

Cinema Camera hits the North

OPINION We have tested the Cinema Camera in the lab and in the field and have started to get to grips with the new system.

Technically, it's very easy to use. On first view, its **menu system** looks unusually bare. There are so few options for changing settings that it's quite disarming for anyone used to any other professional camcorder. In our opinion this is why shooting in RAW is so important: conversions, colour balance, saturation levels and other important parameters are designed to be set in post, not on capture.

Uncompressed content coming off the chip is stunning. The quality, detail and richness of the pictures is exceptional at every light level. The dynamic range is exceptional.

The **workflow** is new; our guide has details at www.holdan.co.uk.



Handling is best with a rig or jib from the likes of Cambo. Its larger form factor makes using the camera in its bare state less straightforward than with an ENG system. Carefully adapted with a decent support system, it becomes a very usable system.

What do we think **the camera** is for? Live TV, news or sports production? No. Commercials, drama, cinematography, promos, music videos...? Yes. Beautiful high resolution films? Yes, with no hesitation.

Get hands-on at BVE North.

Panasonic Pro

AVCHD pro system for advanced videography

NEW AC-90: astonishingly low-priced professional handheld camera with:

- 29.8mm wide 12x F1.5 zoom lens
- HDMI & XLR connections
- 1/4" 3MOS Sensor
- Triple Manual Rings



SxS recording

50Mb/s external, on-board media appliance from Vitec, with 250GB internal storage and SxS recording



The **NEW FS-T2001** is a portable HD recorder / player that captures and outputs XDCAM HD & EX formats over SDI & HDMI. With USB and ethernet connections, it can quickly and simply share media with workstations and network devices.

The FS-T2001 is ideal for owners of legacy tape formats, such as HDCAM or DVCPRO, or producers that prefer the flexibility of multi-format capture, natively and on an external recorder.

New products, straight from IBC to Manchester

- Panasonic HPX600 & AC-90
- Blackmagic Cinema Camera
- Panasonic minicams
- New PTZ cameras
- Datavision LEDs
- Blackmagic Teranex
- IntraTec Bridge
- Teradek Link
- Datavideo 4-camera controller

switch encode green screen sync jib
prompt route VTR test remote television
playback CG record intercom monitor
track shoot chromakey HD lights web convert control

Lightweight P2 camcorder

NEW HPX-600 is an important new camera from Panasonic which sets a new price point and delivers the future today:

- Lowest weight system available
- Ready for AVC-Ultra codecs
- Supports AVC-Intra100/50, DVCPRO HD, DVCPRO50, DVCPRO and DV formats at launch
- WiFi, Ethernet and USB-enabled

Fully Featured

The camera replaces the AG-HPX500 which has long been a staple in news, event and sports production. Now lighter (around 3Kg) and with clean images from the 2/3" sensor, the HPX600 promises highly efficient battery usage. The camera is world-standard switchable between 50 Hz and 60 Hz modes. It also features

Dynamic Range Stretching (DRS), Chromatic Aberration Compensation (CAC) and Flash Band Compensation (FBC).

Future Proofed

A forthcoming upgrade will make the HPX600 compatible with AVC-Ultra formats for access to low bitrate broadcast-quality HD capture



HPX-600 with optional proxy recording & wireless transmission

Studio | Field camcorders

P2: HPX-371 with studio camera adapter, base station, Varizoom kit, controller unit and 9" LH910 monitor.

AVCCAM: AC-160a professional handheld system with a 22x zoom & SDI out. Add optical fibre adapter for long cable runs.

Large sensor camera: AF101- an excellent choice for a cinematic look and great for low-light studios.



