



IBC IN BRIEF

HD MULTICHANNEL

Bluebell Opticom's SDI/ASI fibre optic transmission system has been joined by a family of embedding/de-embedding products for transporting AES, analogue audio and data to be transported over fibre in a single SDI stream. The company also showed a multichannel HD transmission system on a range of CWDM wavelengths. sales@bluebell.tv

FASTEST 20X ZOOM



At IBC **Canon** showed the successor to its YJ19x9, the smaller and lighter YJ20x8.5. This new 20x zoom lens has a blazing zoom speed of just 1.2 seconds and a focal length range of 8.5mm-170mm. It also offers the shuttle-shot – the ability to memorise any two focal lengths of the operator's choice. tvprod@canon-europe.com

NEW HDXT

The HD XT[2] server from **EVS** supports all current XT applications including the HD Super Motion mode, and features up to six reversible channels with VITC and eight embedded audio tracks per channel. It also offers maximum image quality with up to 150Mbps in the six-channel configuration and even 360Mbps per channel in a two-channel mode. sales@evs.tv

HD CG

Dayang's D3-CG HD allows users to create HD graphics, titles and animations, including real-time letter-by-letter motion-path manipulation. Features include 3-D titling and true object-based timeline control for infinite-layer editing. sales@dayang.com



Fifteen to Watch

By **MARK HALLINGER**

Editor's Note: IBC is a huge show and there's too much to see. What were the most interesting or important technologies on show? TV Technology Europe had to pick just 15 products to win our 2005 IBC STAR (Superior Technology Award Recipient) Awards, which are given to innovative new products that help advance the industry – some were chosen because of technical novelty or innovation, some because they filled an important gap in the production or transmission chain, and some because they were just cool products. Congratulations to the winners.

At just about every **Thomson Grass Valley** press event over the last two years somebody would ask if the company would be getting back into the camcorder/recording business, and the press wondered if the company would hitch its recording media wagon to Sony's optical disc or Panasonic's P2 card. Well, we got an answer at IBC: neither! Instead, the company has come up with its totally new **IT-based tapeless 'Infinity' line.**



The recording media for the line is based on Iomega's REV-based storage media and Pro-grade CompactFlash memory, which can be obtained from local consumer electronics or office supply shops. Media can also be recorded on USB and FireWire external storage devices or to networks via Gigabit Ethernet – flexibility and openness are key. The media is affordable, and that's a good first step. (www.thomsongrassvalley.com, and see related story on page 38).

What else was striking at the show in terms of acquisition? How about the **WEVI Cam-Wave wireless LAN camera system.** WEVI, an IDX company, has



designed CAM-WAVE to provide an MPEG-2 video capable LAN over IEEE 802.11a 5.2GHz spectrum, a LAN technology originally developed by Toshiba for home networking. The designers are the first to admit that the 50 meter range system is not for all wireless acquisition applications, but it requires no special licences! It provides stable wireless PAL or NTSC images in an inexpensive package, around US\$2000. (WEVI.europe@wevi.tv)



Wireless cameras allow a production crew to get better pictures easier. **Skylink** has taken that concept to new heights – 30,000 feet to be precise – with its video relay system for events such as marathons and bicycle racing. Skylink replaces the fleet of low flying helicopters commonly used in covering these events with a single prop airplane relay flying at 30,000 feet. Part of this award also goes to production company **tpc**, who have used the system to relay video from tiny cameras and transmitters mounted on racing bicycles in a variety of races around Europe. Road racing is a hard sport to cover on TV, and anything that makes it more real to the viewer at home is a step forward. (info@skylink.aero and info@tpc.agh)

Sometimes a product just makes you say "Why wasn't this done before?" **HHB's** cool **FlashMic** is that kind of a product – a pro quality microphone that has a built-in 1GB flash memory recorder. Perfect for journalists in the field. (sales@hnb.co.uk)



Riedel used IBC to launch its **CONNECT duo ISDN Interface/ Analogue Telephone Hybrid.**



Another great OB product, **CONNECT duo** combines an ISDN S0 interface allowing for two simultaneous connections using two ISDN B-channels, and an analogue PSTN telephone hybrid in a 1/2 RU size. (sales-international@riedel.net)

e-mediavision chose IBC to enter into a new market – its **X-View virtual monitor wall** joins a few established players in this field. It's a great product category in general, as it saves space and lowers the power drain for



a multi-monitor application. X-View updates the concept – it is of course a video and audio monitor at its core, but it also allows users to integrate broadcast infrastructure control within the monitoring environment via a plug-in. Multi-site, multi-location system monitoring, and cost-saving resource centralisation, is thus possible. (info@e-mediavision.com)



New from **Leitch's Videotek division** is the **PTM-305 hand-held personal test monitor**, which packs a lot of features into a tiny package ideal for field camera set-up, figuring out problems in a signal path and other chores where hauling a bigger box is too much. About the size of a PDA and controlled by stylus and/or touchscreen, the PTM-305 features colour meter, vectorscope, waveform monitor, test signal generator

and embedded audio monitoring functions. (sales@videotek.com)



UK-based test and measure company **Hamlet** had its own mighty mini at IBC, the **Flexiscope**. This multiformat, multistandard handheld does waveform, vector, audio and picture

tasks using a 3.5-inch TFT display. Input option modules allow operation in current formats while future standards can be accommodated. (www.hamlet.co.uk)

option to generate proxies and view or manage this material using networked desktop computers. The system is scalable as needs evolve, and fills a need that will only increase as broadcasters try to do more with what they have, and try to manage big fat HD files in a way that doesn't overwhelm. (info@omneon.com)



Brick House Video's Proteus compact standards converter wins an award because making products smaller and cheaper is almost always a good thing. Features are not lacking despite the small size – Proteus has integrated audio delay and sync (up to several seconds). It also just does its job well, well enough that BBC World took one. (sales@brickhousevideo.com)

Having tons of material means nothing if it can't be tracked.

Omneon is branching out a bit with its hardware/software **ProBrowse System**, but it's a logical leap that will give its server customers another



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Some of that new material flowing around in proxy form might be used by a broadcaster in some sort of new delivery method – perhaps to a mobile phone. To help those micro files get there requires some new transmission kit, and **Harris' DVB-H Gap Filler** fits the bill. Kudos to Harris for doing the needed configuring to handle the job before any trials really hit the gaps they will eventually need to fill. Now if only the DVB-H channel change time could drop a bit things could get rolling.
(www.broadcast.harris.com)



At IBC **Rohde & Schwarz** proved that it is a leader in DVB-H transmission. Its **DTV IP**

Inserter and Generator R&S DIP010 for DVB-H is not in itself a flashy product, but it will make it possible for programmers to insert dozens of multimedia services into DVB-H channels. That's exciting.
(info@rohde-schwarz.com)



Network Electronics AV-HDXMUX audio embedding/de-embedding modules take audio embedding to a new level, furnishing both embedder and de-embedder in one compact unit. It also has optical I/O options and supports multiformat SD/HD. It embeds four AES streams at a range of sample rates.
(sales@network-electronics.com)

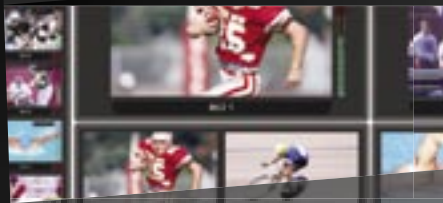
Want to save money when storing and replaying programs in time delay situations, but don't want to use tape or a more expensive server?



Try the **Model 2470 Broadcast Time Delay** from **360 Systems**, which can create delays from 20 seconds to 24 hours.
(servers@360systems.com)

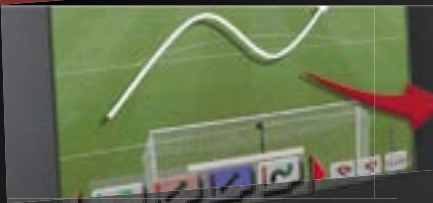


Whatever you are doing with your content, DVB's S2 satellite standard will save you money when delivering it. **Scopus' DVB-S2** trials with R.R. Satellite Communications bring this better future a bit closer.
(info@scopus.net)



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