It includes a 2.5 in. Teflon-coated ball and a 3-in. camera platform with 1/4 in.-20 and 3/8 in. camera screw. **Pro Ball 469C** is similar to 469, but features a low-profile, rectangular quick-release plate and safety lock. **Pro Ball 468,** designed for camera/lens loads up to 2 lbs, incorporates a 2-in. Teflon-coated ball and a 2-in. camera platform with 1/4 in.-20 and 3/8 in. camera screw. **Pro Ball 468C** is similar to 468, but features a compact quick-release assembly and safety lock. All heads feature specially designed friction surfaces; an adjustable, calibrated tension control that can be pre-set to match camera weight; and a graduated panoramic base with separate pan lock.

Bogen has also introduced a new dual-purpose **junior pan/tilt head**, designed for both still photographic, lightweight video applications and spotting. The junior pan/tilt head combines a long pan handle and specially designed Teflon pads to assure simple, precise camera alignment, as well as smooth-as-silk pans and tilts. The head is supplied with a quick-release camera platform that can also be flipped for vertical orientation of still cameras.

Decoder

Adaptive Micro-Ware, Inc., has introduced a **new single-channel MPEG decoder II (SCMDII)**. The SCMDII delivers playback of MPEG-2 streams at professional quality standards. It accepts an MPEG-2 transport stream or MPEG-1 system stream input, and produces NTSC or PAL baseband or Y/C video output, along with stereo audio. Video and audio packet identification can be automatically selected from the data stream. Current versions accept T1, E1, or RS 422 data inputs. The unit operates on either 110 or 220 v power sources and includes self-test sequences to aid field diagnostics.

Fiber Optic Platform

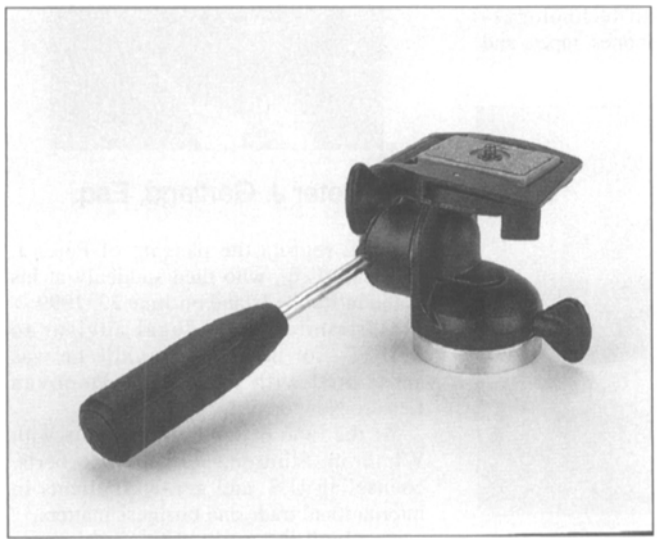
Artel Video Systems has announced a new fiber-optic platform that enables cable television service providers to converge standard digital television, and cable television transport streams with data and telephony services over a single optical fiber. Artel's new enhanced **MegaWav multichannel dense wave division multiplexing platform** significantly increases fiber-optic network capability to enable multiple video, voice, and data services to be carried across the same fiber infrastructure. It combines up to 16 inputs carrying high-quality video transmissions in their native format, which can be multiplexed with other services such as cable telephony and internet access, allowing providers to harvest the maximum bandwidth of the cable network infrastructure.

Fiber Optic Systems

Telecast Fiber Systems has announced new fiber-optic systems. **Python** handles all digital formats up to HDTV. It houses eight channels of DVB, DVB/ASI, DTV, or HDTV in one compact frame and accommodates all rates from 19.4 Mbits/sec ATSC to 1.5 Gbits/sec uncompressed HDTV. Laser outputs make this system ideal for all digital requirements, including router interfaces in facilities, STLs, and mobile field production. The **HDTV Cobra** extends high-definition cameras with fiber and can support multiple digital cameras on one lightweight tactical fiber cable. The new **Viper** modules provide a pathway to DVB and HDTV. It supports all formats of digital video transmission for all production environments, from studio, to transmitter, to outside broadcasting applications. Telecast's modular **Cobra** supports Sony triaxial cameras and can now link triax-equipped Sony DXC-D30 cameras to their CCU-TX7/P base stations using ultra-lightweight fiber-optic cable. This gives users ten times the distance, with only one-tenth the weight of triax.