Spotlight on Minicam



HCK10 head with HMR10 recorder

- 1/4" 3MOS Sensor
- 12x optical zoom lens with optical stabilizer

NEW HE2 low cost HD camera head

- 1/2.33" sensor
- 135mm in length; weighs 300g
- Supports 1080 50p
- DC or power over Micro USB
- IP ethernet connection



GP-KH232E: 1MOS 1080p Full HD head

- 1/3" 3.3mp CMOS chip
- Dimensions: 28 x 27 x 39 mm



GP-US932A: 3CCD 1080p Full HD head

- 1/3-inch CCDs
- HD/SD / digital/analogue simultaneously
- Supports up-to 20m cables
- Dimensions: 37 x 47 x 54 mm



New PTZ - over IP

NEW: HE60S PTZ

- Includes video monitoring over IP
- Infrared night shooting mode
- 1/3" type sensor
- Supports 1080 50p
- 18x optical zoom



Panasonic



Are your cameras locked to your studio?

Multi-purpose camera systems from Panasonic are the answer. Transform Panasonic's P2 camcorders including the HPX255, HPX371 and HPX600 from location to studio camera in seconds with remote control, 100m signal relay and power management.



Panasonic HS410

Switch up-to 16 cameras...

Datavideo's flagship **SE-3000** is a powerful, fully featured switcher with a massive breadth of inputs, outputs, effects, converters, scalars and multiview options.



Great studio, no crew? Great venue, no video?

HD PTZ cameras and controllers

Panasonic's PTZ cameras are great for studios, auditoria and venues. They can be controlled by Datavideo or Panasonic RP50 controller / HS50 mixer (pictured) or even from the AVHS410 production switcher.



Add titles in real-time with Datavideo's CG-350 software solution.



Low-cost HD

Panasonic's HMC-81 is a shoulder-mount AVCCAM HD camcorder with professional controls and XLR inputs. It can be a great training tool.

With an HDMI-SDI converter, cables can be routed for over 100m with no loss of signal.

Holdan Studios

We can work with your reseller to help you design, upgrade and implement the studio you need, whether it's for webcasting, training, broadcast TV, chromakey, AV or independent production.

Whether you need a mobile, remote or installed solution, we have the knowledge and technology to help.



45 mile cable-runs?

Low-cost fibre in the studio: the Blackmagic ATEM Camera Converter with an SDI-enabled camcorder.

Datavideo's Portable Studio Unit

datavideo

Mobile HD studio: the portable HD production unit

The **NEW** all-in-one **MS-2800** is a complete, portable HD suite with a fold-away 17" monitor. It enables a producer to direct and manage live output from a crew of up-to 12 camera operators. As well as monitoring and switching signals, it matches camera outputs, records programme output and maintains communication between the whole production team.

- 8 or 12 HD-SDI inputs
- HDMI I/O
- ITC multi-channel intercom
- Audio delay system
- Test & measurement
- Creative vision mixing
- Multiview monitoring
- HD recorder



Studio essentials



Portable low-cost prompters

TP-300 iPad Prompter, is lightweight and very easy to use. It can be set up in minutes.

Universal studio camera adapter

The new Datavideo TLM-43LB mounted monitor with camera controller and a **NEW** MCU-100 remote controller.



Mobile production desk

The HS-600 mobile video studio combines switcher and multi-view monitor in a portable unit. As an SD system, this is a great low-cost way of producing live AV & video for Internet streaming.



PD-2 / PD-3 Power Distribution Centre

Never run out of XLR power sockets with these AC to DC rack-mounted systems.



Audio Mixer & Delay Box

Ultra compact 4 input + 2 AUX mixer featuring studio grade pre-amps, low noise and the provision of phantom power. The Audio Delay Box with RCA / XLS connectors enables synchronized audio & video.



New LEDGO Lights

datavision

Introducing **NEW** LED units, available in field & studio kits.



CN-600 Dual Colour LED Light

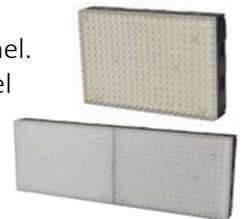
With its V-mount battery adapter, this unit is equally at home in the studio and on location. Outputting 4720 LUX at 1 metre, this is a high performance unit.

- 36W power consumption
- Lumen: 2667.50 lm

CN-B308 / CN-B308C Location Panels

Can be combined to create a larger panel. 18.48W power consumption. "C" model features dual colour LEDs for superior image control.

