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# XDCAM Interoperability Guide

XDCAM™  
Professional Disc System

[www.sonybiz.net/xdcam](http://www.sonybiz.net/xdcam)

**XDCM™**  
Professional Disc System

# Speed. Freedom. Flexibility.

Welcome to the Twenty First Century production platform.

In today's fast moving world, broadcasters are looking to save time, deliver tangible workflow improvements and reduce their operational costs. Now, with Sony XDCAM, there's a network-centric production platform that brings acquisition, production and distribution into a single, seamless, file-based environment.

Developed to meet the real-world needs of the most demanding broadcast users, Sony XDCAM uses Professional Disc technology to overcome many of the traditional restrictions of tape-based systems. Sony XDCAM stores high resolution content in a choice of formats – right up to MPEG IMX at 50 Mb/s for Digital Betacam quality – plus low resolution proxies, metadata and project files on a high capacity optical disc protected by a tough, durable cartridge.

Harnessing the power of open IT industry standards, XDCAM embraces network-centric paradigms like non-linear random access, file sharing and advanced metadata handling. The result? With XDCAM you can shoot and edit directly using the same physical capture medium, eliminating the most time-consuming bottlenecks from traditional tape-based production.

In a convergent world where speed, flexibility, quality, dependability, compatibility and integration are vital, Sony XDCAM takes production workflow into the 21st Century.

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Adobe is the world's leading provider of software solutions to create, manage and deliver high-impact, reliable digital content. Adobe provides a comprehensive set of industry-leading video and audio production tools for nonlinear video editing, visual effects creation, advanced audio editing, and DVD authoring.



## Adobe Premiere Pro 1.5

Adobe® Premiere® Pro 1.5 is the most scalable video editing application on the market today. With its expansive hardware options, Adobe Premiere Pro enables you to work with the format of your choice - DV, HDV, SD, or HD. Its powerful set of real-time tools - including advanced colour control, keyframeable effects and superior audio editing - enable editors to work quickly and efficiently. Adobe Premiere Pro's unparalleled integration with other project critical tools such as Adobe Photoshop and Adobe After Effects provides the most efficient workflow. And with its support for various export formats, and support for SANs, ASIO, AAF and EDL, Adobe Premiere Pro 1.5 increases your productivity end to end.

## XDCAM Compatibility

Adobe Premiere Pro 1.5 provides interoperability with the Sony XDCAM using plug-in technology from Video Technics. With Video Technics' VT XDCAM browser plug-in, you can connect directly to any XDCAM device on the network to browse and sort by ID, date, duration, and thumbnail picture. Files are automatically wrapped in either an AVI or MXF file container without transcoding, which preserves the original file quality while transferring files much faster than real-time. Media can be dragged and dropped directly into the local Adobe Project Bin or imported to a NewsFlow™ SAN or NAS for shared access and playout on any Apella™ server channel.

### Products supporting XDCAM:

Adobe Premiere Pro 1.5 (with Video Technics VT XDCAM browser plug-in - available in September, 2005)

## Adobe

### Contact

**Corporate Headquarters (US)**  
00 1 408 536 6000  
**European Contact**  
Kevan O'Brien  
00 44 2086 061178  
**Website** [www.adobe.com](http://www.adobe.com)



Apple ignited the personal computer revolution in the 1970s with the Apple II and reinvented the personal computer in the 1980s with the Macintosh. Today, Apple continues to lead the industry in innovation with its award-winning desktop and notebook computers, OS X operating system and iLife and professional applications. Apple is also spearheading the digital music revolution with its iPod portable music players and iTunes online music store.



## Final Cut Pro 5

The scalability, performance, and Emmy Award-winning workflow of Final Cut Pro 5 make it the first choice of professional editors everywhere. Work natively in any format, from DV and HDV to DVCPRO HD and uncompressed 10-bit HD. Final Cut Pro 5 is built for speed with precision editing tools, RT Extreme with Dynamic RT, powerful new Multicam editing tools, advanced real-time colour correction and image manipulation filters, and audio control surface support. Deep integration with Apple's professional applications lets editors seamlessly move from one creative task to the next. Interoperability with Xsan, and support for open standards like XML, let Final Cut Pro 5 fit into virtually any production.

## XDCAM Compatibility

Final Cut Pro 5 offers integration with Sony MPEG IMX via Telestream's Flip4Mac product. With Flip4Mac installed you are able to import directly from XDCAM devices into Final Cut Pro at faster than real time, or access MXF files on the network. Final Cut Pro 5 edits the MPEG IMX footage natively on the timeline thus giving no generational loss.

Once the files are in Final Cut Pro 5 editors have access to all the functionality of the application, Realtime effects and filters, MultiCam editing of up to 128 sources, support for the Xsan environment, integration with other applications including Motion 2 for motion graphics, Soundtrack Pro for audio fixing and sound creation.

### Products supporting XDCAM:

Final Cut Pro 5  
Final Cut Studio

## Apple

### Contact

David Cockle  
European Business Development  
Manager - Video

Phone +44 207 7184 1072  
e-mail dave.c@euro.apple.com  
Website

[www.apple.com/finalcutstudio/finalcutpro](http://www.apple.com/finalcutstudio/finalcutpro)

# Avid



In 1989, Avid introduced the industry to digital nonlinear editing with the Media Composer® system. It revolutionised the post production process by providing editors with a faster, more intuitive and more creative way to work, and helped pave the way for a digital revolution within the film, video, and broadcast industries. Today, Avid is the world leader in digital nonlinear media creation, management and distribution solutions, with products like Avid® Unity™ for News, Avid Media Composer Adrenaline™, Avid DS Nitris™, Avid NewsCutter® XP, SOFTIMAGE® XSI® and Digidesign® Pro Tools® enabling broadcast, film, video, audio and animation professionals to work more efficiently, productively and creatively.

## XDCAM Compatibility

XDCAM users can interface directly with Avid NewsCutter XP, Avid NewsCutter Adrenaline, Avid Xpress® Pro and Avid Media Composer Adrenaline editors using IEEE1394 connectivity. Several workflows are possible including both proxy based and high resolution only. Proxy material is imported much faster than real-time and can be edited directly in the Avid timeline where it can be intermixed freely with any of the many formats and resolutions supported by Avid's Adrenaline DNA™ technology. Once the edit is complete, a single click is all that is needed to conform the sequence. This is achieved by importing only those sections of the high resolution footage actually needed.

FTP-based acquisition is also supported and provides faster than real-time transfer of high resolution media directly to individual editing workstations or to an Avid Unity workgroup where it can be accessed simultaneously by many editing clients. Products supporting this workflow include Avid NewsCutter XP, Avid NewsCutter Adrenaline and Avid Media Composer Adrenaline.

Both solutions are excellent examples of the commitment of Avid Technology to industry-standard, open platform technologies such as MXF, for delivering superior workflow and productivity.

### Products supporting XDCAM:

Media Composer Adrenaline 1.6.6, Media Composer Adrenaline HD 2.1.6, Avid NewsCutter Adrenaline 6.1.6, Avid Xpress Pro HD 5.1.6\*, Avid NewsCutter XP 6.1.6, Avid Media Composer Meridien 12.0.8\*\*, Avid NewsCutter Effects 4.0.8\*\*

\* Supports DVCAM material via IEEE1394 only \*\* FTP high resolution import only

## Product Descriptions

### Media Composer Adrenaline HD 2.1.6

The professional's choice in digital nonlinear editing systems offer real-time HD, SD, and DV performance, legendary image quality, and the industry-standard editing environment.