Imaging Modules

Miranda Technologies has announced the introduction of new imaging modules. **TCP-101i time code processor** generates, reads, and processes multiformat and multistandard time code signals. The **SDM-801i** converts high-definition digital video to component analog video, allowing users to take HD signals and convert them to analog for standard broadcast monitors or computer RGB monitors. The **SDA-801i and SDA-802i** are standard-equalizing amplifiers providing one HD input and six HD serial digital outputs. The **Kaleido multi-image display system** is ideal for multi-purpose



Bogen's Manfrotto Jr. Pan/Tilt Head

Single Channel MPEG Decoder from Adaptive Micro-Ware, Inc.

production control room or mobile van applications; this system redefines signal monitoring by incorporating all the features of a control-room monitor wall in a single multi-window display. Kaleido is capable of simultaneously displaying up to 16 analog or digital video signals. Each window can be configured for 4:3 or 16:9 aspect ratios and can be independently sized and positioned. The **SER-800E HD serializer and SER-800D HD deserializer** are designed to facilitate the conversion of high-definition video from parallel to SMPTE 292M serial digital.

Keying System

PSP Digital has introduced a new keying system. **TrikKey** provides three downstream keyers with an A/B digital vision mixer. While the vision mixer provides basic cut, mix, and wipe functions between two background sources, the real power is in the keying tool set. Each downstream key can be independently controlled and can be prioritized over the background and the other keys. Controls for transparency and lift and gain are provided along with a rectangular masking facility and a pre-keyed mode. Other features include user-defined auto transition rates between the downstream keyers and background, and user-defined rate for fade-to-black. TrikKey passes audio and blanking information transparently. An optional control panel is also available. TrikKey is available in a 2 U rackmount unit.

Monitor

Panasonic Broadcast & Television Systems Co. has introduced the **BT-S915DA, a 9-in. high-performance monitor** that is compatible with both 525I and 625I component signals. Designed for use by broadcast facilities with DTV systems, the BT-S915DA can also be used for monitoring digital signals via an optional serial digital interface. It displays both conventional 4:3 and widescreen 16:9 aspect ratio images for monitoring a variety of picture sources. The monitor's inputs include looping NTSC composite, S-Video, YpbPr, RGB, and external sync. The optional serial digital interface, which attaches to the rear, allows the BT-S915DA to serve as a monitor in digital broadcast systems based on the SMPTE 259M standard. Compatible with NTSC/PAL/SECAM color systems, the BT-S915DA delivers more than 300 television lines of horizontal resolution, 90° deflection, and 0.50-mm dot pitch.

Recording System

Panasonic Broadcast & Television Systems Co. has confirmed final product details of the new **AJ-HD3000 D-5 HD recording system.** The AJ-HD3000 provides full bandwidth, 10-bit 4:2:2, uncompressed ITU-601 recording and playback, plus full bandwidth, 10-bit 4:2:2, HDTV recording and playback utilizing low compression ratio, 235 Mbit/sec I-frame-only compression. A single AJ-HD3000 can support multiple high-definition video formats without hardware or software exchange. The compact 5-RU size D-5 HD VTR also offers eight discrete digital audio channels to support AC-3 surround sound production requirements as well as recording of user specifiable production metadata and other ancillary data. The AJ-HD3000 is fully compatible with digital projection and offers the optimum quality for digital cinema applications.

Test Generator

Evertz Microsystems has announced the new HDTV **test signal generator 7750TG-HD** for the generation of 1.5 Gbit/sec HDTV test signals. The 7750TG-HD generates test signals in a wide variety of SMPTE 292M video formats (includes 720P, 1080i, and 1080P) and offers four 1.5 Gbit/sec outputs. The 7750TG-HD also features embedded audio tones, over 20 different test signals, front panel LEDs to indicate genlock presence, equalization, and more.