B308: 1860 lm | B308C: 1860 lm



CN-R332 LED ring light

Lens mounted model with dual dimmer control; 19.92W power consumption

CN-B150 & CN-B160 mini panels

Can be combined to create a larger panel
B160: 9.6W power consumption, 1130 lm output
B150: 9W power consumption 1070 lm output



4 camera remote control

NEW The **MCU-100** & **MCU-200** multiple camera control units can control four Panasonic camcorders over 400 metres.

They have integrated features to remotely control and adjust the camera settings including the recording functions, gain, black/white balance, shutter and iris.

The MCU-100 handheld version and MCU-200 19" rack version both come with 4 adapters to connect to cameras with ethernet cables.



A studio is nothing

...without communication between the camera crew and the production desk.

Datavideo's Intercom Systems:

- ITC-100: 8-way group or individual communication systems
- ITC-200B: 8-way group communication systems
- ITC-200E: 8 channel expansion unit



The 'Live' Edit



Metus: ingest video feeds



Sonnet: import & store recorded media



EDIUS & HP: edit in real-time



**T2: record live HD video
Play out 2 live channels**



Optibase: IPTV payout

Capture it all - digitally

Metus Ingest is a remarkable software solution. In conjunction with a Blackmagic Design dual or quad-stream capture card and an HP Z220 workstation, it is capable of recording multiple streams of HD video into a codec of your choice.

a greater sense of security: files are not stored on countless tiny media cards that are difficult to keep track of and maintain in any rational shooting order.



Alternatively, it can capture a video stream and automatically transcode the media into any two formats. In this way, users can specify, for example, an archive and an edit-ready format, or separate files that are web and broadcast ready.

For production asset management - logging, tagging and identifying files - Ingest can be used in conjunction with Metus MAM. As video is captured, an operator can organize assets with ease - either manually or automatically.

Capturing content to a centralized system makes a lot of sense: camera crews are not limited by the size of their on-board recording media and there's no loss of picture while cards are swapped. Secondly, central data can be worked on instantly - metadata added and multi-cam editing can begin immediately. Finally, there's



Ingest multiple sources from cameras, IP and broadcast feeds.



Manage media assets in real-time.



Process, overlay and transcode video

Out to audiences: content delivery

Straight to Screen

Grass Valley's T2 recorder / player is an FTP-enabled network device.



Completed programmes can be uploaded to the system and played out according to a schedule playlist. T2 supports the payout of 2 independent channels.

An excellent local area solution for big screen screen payout in HD

To every local device

HD content played out by the T2 is encoded by an Optibase **Media Gateway**. This blade platform encodes the two channels of content in real-time to MPEG IP streams optimized for set top boxes, PC and Macs and mobile devices.

An ideal local area solution for education, government, corporate and worship live TV.

Live to the world

A single channel of HD or two channels of SD played out by the T2 are encoded by an Optibase **MGW Micro Premium**. This device encodes the content in real-time to high quality MPEG-4, for real-time payout to global connected audience via a content delivery network such as Livestream, YouTube Live or Ustream.

High quality and reliable streaming to multiple audiences.



On Demand

Optibase develops tools to store, distribute and publish offline video assets. Ask the Holdan team for details of the new portable encoders and the EZTV system.

Introducing Teranex, the Total Workflow Partner

**Teranex is a broadcast quality...
...video processing unit complete with video
capture & payout**

- Standards conversion
- Aspect ratio conversion
- Adjustable scaling
- SD/HD conversion
- Colour correction
- Cadence detection & remove
- Noise reduction
- Aspect ratio conversion
- Timecode conversion
- Multi-channel audio conversion
- ProcAmp (luminance, hue, contrast, saturation...)



POST

**Ingest content into post & media
archives**

The Problem

Media held in analogue formats, prosumer or outdated digital formats need to be prepared, optimized and ingested.