### Xpress Pro HD 5.1.6

Powerful HD, SD, DV, and film editing software, with native HD editing, advanced colour correction, and the industry's most complete set of professional features.

### NewsCutter Adrenaline 6.1.6 NewsCutter XP 6.1.6

Fully featured editing in SD and HD resolutions, with comprehensive newsroom integration and industry-leading features and functionality.

## Avid Technology Europe Ltd

### Contact

Pinewood Studios  
Pinewood Road, Iver Heath  
Bucks SL0 0NH  
United Kingdom

**Phone** +44 (0) 1753 655999  
**Website** [www.avid.com](http://www.avid.com)

# Avid

Success in broadcast news depends on making the most of every asset: your systems, your staff and your media. Avid's integrated digital nonlinear solutions support your existing technology, industry-standard formats and third party devices to leverage an all-encompassing workflow and optimise productivity. Access is vital. News editors, journalists and promotions producers edit centralised media in real time. Feed room operators, media logging assistants and reviewers participate in the workflow without waiting for an edit suite. Only an efficient, end-to-end workflow provides complete control of the process at every point. Avid Broadcast solutions take news production to a new level of quality and productivity. They allow broadcasters to deliver richly produced, high-quality content – from the journalist's desktop, from the field at the last minute, via the Internet, and even to wireless phones. Streamline the production process, automate steps along the way, and do more with the resources you already have. That's the total Avid broadcast solution.



## Liquid<sup>™</sup>

Liquid Broadcast is the only real-time HD / SD broadcast video editing system uniquely designed to handle the most demanding requirements of top broadcasters, with superior real-time capabilities, comprehensive editing toolset, scaleable workgroup configurations, and seamless third-party product interoperability. Liquid's SmartEDIT technology supports multiple video formats, frame rates and resolutions simultaneously within a single timeline, including native HDV, MPEG-2 IBP, MPEG-2 I-frame and uncompressed editing, all with real-time capture and playback.

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## XDCAM Compatibility

Liquid Broadcast fully supports XDCAM, allowing the high-speed transfer of files into Liquid, native editing in Liquid without any decompression or recompression steps, and the optional transfer of files back to XDCAM.

### Products supporting XDCAM:

Liquid Broadcast version 6.1

## Avid Technology Europe Ltd

### Contact

Pinewood Studios  
Pinewood Road, Iver Heath  
Bucks SLO 0NH  
United Kingdom

**Phone** +44 (0) 1753 655999  
**Website** [www.avid.com](http://www.avid.com)



Blue Order is a global provider of turnkey Media Asset Management (MAM) solutions. Media and entertainment companies and public institutions use Blue Order products to collect, index, catalogue, retrieve and distribute audio-visual and multi-format content. Blue Order's Media Archive product suite provides a comprehensive MAM framework to support new digital content services, optimise workflows and increase efficiencies along the content value chain.

Blue Order is headquartered in Germany with subsidiaries in the UK and US and has been deploying its products since 1995 for a broad range of customer applications, with special emphasis on broadcast, library and media production applications.



## Media Archive

Media Archive® is a highly scalable and extensible Enterprise Media Management platform designed to manage rich media content in time critical applications.

Media Archive is a distributed, modular, open and scalable software platform, which is under continuous ongoing development. Media Archive's open architecture allows for the integration of third party software components, including database management systems, full text retrieval engines, streaming servers, format conversion, analysis and indexing tools from various vendors. Media Archive may also be adapted to the specific needs of the customer; interfacing to legacy databases, cataloguing and editing systems.

## XDCAM Compatibility

Media Archive® enables greater efficiency in the content value chain and, taking advantage of Sony's XDCAM advanced feature set, provides the tools for an efficient internal and external use of highly valuable media assets. The integration offers users the ability to create a retrievable and browsable archive for all media content that has been recorded on the XDCAM.

High-res AVV content is simultaneously captured in a low-resolution, frame-accurate proxy MXF file format that is fully supported by Media Archive. Using the Media Archive Workspace management, the selected footage can be automatically transferred as individual media objects to the archive system. During the transfer, the Media Archive Workflow engine triggers a video analysis process which extracts frame accurate keyframes from the MXF proxy. Frame accurate browsing and EDL creation using the MXF proxy is also enabled at this stage.

All metadata associated to the XDCAM recording will be kept in the Media Archive system enabling future use of the media content. This metadata can be enhanced using the Media Archive Cataloguing Client.

Simply at the touch of a button users can quickly and easily search for archived material, browse, review and catalogue it and assemble EDLs almost immediately after acquisition.

**Products supporting XDCAM:**  
Media Archive 3.1 (from Q1/2006)

## Blue Order AG

**Phone** +49 (0) 631 303 5200  
**Fax** +49 (0) 631 303 5209  
**e-mail** [contact@blue-order.com](mailto:contact@blue-order.com)  
**Website** [www.blue-order.com](http://www.blue-order.com)



Canopus Corporation, headquartered in Kobe, Japan, designs and markets digital video solutions. The company combines innovative hardware and software design to set new standards in performance, functionality and reliability. Industry leaders worldwide recognise Canopus's advanced HD, HDV, DV and MPEG codec technologies, which are featured in the company's acclaimed video editing solutions, transcoding products and network-based video distribution systems. Canopus employs over 200 people worldwide and has offices in the US, UK, Germany, Australia and China.



## XDCAM Compatibility

Using MXF (Material eXchange Format), Canopus streamlines workflow either via a LAN connection or i.LINK<sup>®</sup> interface to the disc player, making it easy to add XDCAM footage to EDIUS projects without the need for any file conversion. Users simply copy MXF files (IMX or DVCAM mode) to the EDIUS system and begin editing. Because EDIUS also supports Multi Format Editing, it can mix different frame rates and sizes of AVI, MPEG and QuickTime files and even HD/SD resolution, so XDCAM footage can easily be incorporated into existing EDIUS projects.

### Products supporting XDCAM:

EDIUS Pro 3.5 software; EDIUS NX for HDV; EDIUS SP for HDV; EDIUS SD; EDIUS HD

## EDIUS

EDIUS Pro 3.5 editing software provides native editing and realtime processing of uncompressed SD, HD, HDV, DV, MPEG-2, and MPEG-1 formats. With its seamless realtime workflow, EDIUS lets professionals mix and share video content in multiple formats and work with unlimited video, audio and effects layers, while providing realtime high-quality, display. EDIUS delivers increased quality and realtime performance through the company's acclaimed variable-bitrate Canopus HQ codec. EDIUS includes features such as realtime HQ batch capture from 1080i HDV sources, advanced audio tools and precise colour correction controls, to help editors create the highest quality productions. The EDIUS XDCAM Option is a plug-in for Canopus's entire range of EDIUS-based editing solutions.

## Canopus

### Contact

Jeromy Young  
Sales Director, Canopus Europe

**Phone** +44 1189 210 150  
**e-mail** jeromy.young@canopus.co.jp  
**Website** www.canopus.com



Dalet's broadcast and asset management solutions are used in 50 countries by over 1,700 customers including ABC, ARD Tagesschau, BBC, Bayerischer Rundfunk, Cadena Ser, Canadian Broadcasting Corp, Catalunya Radio, Deutsche Welle, EMAP, Emmis, Entercom, Fashion Show Media Network, ITN, Journal, MBC, Mediaset, MediaCorp Singapore, National Public Radio (NPR), NDR, Radio France, Radio France International, Radio Suisse Romande, Rhein-Neckar Fernsehen, Radio Television Malaysia (RTM), The Scottish Parliament, SKY Television, South Africa Broadcast Corp., SWR, Universidad Autónoma de Barcelona, Voice of America, Washington and Lee University, WDR, Weather Channel, and XM Satellite Radio.



