

GX.

The EVS GX server is a 1U HD/SD fill and key play-out server designed to integrate with existing hardware present in today's broadcast control rooms and trucks. The GX Server offers instant recall and playback functionalities for a significant number of audio/video clips and graphics using standard protocols implemented in most modern mixing desks.

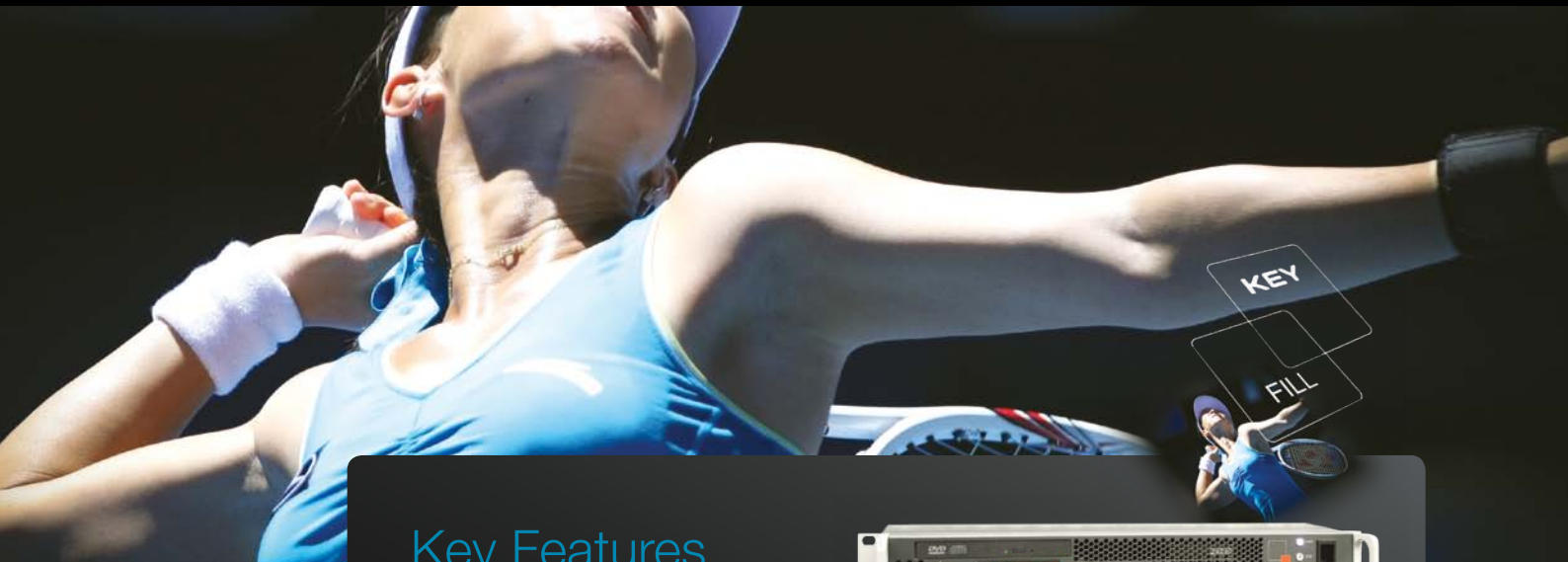
Different media formats can be imported from the built-in DVD drive, from an external USB or eSATA hard drive or from the network through the GigE ports of the GX Server.

The EVS GX server is also able to handle audio files which can either be embedded into the media file or associated with the files manually. Once associated the files can play once as a loop or in a nested loop.

To sustain the bandwidth required for uncompressed HD graphics, the GX Server uses a high performance internal RAID storage based on solid state technology, offering instant recall and large storage space for multiple clips, but also unmatched performance and reliability in a very compact chassis.

EVS has also paid special attention to the sturdiness of the GX Server, making it suitable for use in OB trucks, flypacks, or when frequent shipments are required.

Media import and system set up can be controlled easily from the user interface built into the server and accessible from any computer connected to the same network.



Key Features

- 1U HD/SD fill and key play-out server
 - HD: 1080i 50/59.94Hz; 720p 50/59.94Hz
 - SD: 625i 50Hz (PAL); 525i 59.94Hz (NTSC)
- Seamless integration with most popular switchers and controllers
- Instant recall and playback of video clips and graphics
- Imports most graphic file formats
- Combined high performance solid state storage for instant playout and high capacity disk for intermediate storage
- Uncompressed HD, graphics playout
- Video and audio can be independently played out once, as a loop or nested loop
- Ability to see and import the clips of the XT/XS series servers (end of 2011)



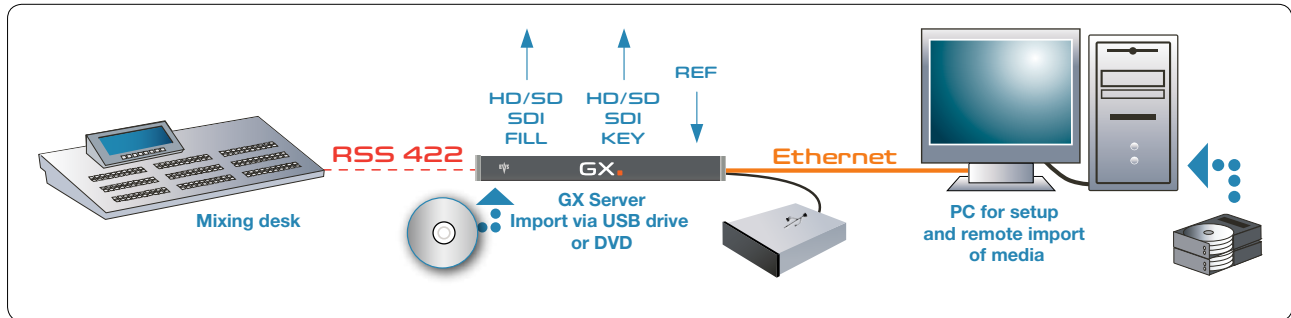
System Architecture

The GX Server is connected to the vision mixer via RS422 VDCP or Odetics protocols.

Graphic file can be imported directly on the GX Server by inserting a DVD disk into the built-in DVD drive or by connecting an external USB hard disk to the server or from any storage device available on Ethernet network.

Once the files have been imported into the system, they will be made wfor fast recall.

Files are imported on the GX Server and stored on the large capacity system disk, which acts as an intermediate storage bank. Selected clips are published to the switcher and stored on the hi-performance active video storage based on solid state technology.



Technical Specifications

Operating system	<ul style="list-style-type: none"> Windows 7
Chassis	<ul style="list-style-type: none"> 1U 19" rack with redundant power supply
Connectivity	<ul style="list-style-type: none"> 2x Gigabit Ethernet ports with jumbo frame support 1x USB + 1x eSATA in front; 2x USB on rear
CPU	<ul style="list-style-type: none"> Single QuadCore Intel i7
RAM	<ul style="list-style-type: none"> 3GB
Storage	<ul style="list-style-type: none"> 400GB for intermediate video storage 2 x 128GB solid state drive for active video storage (18 min of HD graphics) 1 x DVD drive
Video I/O	<ul style="list-style-type: none"> 2 x HD/SD SDI outputs (Key + Fill) with embedded audio 1 x Reference input (BB or Tri-level)

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