The Solution

Teranex can process baseband video signals via component, composite, SDI and HDMI inputs. It is also capable of processing files in tapeless workflows.

Teranex's powerful toolset can clean, convert and optimize content to conform with broadcast protocols or to match the requirements of your archive.

Processed content can be delivered into a Rhozet **ProMedia Carbon** system for automated transcoding into your codec and format of choice.

LIVE TV

**Go live on TV, with any live
source**

The Problem

Breaking news is essential for live-to-air broadcasters. Today, feeds can come from anywhere- satellite, mobile phone, IP feed...

The Solution

Teranex can take any live feed- in NTSC, 720p, 576i or in 4:3 ratio and process it into the required format.

As well as re-formatting- say to 1080 50i- it can optimize content, de-interlace pictures, correct colour balances, reduce noise and even convert to stereoscopic 3D.

Where the broadcaster prefers to record incoming feeds, Teranex can perform signal processing and video capture onto a **Thunderbolt**-enabled workstation.

STREAM

**Broadcast results streaming on
the Internet**

The Problem

Streamed video often falls apart on close inspection. For high quality output on larger displays, Teranex can make the difference.

The Solution

While television signals are interlaced, streaming formats rely on progressive encoding.

Video uploaded to content delivery networks such as YouTube is automatically de-interlaced in the cloud. This may, or it may not, deliver good results.

Taking full control of the conversion process is highly advised. Teranex achieves the highest quality **de-interlacing** and allows full processing to ensure that video looks like TV... online.

Speed Editing with Fibre Channel

SONNET
SIMPLY FAST™

Shared Speed

Editing workgroups need its users to have full access to central media files with no bottlenecks, no frustrating slowdown in read / write speeds and no concern over data security.

Fusion R1600FIBRE storage systems offer great performance and high availability for multiple editors. Featuring an integrated RAID controller with a 4-port 8Gb Fibre Channel adapter, this system supports RAID 4, 5, 6, and 50 configurations for balanced performance and data security.

This 16-drive RAID Fibre Channel system is available with 16TB, 32TB, or 48TB storage and can serve up-to 30 concurrent streams of ProRes 422HQ.

Scalable Storage

Internal SAS expanders enable users to connect Fusion RX1600 Expansion



enclosures without the need for an additional RAID controller. Economical to upgrade, simple to install and fully modular, the expansion units are available in 16TB, 32TB and 48TB units.

All Environments

Fusion RX1600Fibre systems support Mac OS X, Mac OS X Server, Windows

Server 2008 and Server 2003, 7, Windows Vista, XP, & 7, and Linux.

They work with capture cards from AJA, Blackmagic, Matrox, and Bluefish444, work with applications including Grass Valley Edius, Apple Final Cut Pro, and Adobe Premiere Pro.

Plus, they are compatible with file sharing SAN management software packages such as Apple Xsan 2, Tiger Technology metaSAN 4, and CommandSoft FibreJet.

From A to BCDEFGHIJK and back

No media organization can survive by producing for one type of device. As a result, file-based transcoding is now mainstream.

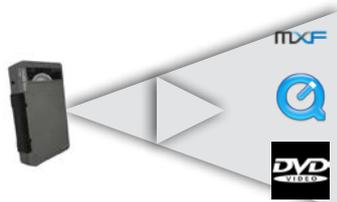
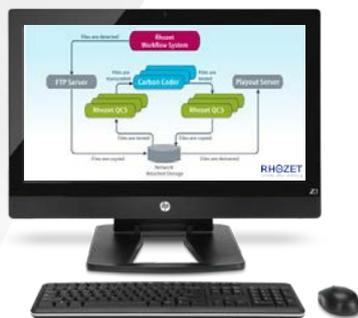
For the fastest results, highest quality, full format support, automated capabilities and broad processing options, Rhozet's **ProMedia Carbon** is the front runner.