## XDCAM Compatibility

DaletPlus InterWeb, DaletPlus News Library and DaletPlus News Suite fully integrate with Sony's XDCAM decks. DaletPlus users can easily review and record DVCAM and MPEG IMX material into the DaletPlus asset manager via i.LINK or file access mode, either complete files or selected parts that are marked through the MPEG4 preview. Once ingested, DaletPlus users are able to edit the clips, add voiceovers, preview and queue material for broadcast.

Designed with an asset management infrastructure, DaletPlus products maintain all associated XDCAM sourced metadata from ingest to archive. XDCAM metadata enters Dalet's core media asset management system that features customizable forms, live database updating and links to HSM (hierarchical storage management) systems. As news production moves to more IT-centric workflows and technology, the Sony XDCAM technology perfectly represent the next generation of metadata-aware formats that will be vital to effectively cataloguing and retrieving broadcasters' growing library of digital assets.

### Products supporting XDCAM:

DaletPlus 1.4

## DaletPlus News Suite

DaletPlus is the underlying enterprise-wide architecture for the latest generation of Dalet broadcast solutions.

A product of one of the most comprehensive software development efforts in the industry, the DaletPlus enterprise-wide media platform empowers all DaletPlus products with user access rights, metadata management and workflow design.

DaletPlus serves as the foundation for DaletPlus broadcast family of products: **DaletPlus News Suite**; end-to-end television news production and playback, **DaletPlus InterWeb**; multi-location production and asset management and **DaletPlus News Library**; media asset management and archiving design for television news.

## Dalet Digital Media Systems

### Contact

MICHAEL SCHÜLLER  
CEO

**Phone** +49 89 158155100  
**Fax** +49 89 158155555  
**e-mail** mschueller@dalet.com  
**Website** www.dalet.com



EVS Broadcast Equipment has been committed to the international television community, developing digital video disk recording technology since the company's inception in 1994. EVS' revolutionary disk-based slow-motion replay devices include the Live Slow Motion system (LSM), which is second to none and has evolved into a worldwide industry standard. The newest range of general-purpose video servers includes models designed for live broadcast applications as well as for integration in an automated play-out environment. The EVS Group currently employs over 150 people on a dozen different sites around the world. EVS products are being sold in more than 60 countries.



### EVS CleanEdit

EVS CleanEdit delivers a complete suite of affordable news and sports production applications from ingest to playout. The modular design allows the system to be scaled to meet the most demanding workflow requirements, and to be tailored to any newsroom environment. The unique open approach integrates standard IT-based equipment with high performance multi-format broadcast video servers. Journalists and editors are now capable of getting breaking news to air within a flash. They no longer need technical assistance or to even leave their desks.

### XDCAM Compatibility

In News environments, the CleanEdit concept is largely based on the availability of low resolution copies of the broadcast footage. This allows cost-effective implementation within an existing IT infrastructure, and enables multiple users (journalists, editors, etc) to share content and projects.

EVS CleanEdit does not require rendering at any stage of the workflow; last-minute changes on the low-res edit are available instantly for playout in high-res. The field generated proxies that XDCAM provides link perfectly with this approach.

The media importing from XDCAM Professional Disc to the storage area and CleanEdit database is a very fast and automatic process. Users are therefore able to take advantage of their rushes very quickly and begin editing without delay. For High-res only or high and low res, XDCAM integrates perfectly with CleanEdit.

#### Products supporting XDCAM:

CleanEdit Suite Package (from 01.08.06)

### EVS

#### Contact

Mr. Henry Alexander  
General Sales Manager, EMEA

**Phone** +32 4 361 7000  
**Fax** +32 4 361 7099  
**e-mail** sales@evs.tv  
**Website** www.evs.tv



Gee Broadcast Systems has been supplying quality solutions to broadcasters for over 18 years. The Geevs server brand has become internationally renowned and is at the heart of well over 300 server channels. These range from single-channel, automated playout systems, up to huge networked distribution facilities. In addition to manufacturing the Geevs servers, Gee Broadcast Systems' subsidiary, Lightworks UK Ltd., provides pioneering non-linear editing systems which are hugely successful in film and multi-cam TV productions.

Gee Broadcast Systems offers training, support, distribution and integration of its own and third party solutions to meet all customers' needs.

## Geevs

The Geevs MR 250 is a cost-effective, dual channel server that is perfect for News system integration and small production environments. The Geevs MR 250 features a lightning fast response time, compatibility with industry standard production tools and multi-code support. Like all Geevs Servers, it takes advantage of the Geevs Clients to produce flexible, network-controllable and customised workflows. Alongside Geevs, a variety of SAN and NAS based storage solutions are offered to facilitate the sharing of content in very small or very large (50+) channel requirements.

## XDCAM Compatibility

Geevs video servers support the capture and playout of broadcast standard material in a wide range of formats, including MPEG2 and DV25. MXF compliance built into Geevs allows files from XDCAM to be simply dragged and dropped into Geevs storage, automatically updating the clip information database. Close integration between Geevs and XDCAM ensures that recorded material is captured transparently by Geevs and is then immediately available for editing or playout. Interoperability could not be simpler.

### Products supporting XDCAM:

Geevs XT 250, Translate and AutoRun clients.

## Gee Broadcast Systems Ltd

### Contact

**Email** sales@geebroadcast.co.uk  
**Phone** +44 1256 810123  
**Website** www.geevs.co.uk



Grass Valley provides complete fast turn production systems for TV News, sports and production.



### NewsEdit<sup>™</sup>

NewsEdit- Versions 5.1 and beyond supports XDCAM, in both file mode and AVC for the flexibility to match your workflow.

### XDCAM Compatibility

NewsEdit (all versions) supports both the AVC protocol for operation like a fast tape deck as well as file based modes where native high-resolution video is viewed and edited directly from XDCAM. This information can then be committed to the time line and protected, even when the XDCAM disc is removed.

#### Products supporting XDCAM:

NewsEdit-LT, NewsEdit-SC, NewsEdit-XT

### Grass Valley A THOMSON BRAND

#### Contact

Jeff Junker  
Product Manager - News Editing Products

**Phone** +1 (781) 939 6239  
**Fax** +1 (781) 939 6201  
**Mobile** +1 (781) 354 0095  
**Website** [www.thomsongrassvalley.com](http://www.thomsongrassvalley.com)



Turn on a television or a radio almost anywhere in the world. Chances are excellent that the signal you receive is being broadcast with hardware from Harris Corporation's Broadcast Communications Division. Harris is regarded as one of the world's foremost developers and manufacturers of analogue and digital television transmission systems.

Today however, Harris Broadcast Communications offers much more as a global leader in total content delivery for existing and evolving markets. Through acquisitions and internal development, Harris has become a world class provider of software workflow management, service management and networking solutions.



### Harris D-Series Automation System

The Linux 2.6, open standards based D-Series Version 4 Automation System provides a reliable, scalable content management and delivery foundation for building the digital television facility of the future. D-Series efficiently and profitably bridges your transition from today's multi-channel content management and delivery environment to tomorrow's. Because every environment is unique D-Series is extremely configurable and can support a wide range of workflow solutions including medium and large scale XDCAM ingest and playout requirements.

### XDCAM Compatibility

The Harris XDCAM Cart Control System allows broadcasters to efficiently and effectively integrate the Sony PDJ-C1080 Professional Disk Cart machine system into digital asset management and multi-channel playout automation environments.

