

New Product Release – Package 10

XS System and Software

03 September 2009

Table of Content

1.1 INTRODUCTION.....	1
1.2 EVS SOFTWARE CONTROL	1
1.3 CONFIGURATION.....	2

1. Introduction

The new XS video production server is a 4 channel Server designed to provide a reliable and flexible transition to tapeless production in a studio environment. Enhancing the EVS loop recording technique, the new XS server is optimized for the recording of multiple audio and video feeds, as well as instant control and multi-channel playback operation. It could also be considered to add extra record channels to a larger installation.

The new XS server offers multiple SD and HD codec configurations with native codec support, such as IMX, Avid DNxHD® and Apple ProRes 422 for faster and easier media exchange with post-production systems. Files can easily be exchanged in any type of production workflow.



2. EVS Software Control

EVS offers a choice of software and protocols to control the XS server.

2.1. Insio

The new EVS software application, which is also a significant component of the new Silverline brand, Insio was designed specifically for TV series and pre-recorded studio shows. The combined XS-Insio solution is the best choice for pre-recorded TV programs, allowing producers to control all of the angles recorded on multiple cameras, manage camera reviews, create clips, and transfer material to various destinations such as post-production. For more Details on Insio follow this [link](#).



2.2. IPDirector

XS can also be controlled by EVS' production content management software that offers, in combination with the XS, a complete suite of applications for studio production including :

- Ingest control
- Browsing of content
- Media transfer to post-production
- Playback control





2.3. Integration with Linear & Hybrid Editors

XS is a full replacement for tape machines: players and edit recorder using the new EditRec protocol from EVS. It has the benefits of:

- Full compatibility with Sony Plug In Editor / BVEs / Editware / Abekas Axial
- Access to content stored on any EVS XS from the network

This gives the Instant disk access available when using the familiar XT server to tape workflow of linear editing but now replacing the Edit recorder tape deck as well.

A virtual black clip is made on the server and the Edit system sees this as a black and timecoded tape. Each edit is inserted onto this black clip seamlessly to emulate precisely the behaviour of a tape deck.

At each edit 'in' point a 'mark in' is made on the channel recording the vision mixer output. When the edit out point is reached a 'mark out' is made on the new clip and it is automatically added to a playlist.

As all the mixes, dme moves, keying, and audio mixes are done using external devices during the edit they are all contained inside the new clip. If the edit is not as required an eject command removes the new clip from the list instantly, as an undo command.

The Playlist is a cuts only list which can then be played from any channel on the Xnet[2] network.

As the edit produced is a clip list, clips can be inserted or deleted and with hybrid editors this can allow for Non-linear functions (Ripple / Insert) to be used.

3. Configuration.

The XS server has a choice of configurations to suit the production workflow:

- 4 reversible channels in either HD/SD or SD (HD ready) for flexible input/output configuration
- 4 inputs only HD/SD or SD (HD ready)

The unit comes in a 5RU rack with Standard control protocols (VDCP, AVSP, Odetics, Sony, IPDirector, EditRec) and multiple native codecs support in

- SD: IMX, MJPEG, DVCPPro50
- HD: Avid DNxHD®, Apple ProRes 422, MJPEG, MPEG2 i-frame, DVCPPro HD

There are 64 embedded tracks of audio available (up to 16 mono tracks per video channel) and the EVS Media sharing network connection XNet[2] SDTI and Gigabit Ethernet. The disks have RAID3 protection and there is a Redundant Power Supply Unit.

Using direct GigE media transfer from the XS production server gives up to 4x faster than real time file transfers in HD and more than 10x faster than real time file transfers in SD.

Video Quad Display: the XS server now offers the ability to display four SDI channels on the same display, eliminating the need for an external multi-viewer hardware.

For more Details on the XS video production server follow this [link](#)