It supports all major codecs and containers, including MPEG-2 (PS, TS, I-frame and Long Gop), MPEG-4 (H.264, XDCAM EX) and MXF (DV, DVCPPro, DVCPProHD, XDCAM, AVC-Intra) as well as QuickTime, Windows Media, Real, HTTP Live Streaming, Smooth Streaming and Flash.

Where transcoding duties are very high volume, for example in archive departments, global media owners or with multi-channel broadcasters, ProMedia Carbon can be configured as a heavy-duty farm. **Workflow System** (WFS) shares transcoding

amongst distributed workstations according to users' priorities, with full monitoring and reporting of job status and progress.

With WFS, the optional **Quality Control System** checks all files for issues of errors in compliance, format structure or metadata.



Edit Workgroup



Sonnet's Fusion™ Fibre-for-4 Package is a complete video editing shared storage solution.

It's designed for workgroups of up-to four users who want shared access to common data files, have heavy bandwidth requirements, need expandable capacity and require robust data protection.

Everything needed for setting up four users is included in one box:

- Fusion RX1600 Fibre storage
- Tiger Technology's metaSAN
- 4 x 8Gb Fibre Channel PCIe host adapter cards
- Fibre & ethernet cables

Why, MAM?

Racks of dusty master tapes are being succeeded by catalogues of digital files on hard drives and digital linear tapes in every organization.

While fast network devices can keep every asset safe, the thought of locating an individual file or project on demand often fills editors and producers with dread.

Even logical file keeping is simply inadequate to enable multiple users to identify, process and use files efficiently and to protect media from accidental deletion or inappropriate use.

Today's MAM systems have built-in proxy transcoding and processing functionality. They are also capable of working in unison with third-party systems to automate the ingest, storage and handling of media files.



Organizing 100,000+ files

Metus MAM can tag and track every file with far greater effect. It allows users to retrieve and work on content. System managers can safeguard network media by tracking user activity and granting user rights as appropriate.

The result is greatly accelerated editing projects, faster archive searching and more efficient content transcoding.

Metus MAM runs on Windows Server and manages any storage device- direct, area or network attached. **METUS Process Server** handles video and audio processing including:

- Transcoding
- Proxy generation
- File splitting and joining
- Audio mapping and embedding

Metus MAM has plug-ins for Grass Valley EDIUS and SONY Vegas,



enabling the user to search and browse at the project level and to edit in proxy mode for later automatic conforming.

With Metus **MAC Client**, the system can be accessed from Apple desktops, with Final Cut Pro support.

Metus MAM can scale from the single server and workstation to multiple sites on a WAN, that span over dozens of servers and hundreds of clients.

MAM... with a friendly face to the world

Traditional **Asset Management** archives content logically, protects resources, enables fast file processing and gives editors access to content fast.



Global Access & Cloud Functionality

Apace postMAM pro 3.0 goes further. Its Internet and transport features support media global online and sharing. Remote users can search, download or upload video clips to the asset management system.

Playback and media viewing is from any connected device with a browser. Its Flash-based streaming engine plays back content without local players such as QuickTime or Windows Media Player. Users have

the flexibility to watch individual clips or to create playlists for automated payout. What's more, simple edits can be performed - an excellent way to give customers and supervisors a fast rough edit preview.

Comments can be added by viewers at the frame level for detailed feedback or instructions to the post production team.

This web-based approach does not come at the expense of security: access control and user rights management can be administered locally or remotely. For added protection, data sent over the Internet can be watermarked or encrypted using a third party tool.

Editing Ecosphere

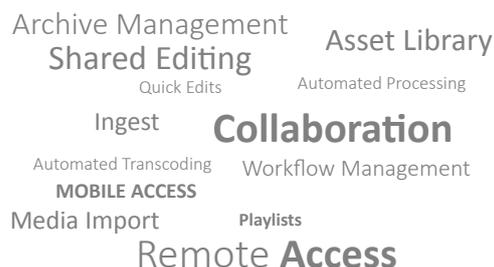
postMAM pro 3.0 runs on dedicated servers with a standard Ethernet interface, connected to any fast IT network. As an content creation platform, it can concurrently support PC/ Windows, Mac OS, Linux/ Unix workstations and supports a broad range of editing and effects applications including

software from Avid, Apple, Adobe Grass Valley, Autodesk, Harris and Sony.