The Linux 2.6 based Cart Control System automatically manipulates the PDJ-C1080 robotics and XDCAM disks and decks in order to build and maintain a database of all on-line Professional Disk content, associated segment timing information and other metadata. This information can then be accessed by Harris D-Series Automation and Arkemedia digital asset management systems via a network connection.

The Cart Control System supports simultaneous real time control of all four PDW-1500 XDCAM desks in the Professional Disk Cart, allowing a single PDJ-C1080 to service multiple ingest or playout channels as an economic, high density, next generation replacement for conventional tape based robotic playout devices.

#### Products supporting XDCAM:

All members of the Harris D-Series A7 and A8 family of ingest and playout automation products and Arkemedia digital asset management system products support XDCAM, either directly or via the Harris XDCAM Cart Control System.

### Harris Software Systems

#### Contact

Harris Systems Limited  
14 Cedarwood, Chineham Business Park  
Chineham, Basingstoke, RG24 8WD, UK

**Phone** +44 1256 379 000  
**Fax** +44 1256 707 478  
**Website** [www.broadcast.harris.com](http://www.broadcast.harris.com)



Integrated Broadcast Information Systems (IBIS) has been offering MAM, Newsroom, Transmission and Channel Management solutions for fifteen years. Founded by the team responsible for the UK Channel 4 launch in the 1970's and BSB's five channel satellite service the company has grown annually and now has installations and offices worldwide. Acknowledged as pioneers in videosever management IBIS MAM solutions are used in news, sport and transmission environments. When integrated with IBIS Channel Management a true end-to-end solution is possible from rights management through acquisition, library, transmission to as-run log reconciliation.



## IBIS Archive

IBIS Archive offers archive to XDCAM from videosever and restore from XDCAM to videosever. As part of the IBIS MAM solution metadata relating to archived and restored clips is tracked and matched throughout the workflow process.

## XDCAM Compatibility

In addition to exploiting XDCAM as a conventional digital video source with our automation and ingest tools, IBIS is providing integration with our asset management and archiving applications. This in turn provides the ability to access and use the in-built low-resolution browse video for reference and previewing, together with repurposing directly to web-compatible formats.

As IBIS reads, writes and updates the MXF metadata to allow management of the original shooting data and the addition of further data during the production process, IBIS is able to offer XDCAM - and its automated big brother XDCAM Cart - as an alternative to archiving and near-line storage. This provides all the benefits of older data-only DVD-type storage combined with direct access to full broadcast-quality digital video playable on any XDCAM device within a facility.

### Products supporting XDCAM:

- IBIS Archive: move to and restore from archive
- IBIS ServerLoad: move material from tape to XDCAM
- IBIS ServerBase: track metadata
- IBIS Transmission Automation
- IBIS PAC - release date 9th September 2005

## IBIS

### Contact

Andrew Winter  
Director Sales and Marketing

**Phone** +44 1483 280208  
**Fax** +44 1483 280244  
**e-mail** Andrew.winter@ibis.tv  
**Website** www.ibis.tv



IMC Technologies Inc is a market leader in providing revolutionary, end-to-end, integrated solutions for broadcasters based on user-approved, collaborative workflow for News, Sports, and Promo Production. IMC's total solution offers:

- A totally integrated, digital solution, including software, hardware, system setup and integration, training and support
- An increase in Human Resources efficiency
- Reduces the learning curve and facilitates re-education
- Reduces initial investment and offers affordable expansion
- Saves Time and increases productivity
- Streamlines collaborative workflow
- Builds on modern concepts in IT/Networking technology

IMC's totally tapeless, IT philosophy offers cost-effective migration to scalable BSN (Broadcast Shared Network) based on a comprehensive product family. It is an affordable, adaptable solution that can be easily expanded on demand.

### Designed for professionals

#### Remote Producer RP -

IMC's DV NLE software is designed for the professional craft editor, offering a complete range of real-time editing tools over two streams of video and one graphics/titles layer capturing), real-time animated titling, background rendering/encoding, 3D compositing effects, professional audio suite features, and advanced networking capabilities (including dynamic, real-time access to shared network media and project assets), IMC Remote Producer RP Pro means no compromise in editing or production power.

#### Newsmaker - N1

IMC Newsmaker is designed for fast cutting when it comes to on-line news production. IMC Newsmaker provides real-time and immediate access to native broadcast-quality media on SAN shared storage, can capture new footage directly to timeline, and a streamlined interface with special features designed to match the way craft editors edit in newsroom environments.

#### Video Printer -

The purpose of IMC Video Printer is to provide a centralised "video printing" service for all network clients using IT technology in much the same way a desktop printer prints paper-based documents for an office environment. IMC Video Printer services the entire network through IMC Task Server, processing mix down requests from IMC client NLE applications like IMC Newsmaker N1. IMC Video Printer is designed to provide hi-res mixdown, while the media used to create the actual timeline can be proxy format media. File status for the playlist media can be viewed through the project list and MAM server using IMC Media Manager M2 as the client, where playlist media can be organised to create running order for rundown lists.

#### Task Server Q10 -

The use of IMC Task Server technology expands the versatility of your post or broadcast facility by providing easy creation of multiple hi-resolution and proxy file formats during capture, batch rendering and render farming for all software effects, flexible conversion tools for easy export and distribution, and processing remote mixdown of playlist files through IMC Video Printer.

## XDCAM Compatibility

Incite will download the XDCAM metadata, proxy files and hi-res files either via an ftp connection or via file-access mode. The download is done as a background service to allow the user to continue editing.

Incite automatically associates the proxy and hi-res files in our database and users can pre-edit and edit using the proxy files and switch to the hi-res files to finish.

### Products supporting XDCAM:

Remote Producer, Newsmaker, Media Producer

## IMC Technologies Inc

### Contact

Georges Nakhle  
Managing Director

**Phone** +41 22 308 9370  
**Mobile** +41 76 347 0769  
**e-mail** georges.nakhle@incite-tech.com

Ivan Plemic

**Phone** +41 22 308 9372  
**Mobile** +41 78 890 3914  
**e-mail** ivan@incite-tech.com



Leitch Technology is a global leader in the design, development and distribution of high-performance video systems for the professional television industry. With a 33-year history and a broad portfolio, Leitch's comprehensive product range is designed to provide tailored solutions that support a customer's unique application workflow. This dramatically reduces the costs and complexities of content production, processing, transmission and management for a truly integrated Content Environment.



## XDCAM Compatibility

XDCAM allows Nexio NewsFlash to speed up the News gathering process by file transferring News footage from an XDCAM camera rather than the traditional real-time ingest process.

News footage captured on XDCAM Professional Disc in the field can be passed from camcorder or deck to the Newsflash editing station for immediate FTP transfer to shared storage. Following transfer, footage can be accessed and cut by Newsflash edit bays. Leitch server technology makes it possible for all bays to view and edit clips simultaneously without any transfers. This 'true shared storage' allows users to see material coming in from any source (including XDCAM) as it is being transferred or ingested. Within 3 seconds of completing the edit, finished material can be played to air. Transferring files in this way can cut the News footage acquisition time in half.

### Products supporting XDCAM:

NexioHDX - Version 3.0 - Released: June 2005

VelocityXNG - Version 1.0 - Release date: October 2005

VelocityNX - Version 1.0 - Release date: February 2006

NewsFlash and NewsFlashFX - Version 4.0 - Release date: October 2005

NexioTSX version 2.6

NexioITS version 2.6

## Nexio NewsFlash

Nexio NewsFlash is a server based editor built for very fast editing. Part of the Leitch Nexio NewsNet family of products, NewsFlash offers all users direct Fibre Channel access to shared Nexio storage, creating a true collaborative environment. And with all seats able to start editing the moment that ingest begins, there are no delays or restrictions. The feature set is rich, including tape to timeline ingest, special effects, CG and third-party plug-in support - all purpose-built for speed. Based on shared storage, NewsFlash eliminates the need to wait for transfers, dubs or field tapes.