Adaptive Micro-Ware, Inc., 6917 Innovation Blvd., Fort Wayne, IN 46818; tel: (219) 489-0046; fax: (219) 489-8087; e-mail: sales@adaptivemicro.com; website: www.adaptivemicro.com

Artel Video Systems Inc., 237 Cedar Hill St., Marlborough, MA 01752; tel: (508) 303-8200; fax: (508) 303-8197; e-mail: info@artel.com; website: www.artel.com

Bogen Photo Corp., 565 E. Crescent Ave., Ramsey, NJ 07446; tel: (201) 818-9500; fax: (201) 818-9177; e-mail: info@bogenphoto.com; website: www.bogenphoto.com

Evertz Microsystems Ltd., 3465 Mainway, Burlington, Ont., Canada, L7M 1A9; tel: (905) 335 3700; fax: (905) 335-3573; e-mail: sales@evertz.com; website: www.evertz.com

Miranda Technologies, Inc., 2323 Halpern, St. Laurent, Que., Canada, H4S 1S3; tel: (514) 333-1772; fax: (514) 333-9828; website: www.miranda.com

Panasonic Broadcast & Television Systems Co., 3330 Cahuenga Blvd., W. Los Angeles, CA 90068; tel: (800) 528-8601; website: www.panasonic.com

PSP Digital Ltd., tel: +44 1635 522534; e-mail: john@psp-digital.co.uk

Telecast Fiber Systems, 102 Grove St., Worcester, MA 01605; tel: (508) 754-4858; fax: (508) 752-1520; e-mail: sales@telecast-fiber.com; website: www.telecast-fiber.com

New Sustaining Members

The following companies have joined SMPTE as Sustaining Members during the months of June and July:

Sustaining

Ciprico Inc.

2800 Campus Dr.
Plymouth, MN 55441
612-551-4057, Fax: 612-551-4123

Kino Flo, Inc.
10848 Cantara St.
Sun Valley, CA 91352
818-767-6528, Fax: 818-767-5912

Ward-Beck Systems Ltd.
455 Milner Ave., Unit 10
Toronto, Ont., Canada M1B 2K4
416-335-5999, Fax: 416-335-5202

Engineering News

NOTICE

Trial Publication and Public Comment on SMPTE Standards, Recommended Practices and Engineering Guidelines

SMPTE Standards, Recommended Practices and Engineering Guidelines are now published on the SMPTE World Wide Web site at **www.smpte.org/stds** for trial publication and public review. These proposal documents will continue to be published in the *SMPTE Journal* for information-only purposes. This change is in accordance with the SMPTE Administrative Practices:

> "During the trial publication period of six weeks following the posting of the proposed document on the Society's World Wide Web site, the Society invites comment on the proposed document from the readership. Comments are submitted by the Director of Engineering to the Chair of the responsible Technology Committee with copies to the Chair of the Standards Committee and the appropriate Engineering Director. If, in their opinion, the comments require any technical change, the project is returned to the Technology Committee for further consideration.
>
> If the comments are considered by the appropriate chairs and Engineering Director to be exclusively editorial, the Director of Engineering, in consultation with the Technology Committee Chair, makes the necessary editorial revisions. Commenters shall be promptly notified of the dispostition of their comments and the justification for the actions by the Technology Committee Chair."

C. V. Girod, P.E., Director of Engineering

ENGINEERING MEETING SCHEDULE

SEPTEMBER

15 Wed.	Comm. on Systems Technology and Subgroups S22	(P. Symes)	EBU Geneva
16 Thurs.	Comm. on Data Essence D27	(J. Safar)	EBU Geneva
16 Thurs.	Comm. on File Management/Network Technology and Subgroups N26	(H. Hoffmann)	EBU Geneva
17 Fri.	Comm. on Metadata/Wrapper Technology and Subgroups W25	(O. Morgan)	EBU Geneva
17 Fri.	SG on Archival Storage of Magnetic Media V16.07	(E. Zwaneveld)	EBU Geneva
18 Sat.	Comm. on Video Compression Technology C24	(D. Fibush)	EBU Geneva
18 Sat.	Committee on Image Technology I23	(G. Schutz)	EBU Geneva