Enterprise Workflows

The system is designed to fit into, and enhance every workflow. Its support for advanced camera codecs is broad: Panasonic P2 and AVCCAM, Sony XDCAM, Ikegami GFCAM and more, with full metadata import. Media, graphic and audio formats are supported, including PSD, QuickTime, avi, mxf, omf, tiff and jpeg.

Automatic proxy creation is built-in for fast viewing locally and remotely. Advanced tasks include workflow automation to enable transcoding and processing tools to interface with the assets.



Add a new dimension

With Cambo, you can go beyond the limited shots available from static tripods. Booms and jibs lift cameras effortlessly for sweeping shots while tracking or wheeled systems give an added sense of dynamism to your studio.

Adjustable length
V5 Boom for dynamic camera work. Supports cameras up-to 3kg



Dolly track

The V5 Boom can be mounted on a standard pedestal kit on UTS-5F track for ultra-smooth running.



Follow Focus MFC-2

NEW Follow focus control with adjustable stops. Move smoothly between user-defined points for truly cinematic results.



Send SDI signals... further

The Datavideo VP-633 & VP-634 signal repeaters send data further. Achieve SDI cable runs of up-to 1000m with these cost-effective units. VP-633: powered repeater | VP-634: unpowered repeater



From A to B

Just part of a vast range of format & standards converters we carry.



DAC-50 converter:
- SDI to analogue
- HD to SD
- 720p to 1080i



DAC-7 converter:
- Y:U:V to SDI
- Camera-mounted



NEW

DAC-60 converter:
- HD-SDI to VGA
- Scales output to VGA & HD-SDI



DAC-8P converter:
- HD-SDI to HDMI
- 1080p compliant



Mini Converter UpDownCross:
- HD-SDI in
- 5 HD-SDI out



DAC-9P converter:
- HDMI to HD-SDI
- 1080p compliant



VP445 Distribution
- HD-SDI in
- 4 HD-SDI out

Matched & Legal?

**Do your cameras match?
Is your content broadcast-legal?**

For cost-effective Vector Scope and Waveform Monitor, VS- series from Datavideo is easy to install and simple to operate.

The rack-mounted units offer a range of advanced video and audio measurement tools including colour bars, black and white balance and standard waveform tests, the results of which can be saved for matching against other video signals. Other video tests include display of the Histogram and Vector analysis for exposure and colour level monitoring.

VSM-100: single signal test system | **VSM-200:** dual signal test system
VS-100: portable test device | **VS-150:** test system for use with external displays



NEW VS-100

The appliances support variable colour temperatures while switching to PARADE mode for colour level checking gives users the option to select RGB or YCbCr. Finally, the VS gives users 8 channel audio level metering, an ideal at a glance way of optimizing sound levels.



NEW VSM-200

Panasonic Monitors

HD reference plasmas: Great for post production or grading suites, Panasonic's 42" and 50" screens are ideal for edit, graphics and animation workstations.

Now at an exceptionally low price...

- BT300 42" panel: NOW £1,700 (save £850)
- BT300 50" panel: NOW £2,500 (save £1,025)



15" BT-1500
- Desktop model



9" BT-LH910
- Designed for field production
- Viewfinder monitor



Panasonic's HMC-81 with the Datavideo TLM-430 4.3" on-camera monitor.