## Leitch

### Contact

Kyle Cowan  
Product Manager-News Editing  
Leitch Video Servers

**Phone** +1 (818) 843 7004 x311  
**Mobile** +1 (818) 472 2052  
**e-mail** kyle.cowan@leitch.com  
**Website** www.leitch.com

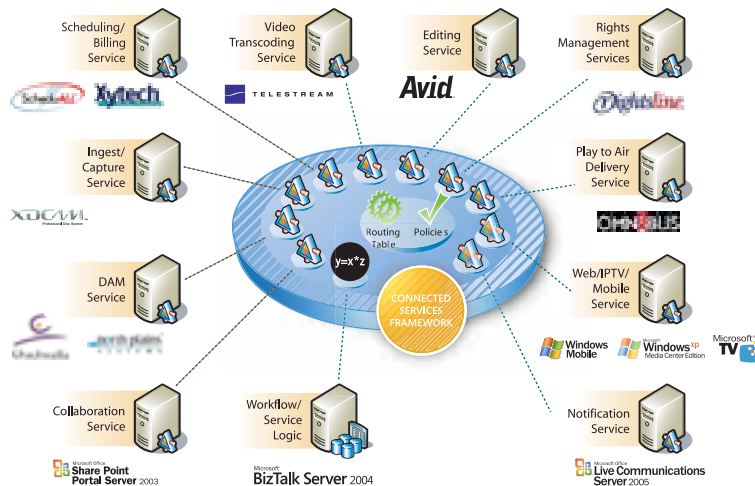
# Microsoft®

Microsoft has a team of professionals from the media and entertainment industry who know, firsthand, the internal and external pressures of the broadcast and film industries. That team, combined with a select group of media-connected technology partners, is helping companies to embrace a digital environment and transform their businesses by strategically using technology. The result? Increased operational efficiency, reduced costs, the agility to take advantage of new business opportunities as they emerge, and enhanced consumer content and services experience.

## Microsoft Connected Services Framework

Microsoft Connected Services Framework for Broadcast and Film: Speed content creation, improve content management and stream-line content distribution, to increase business productivity and realise new business opportunities.

## Digital Integrated Workflow



## Microsoft

### Contact

Nancy Naraway  
Senior Marketing Manager  
Worldwide Media and  
Entertainment Group  
Microsoft Corporation

**Phone** (0) 425 705 3724  
**Mobile** 00 1 425 894 6369  
**Website** [www.microsoft.com/resources/mediaandentertainment/solutions\\_connected\\_services\\_framework.msp](http://www.microsoft.com/resources/mediaandentertainment/solutions_connected_services_framework.msp)



MOG Solutions is a leading provider of MXF technology, facilitating the challenge of managing today's digital transition with a full complement of applications and services, backed by a successful merge of strong broadcast industry experience and sound knowledge of the information technologies' potential, which is used to deliver high quality services and products.

MOG Solutions' products allow customers across all sectors of the industry - including broadcasting, digital cinema, advertising and distribution - to quickly adopt MXF.



## XDCAM Compatibility

MOG Solutions combines a comprehensive support of the MXF standard with a substantial amount of development effort dedicated to the integration and interoperability with MXF devices, providing manufacturers and end-users with the best tools to take full advantage of SONY XDCAM/e-VTR and the new XDCAM HD.

MOG Solutions' MXF software is used by several key manufacturers to support XDCAM in their products. The development tools include specific code and documentation related to XDCAM support, enabling seamless and efficient integration. These are complemented by a set of software applications that bring the MXF technology advantages to the desktop, namely our new MXFPlayer and the awarded MXFExplorer and theScribe.

theScribe interfaces directly with XDCAM devices either through FTP or via i.LINK. Browsing, Playback, Metadata Editing and Partial Restore are supported for all XDCAM files, including MPEG and DVCAM, as well as MXF Proxies. theScribe also provides Hi-Resolution conforming of Sony XDCAM Proxy EDLs (PDZ-1 EDL import) and MXF Operational Pattern conversion, from multiplexed AV (OP1a) to separate video and audio files (OPAtom).

MOG Solutions' MXF products are a perfect match to XDCAM, allowing customers across all sectors of the industry to take advantage of networked workflows.

### Products supporting XDCAM:

**MXF Development tools:**  
MXF:SDK v3.0  
MXFComponentSuite v2.0

**MXF User applications:**  
theScribe v2.0  
MXFExplorer v3.0  
MXFPlayer v1.0

## theScribe

theScribe is a full-featured MXF editor that enables the creation, playback and manipulation of MXF files, including the annotation of metadata, synchronised with the audio-visual material and fully compliant with DMS-1 (SMPTE S380M).

theScribe features a comprehensive set of functions and wizards to create, cut and convert MXF files, and to export the results to an extensive range of devices and NLEs.

theScribe is also an extremely flexible MXF annotation application. With theScribe, Descriptive Metadata can be added to an MXF file, describing the clip, segments or events.

For further information visit [www.mog-solutions.com/mxf/products/theScribe/index.html](http://www.mog-solutions.com/mxf/products/theScribe/index.html)

## MOG Solutions

### Contact

Joana Maia  
Sales & Marketing

**Phone** +351 22 940 8224  
**Fax** +351 22 940 8201  
**e-mail** [sales@mog-solutions.com](mailto:sales@mog-solutions.com)  
**Website** [www.mog-solutions.com](http://www.mog-solutions.com)



Omneon is the leading provider of cost-effective and flexible networked media servers for broadcast. Media server solutions from Omneon enable broadcasters to migrate from analogue to digital, from tape to disk, from standard definition to high definition and from single to multi-channel operations. By combining its expertise in broadcast with the best practices of information technology, Omneon is able to provide an open and advanced architecture that minimises customers' upfront and ongoing expenses, while enabling them to capitalize on emerging opportunities.



## Omneon Spectrum Media Server

The Omneon Spectrum™ media server system is the broadcast industry's most scalable and reliable video server and storage. It is designed with Smart Scalability™ ensuring investment protection. Video I/O channels, storage, IP bandwidth, and redundancy are independently scalable so broadcasters can easily design servers in lock-step with their needs.

## XDCAM Compatibility

XDCAM is a great example of how the MXF standard is simplifying broadcast workflows. The Omneon Spectrum media server can transfer files to and from XDCAM equipment while maintaining pristine video and audio quality and with no loss of metadata. Files are moved at much faster than realtime and can be played to air without any file conversions.

The Omneon Spectrum system stores MXF files from XDCAM equipment natively in the file system. Doing so eliminates the need for translation software and gateway computers, which complicate workflows, and introduce translation errors and metadata loss.

The Omneon file system was designed from inception to support format independent storage and requires no changes in order to be able to support MXF functionality. Files which are ingested over IP as MXF files are simply stored on the file system like any other file. The Omneon Spectrum supports both IMX and DV25 video essence in MXF format from XDCAM equipment.

### Products supporting XDCAM:

IMX is currently supported on system software 4.2 or later. DV will be supported in a future release.

## Omneon Video Networks

### Contact

#### Headquarters

**Phone** +1 408 585 5000  
Europe/Middle East/Africa Office

**Phone** +44 1256 884 450  
Asia-Pacific Office

**Phone** +65 65 48 0500

Japan Office

**Phone** +81 03 5488 7425

**e-mail** sales@omneon.com

**Website** www.omneon.com



OmniBus Systems provides broadcasting, cable & satellite organisations with comprehensive automation and media content management solutions that address every area of television-related operations.

