

VBOX In/Out

Scalable multi-channel ingest and playback platform



Broadcast and Studio Ingest and Playback

EditShare's VBOX In/Out is a professional, multichannel, distributed video server designed to natively capture and playback SRT, NDI, SDI, and ST2110 baseband video streams as needed for sports, news, and production. Feature highlights include scheduled recording, metadata management, ganged recording, and shotbox compatibility. Flexible architecture permits dynamic allocation of ports and provides unlimited expandability. The intuitive UI offers an easy learning curve for non-expert operators to streamline production cycles.

Add More Channels Whenever Needed

Adding more video channels to a production is as easy as adding and powering on another server. The intuitive VBOX In/Out admin tools enable users to control multiple servers, including in redundancy mode, allowing a facility to add more channels to their studio quickly, efficiently, and simply.

Leading Codec and Wrapper Support

VBOX In/Out supports a very wide range of leading software codecs and industry standard wrappers such as QuickTime MOV and MXF to ensure broad interoperability and seamless workflows with third-party MAMs and many leading NLEs. For a full list of supported formats, please contact EditShare.

Models

VBOX In/Out comes in different models depending on the number of video ports, resolution, and input types. With multiple software

packages, VBOX In/Out is configurable as a 4 or 8 SDI or 4 NDI channels. 4K UHD support for SDI and IP streaming formats available on request.

Native Integration with EditShare EFS Storage and FLOW Asset Management

VBOX In/Out is tightly integrated into the EditShare storage and asset management ecosystem, mounting the shared storage using our robust and high performance EFS native filesystem drivers and recording and playing back feeds directly to/from EFS as well as optionally to/from local storage. VBOX In/Out also integrates directly with the FLOW asset management system, exchanging metadata and generating FLOW compliant proxy files in realtime. Assets and metadata are added automatically into shared FLOW projects, giving editors instant access to media content for playback and ingest.



Edit While Capture, Play While Record

Fast access to ingest and edit live feeds against growing clips, with proxy streaming on all inputs, including Edit While Capture (EWC) with Flow Story and leading NLEs.

The moment that recording starts, clips are available to play. Operators do not have to wait until the clip closes, enabling fast turnaround and rapid replay.

Fault-tolerant Operation

Our world-class solution is built on rock-solid foundations. In the event that a playback or record channel is interrupted, the failover option ensures that continuous playback or recording is unaffected.

Ganged Recording and Playback

For reality shows and scripted production, the In/Out UI allows operators to gang record inputs from multiple live camera feeds to be played as ganged outputs and helps operators to find the best combination of camera angles.



Server Models

Model	Product Name	Channel Configuration
VBOX-I/O-HD-LT-4	VBOX In/Out 4 Channel HD	4x HD-SDI Configurable Channels
VBOX-I/O-HD-LT-8	VBOX In/Out 8 Channel HD	8x HD-SDI Configurable Channels
VBOX-i/O-HD-IP-4	VBOX In/Out NDI	4x Compressed IP

Technical Specifications

Hardware Specifications

- 2 RU rackmount server
- Intel Xeon platform, multi-core CPU
- 64 GB RAM
- Mirrored 512 GB SSD OS drives, hot-swappable, rear-accessible
- Windows 10 Professional
- Dual Port 10GBASE-T Network Card¹

Additional Storage Available

- Select 16, 32, or 48 TB of raw storage²

Configure and Control

Channel Configurations

- 4 or 8 channels configured in any combination of inputs and outputs

Control Protocols

- VDCP, VTR machine control, and router control over IP (available external interface option for RS-422 to IP conversion)
- GPI for clip playback control (available external interface option)

Popular Broadcast Codecs Supported

VBOX supports a wide range of popular broadcast and production codecs and wrappers for ingest and playback.³

MXF OPIA

- SD: DVC Pro 25, DVC Pro 50, IMX 30/40/50
- HD: DVC Pro HD, DNxHD (up to xx[CR8]), XDCAM HD

MOV

- SD: DVC Pro 25, DVC Pro 50, H.264
- HD: H.264, Apple ProRes (up to HQ), Uncompressed 422 8/10-bit, MPEG-4 part 2, MPEG-2

MP4

- SD: IMX 30/40/50,
- SD/HD: MPEG-4 part 2, MPEG-2, H.264 MPEG Transport Stream / Program Stream

Supported Frame Rates/Input Formats⁴

SD Video Standards

- 525i29.97 NTSC, 625i25 PAL

HD Video Standards

- 720p50, 720p59.94,
- 1080p25, 1080p29.97, 1080p50, 1080p59.94
- 1080i25, 1080i29.97

IP Streaming Formats

- NDI, RTMP, UDP Multicast, DVB, SRT, RTP, RTSP, HTTP, HLS

¹ Other NIC options available

² All VBOX Servers with internal storage include RAID 6. Usable Storage is 75% of raw storage.

³ Complete list upon request

⁴ Some frame rate/raster support depends on chosen output codec.