Datavideo Monitors

17"



NEW TLM-170P
- Full 1080P panel
- Desktop design

Also on show:
TLM-170H
- 1600 x 900
- Desktop design

TLM-170HM
- Folding design

7"



TLM-700HD
- Field monitor
- V-mount, Sony & Panasonic batteries

Also on show:
TLM-700
- Composite inputs

7"x2"



TLM-702HD
- HD-SDI & HDMI
- Composite & Component inputs

Also on show:
TLM-702
- Composite inputs

4"x4"



TLM-434H
- 4 x 4.3" monitors
- HD-SDI & HDMI
- SDI loop through

Also on show:
TLM-433
- 3 x 4.3" monitors
- Composite inputs

4"x4"



TLM-404H
- 4 x 4" monitors
- Composite inputs

For full specifications & prices, please visit www.holdan.co.uk

Recorders



DN-200: built-in 320GB capacity



DN-600 & DN-700 (rackmounted) with removable hard drives



HDR-45 & HDR-55 (rackmounted) with removable hard drives

NEW DN-60A on-camera Compact Flash recorder



datavideo®

Professional Grading



NEW

- DaVinci Resolve
- UltraStudio 3D
- 42" Panasonic BT300
- Cinema Camera

Blackmagic Portable Production Unit



Blackmagic's ATEM 1 PPU is fully customizable to deliver the best, most cost-effective solution for any live event.

It offers multicam HD production, extremely high quality video processing, recording and switching with creative vision mixing.

The Rack

- SmartView HD
- Micro Videohub
- SmartView Duo
- Video Master Control
- Teranex 2D **NEW**
- ATEM Studio Converter

The Functionality

16 i/o HD signal routing
Processing & conversion
SSD record & playback
Multi-screen monitoring
Vision mixing
Fibre connectivity

PCI Thunder!

What's so good?

- Twice the speed of USB3
- Daisy chain up-to 6 devices and a display

It's so good that new portable Apple computers- iMac's, MacBook Pro's and MacBook Air have few other connectors. While there are increasing numbers of Thunderbolt devices, such as Blackmagic's Teranex 2D and UltraStudio 3D, many devices are incompatible with the connector...

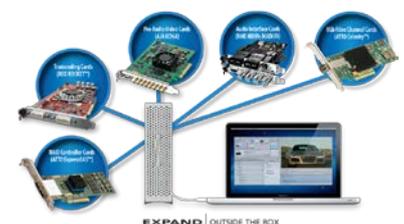
Until now. Now you can attach eSATA drives, PCIe devices, USB appliances and firewire systems with Sonnet Technology's Echo range.

The Echo range of adapters accepts either:

- ExpressCard/34 adapters (such as media card readers, eSATA adapters and video monitoring devices)

Or:

- PCI cards for video capture, audio interface, 8Gb Fibre Channel, 10Gb Ethernet, digital audio, RAID control...



Thunderbolt Production Unit

The Functionality

16 i/o HD signal routing
Video processing & conversion
SSD recording & playback
Multi-screen monitoring
Capture & playback on a Thunderbolt computer

The Rack

- SmartView HD
- UltraStudio 4K
- SmartView Duo
- Smart Videohub
- Teranex 2D **NEW**
- Hyperdeck Studio



Wireless 4:2:2

Teradek's Cube is great for H.264 webstreaming and remote monitoring.

Now, for critical image monitoring and full-resolution transmission with near zero latency, there is a **NEW** low-cost wireless option: Teradek **Bolt**.

Mounted to a camera and connected to a 3G-SDI output, Bolt sends signals to one or more receivers up-to 100 metres away.

Dual outputs on the receiver and



optional SDI loop-throughs on the transmitter means that the devices fit easily into any professional workflow. With this level of connectivity, users can attach monitors, recorders or even Cube encoders for instant H.264 streaming.

Bolt is very affordable. Ask us about different bundles available.

Go Proxy!

The **NEW** camera-mount H.264 recorder streamlines production processes with proxy, timecode and metadata recording and streaming.

Twinned with Panasonic's HPX250 / 255 cameras, the **FS-P250**

enables live monitoring and fast offline editing locally or via cloud systems.



Go long! Shoot anywhere with new data solutions

Holdan is introducing IntraTec at BVE North. Its product range is the perfect partner to Teradek streaming encoders and WiFi senders, greatly extending their reach and wireless performance.

Available in single (**Bridge**) and dual (**Bridge Duo**) radio configurations, the unit receives and sends IP data with high powered wireless transmitters.