Its OPUS Content Management and Workflow suite, Colossus Automated Transmission suite, Broadcast Control suite and HeadLine Newsroom suite include ingest and recording of rich media material, low-resolution editing, media content management and playout. OmniBus is a global company with headquarters in the UK and US.



### TransXDCAM

Transfer Manager module (TransXDCAM) is OmniBus' integrated XDCAM media transfer solution within its OPUS Content Management suite. TransXDCAM enables: archival of media from disk servers to XDCAM optical disks; retrieval of proxy files from the XDCAM optical discs, allowing browsing of optical disk archive throughout the OmniBus system and restoring of media to disk servers.

### XDCAM Compatibility

The OPUS Content Management suite with TransXDCAM module will allow optical disks to be used as archive storage.

Integration between XDCAM and disk servers uses ftp for file transfer (both archive and restore).

Proxy media obtained from XDCAM is fully integrated into OmniBus browsing software such as OPUS.View

Proxy media is available on a central file server.

### Products supporting XDCAM:

OPUS Content Management Suite v1.1 general release due August 2005, with optional TransXDCAM module

### OmniBus Systems Limited

#### Contact

Phil Eade  
VP Channels and Marketing

**Phone** +44 (0) 8705 004300  
**Fax** +44 (0) 8705 004333  
**e-mail** phil.eade@omnibus.co.uk  
**Website** www.omnibus.tv



OpenCube Technologies, an award-winning IT/video lab based in Toulouse, France, is a pioneer in the field of video/network integration and at the cutting edge of the video digital revolution.

We have world-class expertise in MXF development, metadata management, media data interoperability and significant experience in putting these skills to use. We apply our know-how to developing the advanced applications the video industry requires to streamline production workflow and boost productivity.



### OpenCube's MXFTK<sup>®</sup> Toolbox

Set of powerful and cost-effective tools that enables you to efficiently manage XDCAM MXF files.

The package includes multiplatform SDK, easy-to-use graphical applications and a player for managing all types of MXF files and Stream.

### XDCAM Compatibility

MXFTK<sup>®</sup> is a comprehensive solution for managing XDCAM equipment and the MXF files they generate.

MXFTK<sup>®</sup> is widely used for monitoring MXF XDCAM files, editing metadata or extracting essence material. Its powerful tools allow you to generate XDCAM compatible files, along with the metadata required for easy storage on Optical Disc.

Additional functions facilitate the extraction of portions of content and generation of MXF XDCAM subclips.

The XFReader application plays back all MXF XDCAM files, whether in IMX or DVCAM full quality format or MPEG4 proxy.

MXFTK<sup>®</sup> has been adopted by manufacturers seeking to add MXF XDCAM capabilities to their products and by integrators who wish to improve their productivity when using MXF and metadata.

OpenCube's video/IT expertise and its innovative MXF solutions help you set up seamless production workflows, ensure genuine interoperability in MXF exchanges, and make the most of the MXF XDCAM technology.

#### Products supporting XDCAM:

MXFTK<sup>®</sup> v1.4 Toolbox

### OpenCube Technologies

#### Contact

Benoit Fevrier

**Phone** +33 (0) 561 285 606  
**Fax** +33 (0) 561 285 635  
**e-mail** [contact@opencubetech.com](mailto:contact@opencubetech.com)  
**Website** [www.opencubetech.com](http://www.opencubetech.com)



Quantel has been at the forefront of the use of digital technology as a creative tool for the last 30 years and has an enviable reputation as a pioneer in broadcast technologies. Alongside a thriving post production business, in the past handful of years it has been the major player behind the deployment of digital integrated news and live production systems around the world. Quantel's customer base stretches to all points of the compass and includes such high profile companies as the BBC, ESPN, TVNZ, ITN, Seven Network, and NRK, as well as a host of smaller local and regional broadcasters.



## sQ

The Quantel sQ system is a completely scalable, open and cost-effective method of tapeless production for news and sports programming. Its heart, the sQ server, provides a proven solution for HD, while unique Frame Magic™ technology gives 100% utilisation of storage and error-free media management. The ergonomic sQ editing interface meanwhile scales comfortably from simple viewing stations to fully featured craft editors.

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## XDCAM Compatibility

The Quantel editing and graphics systems all can access the XDCAM directory as stored on the XDCAM disk, directly view and select content, and utilise this within the edit session.

If the Quantel sQ or Newsbox server system is part of a system, XDCAM content may be ingested directly, and this becomes instantly available to all connected edit seats. All connection and communication is via the standard network interface.

The XDCAM integrates into the well accepted workflow offered by the Quantel edit seats and sQ/Newsbox server systems.

### Products supporting XDCAM\*:

sQ View, sQ Cut, sQ Edit, sQ Edit Plus, Paintbox, Paintbox gQ, sQ and Newsbox.

\* Using v2.1 or later application software.

## Quantel

### Contact

Norman Rouse  
Marketing Manager

**Phone** +44 (0) 1635 48222  
**Fax** +44 (0) 1635 37882  
**e-mail** [norman.rouse@quantel.com](mailto:norman.rouse@quantel.com)  
**Website** [www.quantel.com/products](http://www.quantel.com/products)



SeaChange International provides digital video systems that are changing television.

Its powerful server and software systems enable television operators to provide new on-demand services and to gain greater efficiencies in advertising and content delivery. With its Emmy-winning MediaCluster<sup>®</sup> technology, thousands of SeaChange systems are helping broadband, broadcast and satellite television companies to streamline operations, expand services and increase revenues. SeaChange is headquartered in Maynard, Massachusetts and has product development, support and sales offices throughout the world.

### SeaChange MediaClient Codecs

The SeaChange mcl-4012a is an IP-based codec for 525/59.94Hz and 625/50Hz television systems. It supports MPEG-2, DV25/50, and IMX/MXF coding up to 50Mb/s. It utilizes CIFS file access protocols to read and write media content to SeaChange's Broadcast MediaLibrary (BML). MediaClient IMX/MXF codecs are completely compatible with Sony's XDCAM and e-VTR supported IMX/MXF content.

### SeaChange MXF Gateway

The SeaChange MXF Gateway facilitates importing and exporting of IMX/MXF content between the Sony's XDCAM and e-VTRs and SeaChange's BML and export-only to SeaChange's Broadcast MediaCluster (BMC). The MXF Gateway transfers the high-resolution IMX/MXF clip and generates the required metadata.



## SeaChange

### Sales contacts

North America  
 Michael Hunsicker  
**Phone** +00 1 618 394 7322  
**e-mail** michaelh@schange.com

Europe, Middle East and Africa  
 Marcello Dellepiane  
**Phone** +39 01 05530177  
**e-mail** mdellep@schange.com

Latin America  
 Yefim Nivoro  
**Phone** +00 1 617 680 0680  
**e-mail** yefim@schange.com

Asia Pacific  
 Chris West  
**Phone** +00 1 978 889 3097  
**e-mail** chrisw@schange.com  
**Website** www.schange.com

## XDCAM Compatibility

The SeaChange MXF Gateway allows IMX/MXF content encoded by SeaChange's MediaClient Encoders to be recorded on the XDCAM and conversely content stored on the XDCAM to play on the MediaClient Decoders and the BMC.

The SeaChange MXF Gateway provides full interoperability with the Sony XDCAM. Customers owning SeaChange BML or BMC can quickly and efficiently transfer IMX/MXF content from a Sony XDCAM disc to their SeaChange servers with the appropriate metadata and without loss of image quality.

SeaChange customers can export IMX/MXF content produced by the SeaChange MediaClient and stored on a BML to a XDCAM disc. The export preserves the content's original file name on the XDCAM disc.

SeaChange customers can also export IMX/MXF content from a XDCAM disc to a SeaChange BML or BMC. The export can restore the content's original file name if preserved on the XDCAM disc. The export also produces metadata so that the content can be played or jogged/shuttled on SeaChange's MediaClient or BMC Standard Definition (SD) decoders.

XDCAM Proxy files can also be browsed by using the Sony PDZ-1 Proxy Browsing software on the MXF Gateway.

### Products supporting XDCAM:

mcl-4012a 1x2 SD Codec

MXF Gateway 1.0 (scheduled for 4Q2005 release)



Silicon Graphics Broadcast is a leading broadcast project systems integrator as well as manufacturer for the television broadcast market. Its solutions are focused on the convergence of base-band video and analogue based infrastructures and networks to data centric or IT-based technology.

Silicon Graphics Broadcast has implemented numerous award winning convergence projects in Europe, focused on broadcast news and sports programme production and automation, broadcast play-out consolidation & automation and archive integration.

Its solutions are well respected for their reliability, simplicity, power and delivery, are based on open, scalable and best-of-breed components and built by IT experts with deep broadcast understanding.



## XDCAM Compatibility

Transfer data, view video. XDCAM allows Silicon Graphics Broadcast to build solutions for broadcasters that are looking to create a broadcast workflow based on an IT infrastructure. Using XDCAM combined with IT components like SGI InfiniteStorage, ingest takes place many times faster than realtime, material can be truly shared without moving data, plus the material can stay in one digital file format until playout. All this with reliability and quality that every broadcaster demands.

SGI is actively involved in developing new and open standards that offer broadcasters ways to work in a more efficient way. In December 2004, SGI launched the Open Broadcast Initiative, which includes partnerships with many other Broadcast vendors, designed to deliver a more open system choice approach to broadcasters around the globe transitioning to digital IT infrastructures. SGI has been a strong supporter of the activities of the Pro-MPEG forum, which has been the chief architect of the Material eXchange Format (MXF). SGI is proud to be associated with the first ever MXF based project implementation: Fox Sports in Australia, for which the Premier Media Group was recognised by the Pro-MPEG forum at NAB 2004.

XDCAM Professional Disc together with the expertise and products of Silicon Graphics Broadcast makes it possible for broadcasters to significantly extend the benefits of implementing a digital production platform and transform a slow 'video-centric' workflow into an effective data-centric infrastructure.

## SGI® InfiniteStorage

SGI is the only provider of a full line of storage solutions designed specifically for today's broadcast customers. Enormous amounts of data may be shared by many without the need to make additional copies. SGI's InfiniteStorage solutions optimise data flow through the facility by providing true file sharing at production speeds with a choice of both Network Attached Storage (NAS) as well as SAN storage architectures. Broadcast material can be shared at 25 x real-time rates throughout the production chain. Two of the key elements of the InfiniteStorage solution are the SGI® InfiniteStorage SAN 2000, the SGI® InfiniteStorage SAN 3000 server storage area network and the SGI® CXFS™ clustered shared file system.

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## Silicon Graphics Broadcast

### Contact

**e-mail** [broadcast@sgi.com](mailto:broadcast@sgi.com)  
**Website** [www.sgi.com/industries/media/broadcast/](http://www.sgi.com/industries/media/broadcast/)



Softron is a private company that was founded in 1982 to address the computer needs of the broadcasting industry. Its activities range from systems integration to software development and marketing. Softron is focusing its products and services on the Mac (Apple) platform.

Its main office is located in Brussels, Belgium, at the heart of the European Union. It also has an office near Chicago, Illinois for the North American market. Its customers include various regional and local TV stations worldwide and famous Belgian broadcasters like RTL-TVI, RTBF and Liberty TV.



**MXFConverter**

"MXFConverter" is a software application for MacOS X that transfers, converts and prepares MXF files for use with Final Cut Pro 4 or 5. It supports DVCAM-based MXF files and offers many options not found in competing products such as: quick thumbnails for deciding which clips to import, simultaneous multiple imports from multiple decks, fast transfer/conversion speed (around 2.5x realtime), clip renaming etc... "MXFConverter" exists in two different versions: a network version that directly connects to the XDCAM deck through TCP/IP (Ethernet) and a file-based version that converts existing MXF files to QuickTime movies.

### XDCAM Compatibility

MXFConverter supports all XDCAM decks which have an Ethernet connection. Transfer speed will vary according to the deck's specifications. Currently tested decks are PDW-1500 and PDW-V1. Other decks should be supported but have not been tested yet.

### Softron Media Services

**Contact**

Daniel Tapie  
CEO/Sales

**Phone** +32 2 771 73 71  
**Fax** +32 2 706 52 66  
**e-mail** dtapie@softronmedia.com  
**Website** www.mxconverter.com  
 www.softronmedia.com

# SONY xpri™

Non-linear editing has already changed the face of video production, replacing tape-based editing with faster, more flexible file-based project handling.

While non-linear methods have transformed broadcast workflows, it's still the digitising process that slows down project turnaround times. With a typical shoot generating many hours of tape-based material, it can cost days of valuable facilities time just to ingest tapes into an NLE and mark up shots before the real business of editing can even start.

Now picture a production environment that gives immediate access to material acquired in the field. An environment where ingest and digitising is suddenly a non-issue. With the Sony XPRI range of

non-linear editors plus the XDCAM family of Professional Disc production tools, this vision has at last become a reality.

Developed over six years of intensive co-operation with professional broadcasters and programme makers, XPRI sets new standards for non-linear editing. Uniquely powerful, flexible, scalable and easy to use, XPRI delivers immaculate picture quality plus the reliability that you'd expect from Sony. Configured as a multi-format Standard Definition edit workstation or as a real-time High Definition finishing tool with state of the art 3D effects capabilities, XPRI delivers all the power you need to deliver better-looking results – faster and more cost effectively.



**Sony**

**Contact**

Nick Smith

**e-mail** [nick.a.smith@eu.sony.com](mailto:nick.a.smith@eu.sony.com)  
**Website** [www.sonybiz.net/xpri](http://www.sonybiz.net/xpri)

## XPRI and XDCAM – perfect partners

Its impressive long-form production capabilities and support for common standards make XPRI the perfect foil for Sony XDCAM. Since XPRI and XDCAM can share material in a common, file-based environment with full MXF file compatibility, high-resolution content and low-resolution proxies can be viewed directly within the same XPRI editing interface. Indeed, with an XDCAM deck attached to the same network, XPRI can be used to view – and edit – material from anywhere in the world.

During shooting, XDCAM automatically creates low-resolution proxies that can be viewed, logged or portions marked for ingest while still in the field. These proxy files plus EDL information can be uploaded to an XPRI editor much faster than real time via a standard network connection, allowing storyboarding and basic editing to start back at base. If you're really in a hurry, these low resolution proxies are even good enough for on-air use... and since file sizes are so small you can upload an hour's worth of proxies from a field XDCAM source to an XPRI editor back home in the time it takes to make a cup of coffee.

Better still, editing can start while other shots are still being downloaded to XPRI in the background. XPRI can even 'mix and match' high and low resolution content in any combination of formats – everything appears seamlessly on the same timeline for finishing with the extensive palette of XPRI editing tools.

At any point, XPRI can replace proxy files on the timeline with full-resolution online material. This is conducted as a background task, allowing you to continue editing whilst online material is ingested quicker than real time.

Whether you're producing news, current affairs, documentaries or entertainment, there's no quicker, more efficient way to bring great-looking stories to air. With XPRI and XDCAM, all your productions can benefit from The X Factor.

XPRI systems can share material over a Gigabit Ethernet network connection or via a dedicated SAN (Storage Area Network) subsystem.

A typical XPRI system can store over 600 hours of proxy material or 20 hours of MPEG IMX at 50 Mb/s.



SWE-DISH Satellite Systems is a world-leading supplier of mobile satellite communications equipment and related services for broadband applications. The company supplies major broadcasters, armed forces and disaster relief organisations with compact and quick-to-air satellite terminals for live transmission of video, data, internet and voice content from anywhere in the world.

The customer base includes broadcasters such as CNN and BBC, telecom companies such as British Telecom, Ericsson and Telia, disaster relief organisations and military organisations such as NATO, Danish Defense, the Swedish Defense Materiel Administration (FMV) and the US Department of Defense.



## SWE-DISH IPT Suitcase

The SWE-DISH IPT Suitcase is the world's most compact and quickest-to-air satellite terminal. The IPT Suitcase with its one-person operation and exceptional technical performance allows live 4 Mbps broadband transmission from virtually anywhere in the world. The IPT Suitcase is used for everything from ordinary satellite news gathering (SNG) to IP-over-satellite.

## XDCAM Compatibility

The SWE-DISH IPT Suitcase enables fast field-based transmission of DVCAM, MPEG IMX and MPEG-4 proxy files shot using XDCAM Professional Disc camcorders in file mode.

More than this, SWE-DISH + XDCAM enables sending of non-video based materials related to the footage, including Edit Decision Lists, metadata, or associated PC files such as still imagery and documents. This is carried out simply by linking camcorder to laptop (via the i.LINK connector in File Access Mode or Ethernet) and connection of laptop to SWE-DISH IPT Suitcase. Just select the files for transmission in Windows Explorer or an FTP browser, then drag it to the dish for transmission.

Transmission of information in this manner opens up exciting new possibilities in ENG. For example, field-based reporters can carry out their pre-edit and send an EDL with only the high resolution materials that are required. Proxy materials might be sent quickly to support this, enabling the recipient to request alternative high resolution materials for the final edit.

## SWE-DISH Satellite Systems AB

### Contact

Sofi Westerblom  
Marketing Manager

<b>Phone</b>	+46 (0) 8 728 50 62
<b>Fax</b>	+46 (0) 8 728 50 50
<b>Mobile</b>	+46 (0) 70 605 54 20
<b>e-mail</b>	sofi.westerblom@swe-dish.se
<b>Website</b>	www.swe-dish.se



Telestream products have set the standard with the world's leading media and entertainment companies for multiformat media encoding, organising, and delivery over IP networks. Customers rely on Telestream products to provide more convenient, cost-effective, and robust digital media workflows. Telestream products bridge format and platform gaps, enabling the exchange of digital media files between incompatible video systems. The company's encoding solutions, automation applications and smart media organisation solutions streamline workflows for broadcast and media companies, as well as content owners and creators.

Telestream products provide fully file-based workflows for exporting and ingesting content to and from XDCAM products.



## XDCAM Compatibility

The Flip4Mac MXF Import Component is a plug-in for Final Cut Pro that provides import only from XDCAM devices into Final Cut HD for DV editing. Support for Final Cut Pro 5 adds native IMX editing. Flip4Mac provides a direct, all-digital, file-based transfer solution between XDCAM Camcorder, PDW-1500 Compact Deck, and eVTR IMX MPEG Video Tape Recorder and Final Cut Pro realtime editing software. Users can browse XDCAM devices, import media, select single or multiple files and rename files. Flip4Mac MXF supports IMX 30, 40, 50 Mbps and DV25, 50, PAL and NTSC. File transfer is via 10/100/1000 base T Ethernet connection.

FlipFactory provides a digital bridge (import and export) between XDCAM devices and legacy equipment in broadcast and post production facilities. FlipFactory can take XDCAM MXF source files and flip them into virtually any proprietary format for automated, scalable ingest into leading editing systems, such as Avid and Apple Final Cut Pro, media servers from Grass Valley, Pinnacle, Omneon and more, as well as streaming formats for the Web or desktop review. Similarly, FlipFactory can take source files from legacy devices and transcode them into MXF for playback on any XDCAM system.

### Products supporting XDCAM:

- Flip4Mac MXF Import Component v1.0 and higher
- FlipFactory v3.1 and higher

## FlipFactory

Flip4Mac MXF Import component provides file-based import into Final Cut systems. This QuickTime component allows you to browse and pull content directly from XDCAM systems into Final Cut PowerBook or workstation. With Final Cut HD, you can edit DV content, while Final Cut v5 adds native IMX editing.

For broader, high-volume needs, FlipFactory provides automated, multiformat media transcoding and file-transfer between XDCAM devices and broadcast/VOD servers, production systems, and archives. Working in the background as a scalable, server-based, batch-transcoder, FlipFactory allows you to repurpose content for the Web, create low-res proxies for desktop review or high-res formats for archives and on-air servers.

## Telestream

### Contact

George Boath  
Sales Director  
Europe, Africa and Middle East

Phone +44 (0) 1280 821390  
Website [www.telestream.net](http://www.telestream.net)



For over a decade, professional broadcasters have relied on the cutting edge, IT-based technology from Video Technics Inc. for producing, manipulating, and managing multi-purpose media in a cost-effective workflow, using off-the-shelf components with non-proprietary file formats. Video Technics has consistently delivered the most feature-packed and affordable solutions to the broadcast industry. Video Technics' Apella™, Aprisa® and NewsFlow™ solutions streamline the entire production process from automated ingest, to edit, playout, and archive and feature automatic proxy creation, and unparalleled asset management.



## NewsFlow™ v3.0

NewsFlow is a proven IT-centric end-to-end tapeless digital newsroom solution. Tailored for your facility, NewsFlow offers robust multi-channel ingest/playout servers, central NAS/SAN storage with comprehensive asset management, low resolution proxy editors/browsers, and nearline/offline automatic archive solutions. Enhanced media security provides user profiles and storage quotas. The VT Adobe Plug-In, embedded within any Adobe Premiere Pro workstation, allows editors to browse and edit shared content, then export the revised media directly from the Adobe timeline which is ready for immediate playout on any Apella server. Getting content to air has never been this easy, fast, and affordable!

## XDCAM Compatibility

Video Technics provides native interoperability with Sony XDCAM using plug-in technology embedded in both Adobe Premiere Pro and the VT Proxy Editor™. Users connect directly to any XDCAM device on the network to browse and sort by ID, date, duration, and thumbnail picture. Both MPEG IMX and DVCAM media types can be imported. Files are automatically wrapped in either an AVI or MXF file container without transcoding which preserves the original file quality while transferring files much faster than real-time. Drag and Drop media directly into the Adobe Project Bin or import to a NewsFlow SAN or NAS for shared access and playout on any Apella video server channel.

### Products supporting XDCAM:

- Apella VCS v3.0 – September 2005
- Apella SDS v3.0 – September 2005
- Apella HDS v3.0 – September 2005
- VT Proxy Editor v4.0 – September 2005
- VT XDCAM Browser Plug-In for Adobe Premiere Pro v1.51 – September 2005

## Video Technics Inc.

### Contact

Andy Tuggle  
VP Sales and Marketing

**Phone** +1 (404) 327-8300 x308  
**Fax** +1 (404) 327-8831  
**Website** [www.videotechnics.com](http://www.videotechnics.com)

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