Speed & Reliability without Compromise

XT2+

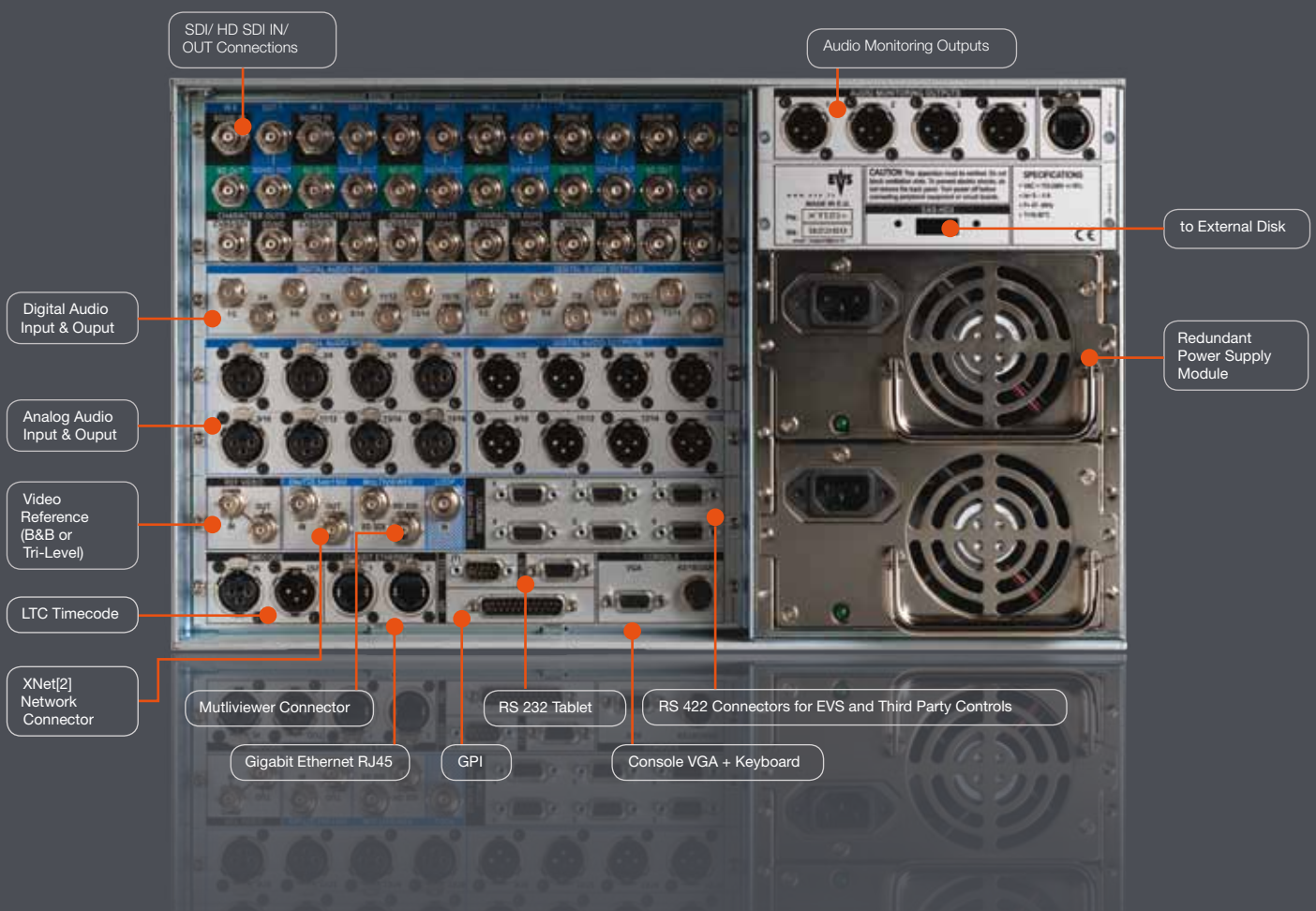
Production Server

The new XT[2]+ production server allows broadcasters to record, control, and play media easily, quickly, and intelligently. It inherits the qualities and main features of the field-proven XT[2], and is the ideal platform for all types of live and near-live productions, including instant replay, live slow motion and ultra motion replay, real-time editing, video delay, and playout.

