

BLTASI FLEX VIDEO TRANSCODER

BRIDGE LEGACY ASI TO MODEM IP NETWORKS
EASILY AND AFFORDABLY



- ✓ 12x ASI input ports; pass through or demux to UDP Multicast MPTS/SPTS
- ✓ Stream from ASI to IP, with & without demultiplexing
- ✓ Maximize flexibility with optional video transcoding processors that you can flex license at any time
- ✓ Strip null padding, Jitter correction, PID & program remap & filter
- ✓ Optional High-Density audio transcoding: Dolby Digital 5.1, AAC & MPEG Audio
- ✓ Low energy footprint, less than 120W per chassis

- ✓ Beautiful, professional grade video delivery with proven set top compatibility
- ✓ Quality WISI engineering & support team ensures reliable operation with maximum uptime
- ✓ Add optional Flex transcode licenses to adapt resolutions, bitrates and codecs to your network



BLTASI Flex Video Transcoder



Typical Applications

- ✓ Bridge high bitrate multi-program legacy ASI equipment to IP with options for demultiplexing, program extraction and remapping of groomed output streams suitable for use in your IP video network
- ✓ Ensure seamless compatibility with existing systems and save time with remapping and filtering for programs and PIDs
- ✓ Optimize bandwidth by demuxing, stripping excess ASI padding, and grooming into MPTS and SPTS for IP delivery
- ✓ Maximize your investment after ASI is removed from the network by providing IP to IP support with optional transcode processors
- ✓ Feed legacy infrastructure by transcoding MPEG-4 AVC sources to MPEG-2 outputs and vice versa
- ✓ Downconvert HD-only sources to create high-quality SD copies
- ✓ Convert unpredictable variable bitrate streams (VBR) to constant bitrate (CBR)



BLTASI Flex Video Transcoder

Bridge legacy ASI to modern IP networks easily and affordably

Technical Specifications

Stream from ASI to IP or Demultiplex	
Video/Audio Input	12x ASI Fixed Input Ports Up to 108 Mbps per port 32x IP Sources for optional Flex transcode licenses
Video/Audio Output	Up to 44x UDP IP Multicast/Unicast ASI pass through or demux to MPTS/SPTS Optional transcode to SPTS
Demux from ASI Inputs	Demux one or more programs from input MPTS and stream to SPTS IP multicast via GigE or stream entire MPTS, with or without padding

Optional Flex License to Transcode, Transrate, or Downscale (Up to 4x licenses per BLTASI - purchased separately per processor)	
ASI or IP Sources	Transcoded Outputs
MPEG-2/MPEG-4 AVC	MPEG-4 AVC
4x HD/SD	HD/SD MPEG-4 AVC outputs, including downscale
8x SD	SD MPEG-4 AVC outputs
MPEG-2/MPEG-4 AVC	MPEG-2
2x HD/SD	HD/SD MPEG-2 outputs, including downscale
4x SD	SD MPEG-2 outputs

- User-selectable configuration options can be changed in the user interface at any time
- One configuration option above can be selected per licensed transcode processor

Transport Stream Processing	
Inputs , Multicast / Unicast UDP IP	Transport Stream, SPTS or MPTS
Outputs , Multicast / Unicast UDP IP	Transport Stream, SPTS or MPTS (ASI) passthrough
Input and Output Video Codecs	MPEG-2 and MPEG-4 AVC, 4:2:0
Resolutions and Frame Rates	1080i30, 720p60, 480i30 and other major broadcast formats
Transport Stream Optimizations	PID and program filter and remap, jitter correction, strip null padding

Management & Connectivity	
Configuration	Web-based user interface
Management Network Interface	1000 Base-T
Video Network Interfaces	2 x 1000 Base-T

Audio & Multi-lingual Support	
Audio PID Pass-Through	Up to 10 per program
Closed Captions	EIA 608/708 passed through if present in source
SCTE 35 Ad Markers	Passed through if present in source
Dolby AC3	Passed through if present in source

Optional Audio Transcode License (must be purchased per stream)	
Source Codecs	Dolby EAC-3, AAC (ADTS & LATM), MPGA
Source Channels	7.1, 5.1, 2.0, 1.0
Output Codecs	AAC (ADTS & LATM), MPGA
Output Channels	2.0, 1.0

Power	
Type	Single
Input	100 ~ 240 VAC @ 50 - 60 Hz
Power	<120 W Typical

Physical	
Mounting	19" Rack, 1 RU
Dimensions	431 x 44 x 468 mm / 19" x 1.75" x 18.4"
Weight	7 kg / 15.4 lb
Operating Temp	0 ~ 40 C

Regulatory Compliance	
EMC Standards	FCC Part 15 Class A
Safety Standards	CSA/UL 60950-1

Ordering Part Numbers	
BLTASI	Base unit for ASI to IP streaming, demux Includes 4x unlicensed transcode processors
VBE-XCA-FLEX-LIC	Flex Transcode Activation License (1x per transcode processor)

We're here to help. Blueline technical support available via phone or email, 9-5pm Pacific, Monday-Friday excluding holidays.