

XTAcess.

HARDWARE
SYSTEM



HARDWARE SYSTEM

Based on standard Ethernet LAN or WAN connections, XTAcess is EVS' gateway software built to facilitate media interchange between EVS' XT3 and XS production systems and third party tools (post-production, switchers, controllers, storage, archive, file based camcorders, automation, graphics, MAM, routers, etc.) with the highest level of security and efficiency.

In order to guarantee the highest level of integration of EVS systems, XTAcess handles a series of automatic media conforming operations such as on-the-fly transcoding, media rewrapping and playlist rendering offering smoother interchange of non-natively supported media. It is possible to automate some processes by exchanging XML jobs files or by scanning media files in folders.

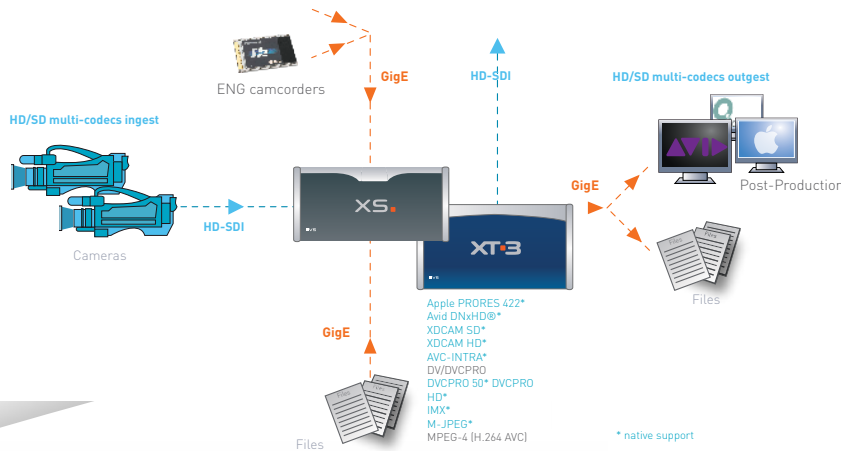
XTAcess software is delivered with EVS' production servers, XT3 and XS and runs on a PC or on a dedicated 1U EVS' hardware.

Xsquare.

XTAcess can be easily controlled by the new Xsquare product. Xsquare helps build a flexible architecture that can be easily monitored and controlled from a unique interface. It defines the commands of targets and all orchestration between tasks with load balancing: Xsquare will always find the less active XTAcess to send the jobs there.

FEATURES:

- Simple unique interface for target and engine configuration
- One central point to manage orchestration (loadbalancing) of all tasks
- One unique interface to monitor tasks
- Full multi-destination job support



THREE KEY FUNCTIONS OF TRANSCODING



MAIN CAPABILITIES

ON-THE-FLY TRANS-CODING OPERATIONS

XTAccess can provide three key functions of transcoding :

- **Backup only**

Taking a file or stream in a native EVS server codec (MJPEG, IMX, Avid DNxHD®, AVC-intra 100, DVCPRO 50, Apple ProRes 4:2:2, DVCPRO HD) and transferring it to another device in that format.

- **Transcode only**

XTAccess transcodes a file to another file type (other codec and/or wrapper). The source can be a clip on an XT3 or XS or a file on a storage device. The codec of the source file can be any type supported by EVS whether this is a native XT3/XS file or not.

- **Backup and Transcode**

This will backup and transcode to a file and in the same process transcode to another file. This must be from a codec type native to EVS and can only be controlled using an XML job and not from a scan folder.

MULTIDESTINATION

XTAccess is capable of reading data only once and sending it out in multiple forms : multi-format, multi-destination and/or multi-reference. For instance, this can be particularly interesting for web repurposing or workflows requiring simultaneous productions of Hi-res and Lo-res proxy.

RESTORE/COPY OF A FILE TO XT3/XS

XTAccess can transcode files to an EVS server native codec and restore it to the XT3 or XS server on a preferred location.

MULTI-VIDEO FORMAT CONVERSION

The following Video format conversions are supported in XTAccess

- SD PAL <-> HD 1080i50
- SD PAL <-> HD 720p50
- SD NTSC <-> HD 1080i59,94

SUPER MOTION SUPPORT

XTAccess allows the export of XT3 Super Motion to third-party devices. Clips can be played on a third-party viewer with frames in the right order (Avid Media Composer, Apple Final Cut Pro) via seamless on-the-fly transcoding.

PLAYLIST & TIME LINE MANAGEMENT

- Playlist/Timeline consolidation with effects (rendering to file or restore to XT)
- Playlist/Timeline export to Avid, Final Cut Pro & Adobe editing stations

AUTOMATED SCAN FOLDER

XTAccess manages scan folder operations allowing to restore or transcode files from a disk to an EVS server as well as encode graphic files or sequences from a disk to an XT3 or XS server. When a media becomes available in a chosen folder, it can be seamlessly exchanged between machines.

SUPPORT OF GROWING CLIPS/FILES

XTAccess handles growing clips created on the XT3 or XS and growing files for the following formats : EVS MXF, MXF OP1A, MXF OPAtom, QT Ref and MPEG-TS (Transport Stream). The following processes can be performed :

- Full and partial Backup of growing clips
- Full and partial Restore/Copy of growing files
- Full and Partial Send to Avid of Growing clips and files

EXTENDED CODEC SUPPORT

XTAccess supports an extensive variety of codecs (including several natively supported codecs) such as :

- ▶ **AVC-Intra 100 (native support)**
- ▶ **XDCAM SD (native support)**
- ▶ **XDCAM HD**
- ▶ **DV, DVCPRO**
- ▶ **DVCPRO 50 (native support)**
- ▶ **DVCPRO HD (native support)**
- ▶ **Avid DNxHD® (native support)**
- ▶ **Apple ProRes 4:2:2 (native support)**
- ▶ **MPEG-4 (H.264 AVC)**
- ▶ **IMX (native support)**
- ▶ **M-JPEG (native support)**

CUSTOMER SUPPORT & TRAINING

Our clients range from TV stations to video equipment rental companies and production houses worldwide. EVS' key priority is to make sure that its clients keep performing at the highest possible level. We listen to our customers, identify operating workflows, anticipate needs, and suggest effective and reliable solutions, so that they in turn can offer top-quality productions to millions of TV viewers across the globe.

CUSTOMER SUPPORT

EVS is dedicated to making sure its products are functioning in a way that meets your needs and expectations. We offer technical support 24/7 from each of our regional offices, so you can rest assured that someone will always be available to answer any question that may arise.

All members of EVS' technical support team are qualified technicians with a solid background in broadcasting. They understand your requirements and can provide you with the best solution available.

TRAINING

Do you want to learn how to operate EVS systems and applications or enhance your skills in using our tools?

EVS Training offers a series of courses on how to operate its products, taught in-house by industry professionals. Some of the training sessions are conducted by the EVS team via a Web interface, so that you get hands-on instruction even at a distance. EVS User Guides and technical documents are available free-of-charge on our Website.



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