The XT[2]+ offers “always on” loop recording and multi-channel ingest of audio and video content originating from any source. Due to the powerful networking capabilities of the new server, content is instantly available for live editing, playback, or transfer to third-party equipment, such as craft editors, automation, archiving, and storage .

The open architecture of the XT[2]+ also makes it easy to upgrade and expand your workflow in the future. The server natively supports multiple formats and codec configurations, providing transparent integration with any studio infrastructure. The XT[2]+ is also the first server to natively support Avid DNxHD®, Apple ProRes 422 and ProRes 422 HQ, and Panasonic DVCPRO HD codecs, with a clear upgrade path to AVC-Intra and 1080p support.

Because the XT[2]+ is designed and built in-house with EVS’ hardware and software, getting upgrades, maintenance, and support is as easy as picking up the phone.



Main Capabilities

Production Server

The XT[2]+ loop recording process allows non-stop multi-channel recording. The XT[2]+ is the key to your tapeless production workflow. With easily integrated hardware and software applications to streamline your production processes, the XT[2]+ fits in any environment. Multi-feed ingest and multi-camera recording, time delay, playout control, instant replay (live slow motion, super motion, and ultra motion replay), live editing, non-linear editing, storage, video transfer and repurposing – the XT[2]+ makes all this happen instantly.

Multi-Channel Ingest & Synchronized Playout

The XT[2]+ provides permanent multi-channel ingest of audio and video content from any source, including cameras, super motion cameras, satellite, craft editors, graphic tools, video recorders or video tape recorders. The XT[2]+ comes equipped with up to six recording channels and up to eight audio tracks available per video channel (and 16 audio channels in a 4-channel configuration). You can instantly retrieve any clip for live replays or transfer to post-production, while channel ingest synchronization based on TC allows you to control related content recorded on any other channel.

Due to its advanced networking capabilities, users can manage easily the number of ingest and playout channels they need by adding the XT[2]+ server to the production network.

In addition, the XT[2]+ platform offers flexible storage capacity with a scalable internal disk configuration and external disk array connections.

Reliable Hardware & Software Architecture

The XT[2]+ hardware and software were developed by highly skilled EVS engineers based on customer feedback to become the most reliable and field-proven live production solution available today. The XT[2]+ is designed with advanced security features, such as RAID technology, redundant and hot-swappable power supplies, as well as an external hot swap disk array to guarantee no operational failures during production.

Faulty disks are automatically replaced by pre-installed hot spare disks, without interrupting the server or degrading the bandwidth.

Flexible Configuration

The XT[2]+ system and its applications are adaptable to any production requirement. The XT[2]+ platform can be configured to play or record with 4 or 6 channels configurable in any IN/OUT mode. These channels are available in SD or HD. Switching between NTSC, PAL, 720p and 1080i is quick and easy. The XT[2]+ also fully and natively supports the most

Improvements between XT[2] and XT[2]+

- New SAS disk controllers with maximum throughput capabilities
- Boosted internal storage of up to 12 disks with compact 2.5” form factor
- Expandable storage with external 2RU arrays (up to 24 hot swap disks for a total of up to 84 disks)
- Increased storage capacity (up to 20 TB per server) (400 hours HD @ 100 Mbps or 800 hours SD @ IMX50)
- Extended bandwidth (30 % increase – from 11.5 HD streams in XT[2] to 15 in XT[2]+)
- Optimized for future codec support




Support from the manufacturer is one of the most important issues in a project of this nature. In this case, EVS has provided outstanding support in manufacturing, engineering, and on the spot link-ups.

JORDI PAÑELLA
General Manager at Unitecnic



popular SD and HD codecs, including IMX, MJPEG, MPEG-2 intra for HD, Avid DNxHD® codec, ProRes 422 and ProRes 422 HQ, DVCPRO 50 and DVCPRO HD. Extensive audio support, including Embedded, AES, Analog, and Dolby E, is also available through the XT[2]+.

As an option, XT[2]+ servers can be supplied with EVS' XTAccess software, which handles on-the-fly transcoding, re-wrapping, and media conforming. These steps are managed in a very transparent and automatic manner and allow a very smooth integration with all non native formats.

EVS Control

The XT[2]+ production server is complemented by a series of live and near-live software production tools offering broadcasters the most accurate solution to control and access their media. IPDirector and Multicam LSM give you complete control of the XT[2]+ server for ingest, slow motion replays, metadata management, production network control, on-the-fly editing, media transfer, and playout.

