

| System | |
|-------------------------------|---|
| Operating System | Windows Server 2008, 2012, Windows 7, 8, 8.1 |
| Form Factor (typical) | Commercial-Off-The-Shelf (COTS) server |
| Clustering/ Load Balancing | N servers working on same workload from common watched folder |

| Hardware | |
|-------------------------------|---|
| Server Hardware (recommended) | Industry standard server with a minimum of: <ul style="list-style-type: none"> • 500GB of RAID 1 combined on OS and Data drives • 1 x 4 Core Intel® Xeon® E5-2623 v3 CPU • 16 GB memory <p><i>Note: Hardware with specifications equivalent to the server above or better is required.</i></p> |

| | | Video Formats | | | | Audio Formats | | | | | | | Subtitles | | |
|--------|----------------|--------------------------|--------------------------|-----------------------|------------------------|--------------------|------------------|--------------------------|------------|--------------|--------------|------------|------------|------------------|---------------|
| Format | File Extension | 4:2:0 8 Bit MPEG-2 | 4:2:2 8 Bit MPEG-2 | 4:2:0 8 Bit AVC | 4:2:2 10 Bit AVC | MPEG-1 Layer II | Dolby Digital | Dolby Digital Plus | AAC- LC | HE- AACv1 | HE- AACv2 | PCM AES | DVB TTX | DVB Graphical | STL to TTX |

Supported Input Formats

| | | | | | | | | | | | | | | | |
|--------------------------------|-----------------|-----|-----|-----|---|-----|-------------------|-------------------|-----|-----|-----|-----|-----|-----|-----|
| MPEG PS | .mpg | Y | Y | Y | N | Y | Pass-thru only | Pass-thru only | N/A | N/A | N/A | N | N/A | N/A | N/A |
| MPEG TS | .ts | Y | Y | Y | N | Y | Pass-thru only | Pass-thru only | Y | Y | Y | Y | Y | Y | N/A |
| MP4 | .mp4 | N/A | N/A | Y | N | N/A | N/A | N/A | Y | Y | Y | N/A | N/A | N/A | N/A |
| Seachange | .saf or none | Y | Y | N/A | N | Y | N/A | N/A | N/A | N/A | N/A | N | Y | N | N/A |
| Media Exchange Format OP-1a | .mxf | Y | Y | N/A | N | N | Pass-thru only | Pass-thru only | N/A | N/A | N/A | Y | N/A | N/A | N/A |
| QuickTime | .mov | Y | Y | Y | N | Y | Pass-thru only | Pass-thru only | Y | Y | Y | Y | N/A | N/A | N/A |

Supported Output Formats

| | | | | | | | | | | | | | | | |
|---------|-----|---|---|---|---|---|---|--------|---|---|---|---|---|---|---|
| MPEG TS | .ts | Y | Y | Y | N | Y | Y | Option | Y | Y | Y | Y | Y | Y | Y |
|---------|-----|---|---|---|---|---|---|--------|---|---|---|---|---|---|---|

Profile matching with InStream Convert

TV looks better with InStream

InStream Convert is an intelligent conversion utility that produces digital MPEG video content ready for inserting directly into compressed MPEG broadcast streams by InStream Splice.

InStream Convert analyses each file dropped into its watched folder to determine the processing steps required, supporting SD to/from HD conversions, MPEG-2 to/from AVC/H.264 and HEVC conversions, and audio format conversions. The material is converted maintaining the original frames, removing the need for a secondary review step in the capture process.

InStream Convert removes the need to manually create assets for each format during ingestion and validation. The ability to deliver the same content to different definition platforms streamlines the workflow of the broadcaster as they only need to capture content in a single appropriate profile.

Features of InStream Convert

- Supports SD/HD/UltraHD up and down conversion
- Bit rate and profile adaptation
- Audio format conversion
- Push or pull file transfer
- Achieves higher quality, faster than real-time file conversion for mass file conversion tasks

Record

InStream
Flux

Create

InStream
Edit

Burn

InFuze

Delay

Time
Shift

Comply

Audio
Control
Engine

Automate

InStream
Play

Insert

InStream
Splice

Mediaware

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