Bridge can achieve data rates of 450Mb/s and supports transmission over 250 metres; Duo doubles the transmission distance to 500 metres. With an external antenna and line of sight, live streams can be delivered over distances of up-to 10 kilometres.

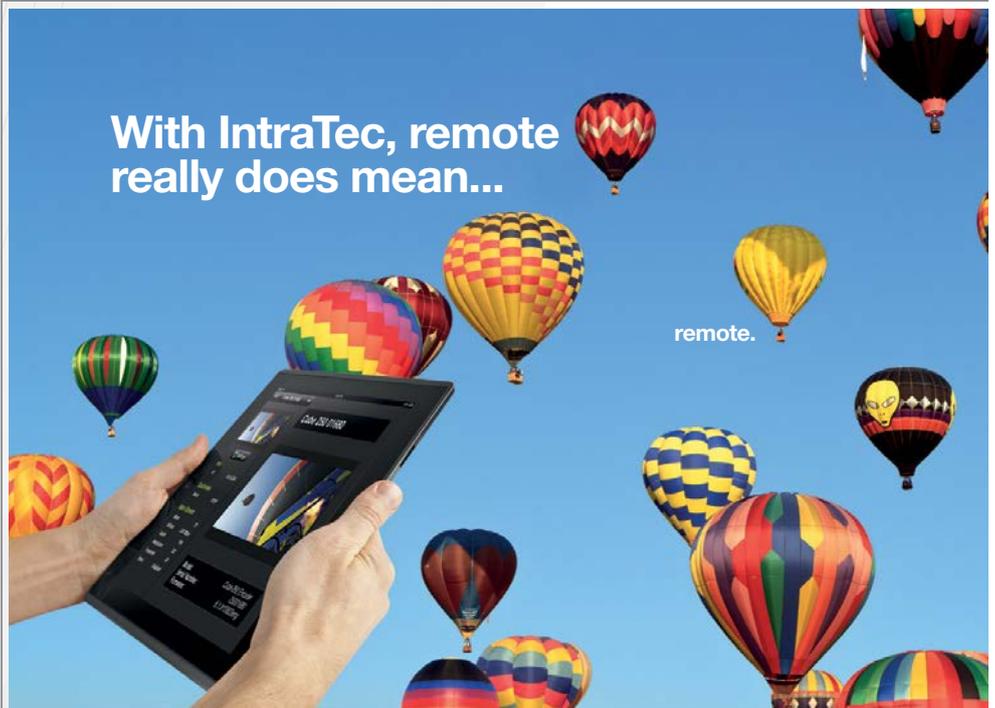
Streaming to the Internet or monitoring live feeds is enabled in every situation:

- Sailing boats at sea transmitting to big screens on land
- Remote aerial photographers sending video to the Net
- Cameras at sports venues freed from long cable runs
- Documentary makers monitoring (very) remotely

Bridge pairs elegantly with new Teradek **Cube** units. The **NEW** 155 model incorporates high quality on-board encoding with proxy recording, in-built battery power, OLED screen for access to settings and native integration with networks such as Livestream, Ustream and YouTube Live. It also adds an option for MPEG-TS streams.

Also **NEW** at the show is Teradek's **Link**. Like Bond, it aggregates multiple cellular signals for sending video live over mobile networks. Importantly, Link

is off-camera so that the unit can be placed in the best location to receive optimal mobile signals and maintain fast data rates.



Affordable long distance wireless streaming

Now you can fully liberate your cameras by adding low-cost IntraTec Bridge units to your kit bag.

With Bridge, operators can send and receive live HD video streams over distances in excess of 250 metres – and up-to 10km* – for truly remote HD production.

The perfect match:

- Panasonic HPX600 P2 camcorder
- Teradek Cube
- IntraTec Bridge

Shoot, encode, stream, monitor and play out Wire-free.

*in ideal conditions with an external antenna



HOLDAN
BROADCAST & PROFESSIONAL WORKFLOW SOLUTIONS