EVS also offers a series of archiving and storage hardware and software tools that gives you a range of flexible solutions according to your production needs.

Third-Party Control

The system can be fully controlled, by switcher and controllers, automation systems or edit controllers, for channels control and direct access to record/play channels. The XT[2]+ accepts the most popular control protocols, such as VDCP, Odetics, Sony BVW, and Thomson XtenDD-35. EVS proposes its own API for easy integration with third-party applications: AVSP for RS-422 integration and Lynx for TCP/IP integration.

Based on its open architecture platform, the XT[2]+ offers flawless integration with virtually any third-party tools and the most popular craft editors, including Avid Media Composer, Apple Final Cut Pro, Adobe Premiere, Quantel, etc. The XT[2]+ multiple media transfer process meets the most demanding post-production requirements, like feed streaming and the ability to play while recording. The server integrates easily with new Media Asset Management systems as well.

Media available on the XT[2]+ can be made immediately available on any new media entertainment devices through EVS' media repurposing tools or third-party systems, so you can deliver your production via the Web, PDAs, mobile phones, or any other device.


Main Capabilities

Network & Workflow

The XT[2]+ can be linked to two distinct networks:

- The EVS high bandwidth media sharing network called XNet[2], which allows all video and audio sources recorded on any server linked to the network to be instantly available to all operators without any interruption with the recording process. The XNet[2] is mainly used for critical transfers during live productions.
- The XT[2]+ also offers advanced gigabit Ethernet network capabilities, so that operators can browse and preview content stored on the server and transfer media files directly to third-party systems.

Scalability & Upgrades

Expanding the XT[2]+ production workflow to fit your production needs is swift and uncomplicated. EVS professionals are constantly available to help you decide how to improve your workflow. Whether you wish to add more I/O ports, or upgrade to HD from SD with multiple configurations. Distributed storage for massive online access and scalable near-line storage mean you never run out of capacity.

And it's always possible to add new servers to increase in/out channels, transfer capacities, bandwidth, etc.

Control at your Fingertips

LSM A standard controller known the world over

Present in nearly all OB production units in the world, this controller has become a standard for live control. Intuitive, fast, and complete; it brings the action at your fingertips by giving you all the possibilities: replay controls, speed variations, clipping, playlist, analysis tools, control of Super Motion and Hyper Motion cameras.

[IP] Director

IPDirector is a complete suite of production management applications that allows to easily ingest, log, manage, search, track, edit, create clips and highlights, browse, delay, control, and ultimately playout any video or audio content instantly. It runs on a Microsoft Windows® based workstation and offers a familiar graphical user interface.

MPlay The Multi-Playout Controller

MPlay is an intuitive remote control system that is used for the playout of clips, playlists and graphics. With this newly developed system, a single operator can control up to 4 channels simultaneously. MPlay is also designed for live productions, guaranteeing fast and efficient roll-out to air operations, including fill & key graphics and ganged clips. All MPlay functions are fully configurable with IPDirector software.

BEPlay Media Browsing, Reviewing, Playlist and Timeline Editing

Very robust and reliable, the BEPLay Remote is a totally configurable remote controller for reviewing or editing content. IPDirector compatible, with a comfortable jog wheel, BEPLay Remote offers you maximum control for fast turnaround productions.

Customer Support & Training

Instant Tapeless Technology

Our clients range from TV stations to video equipment rental companies and production houses worldwide. Keeping these clients operating at their highest possible levels is at the heart of everything we do at EVS. We listen to our clients, identify operating workflows, anticipate needs, and suggest effective and efficient solutions, so you can provide the highest quality productions to millions of TV viewers.

Customer Support

EVS is dedicated to making sure our products are functioning at their highest levels to suit your production needs. We offer regional technical support 24/7 from each of our offices, so you can rest assured that someone will be available to answer any questions that may arise.

All members of EVS' technical support staff are qualified technicians and have a strong background in broadcasting, ensuring that they fully 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 significantly enhance your operational skills on our tools?

EVS Training offers a series of operator courses on each of our products and taught in-house by industry professionals. Some training sessions are conducted by our professionals through an interface on the Web, so that you get hands-on instruction even when you're not at one of our training centers. All of our user's manuals and technical references are also available at our Website free of charge.

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To learn more about EVS go to **www.evs.tv**

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