

BLUELINE

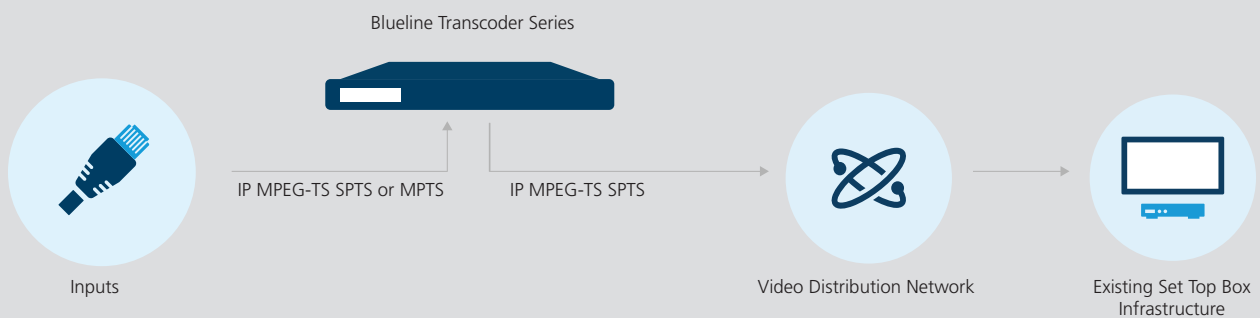
TRANSCODER SERIES



High-quality, cost-effective HD & SD IP video transcoding & transrating

- ✓ Affordable MPEG-2/MPEG-4 AVC IP transcoding in 1RU
- ✓ Award-winning hardware transcoding engine, validated against thousands of broadcast streams worldwide
- ✓ HD models for 12, 8 or 4 programs or SD models for 24, 16 or 8
- ✓ Dedicated video processors provide consistent density and performance, unlike software transcoders
- ✓ Automated handling and recovery of "challenging" video sources and impaired broadcast signals
- ✓ DVB Subtitle burn-in & multi-lingual audio PID pass through
- ✓ Optional High-Density audio transcoding: Dolby Digital 5.1, AAC and MPEG Audio
- ✓ Low energy footprint, less than 120W per chassis

- ✓ Beautiful, professional grade video transcoding with proven set top compatibility
- ✓ Excellent combination of price, performance and predictable density
- ✓ Quality WISI engineering & support team ensures reliable operation with maximum uptime



Deployment Scenarios

- ✓ Launch new HD & SD programs in cable and IPTV headends
- ✓ Reduce business risk by replacing end-of-life transcoder products
- ✓ Use as cost-effective spares for in-house or other existing transcoders
- ✓ Transcode streams from remote reception sites and studios
- ✓ Ensure reliable service for your customers by keeping affordable backup transcoding capacity on hand
- ✓ Generate new revenue and transcode streams to MPEG-2 for hospitality QAM applications

Typical Applications

- ✓ Maintain compatibility with existing infrastructure by transcoding IP MPEG-4 AVC sources to IP MPEG-2 outputs
- ✓ Enable efficient IP video distribution over DSL and cable networks by transcoding high bitrate MPEG-2 or MPEG-4 AVC sources to optimized MPEG-4 AVC outputs
- ✓ Create high-quality SD copies from HD-only sources
- ✓ Control your channel capacity by converting unpredictable variable bitrate (VBR) streams to predictable constant bitrate (CBR) streams
- ✓ Produce affordable picture in picture (PIP) video streams for use with Ericsson Mediaroom™ Platform

Blueline Transcoder Series

High-quality, cost-effective HD & SD IP video transcoding & transrating



Technical Specifications

Input MPEG-2/MPEG-4 AVC	GIBLT 200 Series MPEG-2 Output	GIBLT 400 Series MPEG-4 AVC Output
HD Models for HD→HD, HD→SD or HD→PIP		
Up to 12 HD inputs	GIBLT212H	GIBLT412H
Up to 8 HD inputs	GIBLT208H	GIBLT408H
Up to 4 HD inputs	GIBLT204H	GIBLT404H
SD Models for SD→SD or SD→PIP		
Up to 24 SD inputs	GIBLT224S	GIBLT424S
Up to 16 SD inputs	GIBLT216S	GIBLT416S
Up to 8 SD inputs	GIBLT208S	GIBLT408S

Transport Stream Processing	GIBLT 200 & 400 Series
Inputs , IP Multicast/Unicast UDP	MPEG2-Transport Stream SPTS or Demultiplex from MPTS
Outputs , IP Multicast/Unicast UDP	MPEG2-Transport Stream SPTS
Resolutions and Frame Rates	1080i25, 720p50, 576i25, and other major broadcast formats
Input Video Payload	MPEG2/MPEG-4 AVC (H.264)
Output Video Payload	200 Series: MPEG-2 400 Series: MPEG-4 AVC (H.264)
Transport Stream Optimizations	PID and Program Filter and Remap, Jitter Correction, Strip Null Padding

Management & Connectivity	GIBLT 200 & 400 Series
Configuration	Web-based user interface
Management	1000 Base-T
Video	2 x 1000 Base-T

Regulatory Compliance	GIBLT 200 & 400 Series
EMC Standards	EN 50083-2:2012 / FCC Part 15 Class A
Safety Standards	EN 60065:2014 / CSA/UL 60950-1

Audio & Multi-lingual Support	
Audio PID Pass-Through	Up to 10 per program
DVB Subtitle Burn-in	Supported in all models
DVB Subtitle PID	Passed through if present in source, can be filtered out
SCTE 35 Ad Markers	Passed through if present in source
Data PIDs	Passed through if present in source, can be filtered out

Optional Audio Transcode License (must be purchased per stream)	
Source Codecs	Dolby AC-3 or EAC-3, AAC (ADTS & LATM), MPEG Audio
Source Channels	7.1, 5.1, 2.0, 1.0
Output Codecs	AAC (ADTS & LATM), MPEG Audio, Dolby AC-3 (Additional audio transcoding license required)
Output Channels	2.0, 1.0
Max Capacity	Up to 72 audio pairs per chassis Up to 3 audio pairs per video

Power	GIBLT 200 & 400 Series
Type	Single Universal Unit
Input	100 ~ 240 VAC @ 50 - 60 Hz
Power	<120 W Typical

Physical	GIBLT208H, GIBLT212H, GIBLT216S & GIBLT224S	All Other Models
Mounting	19" Rack, 1 RU	19" Rack, 1 RU
Dimensions	430 x 45 x 470 mm 19" x 1.77" x 18.5"	438 x 45 x 415 mm 19" x 1.77" x 16.3"
Weight	7 kg / 15.4 lb	6 kg / 13.2 lb
Operating Temp	0 ~ 40 C	0 ~ 40 C

For more information, please contact your preferred WISI reseller:

