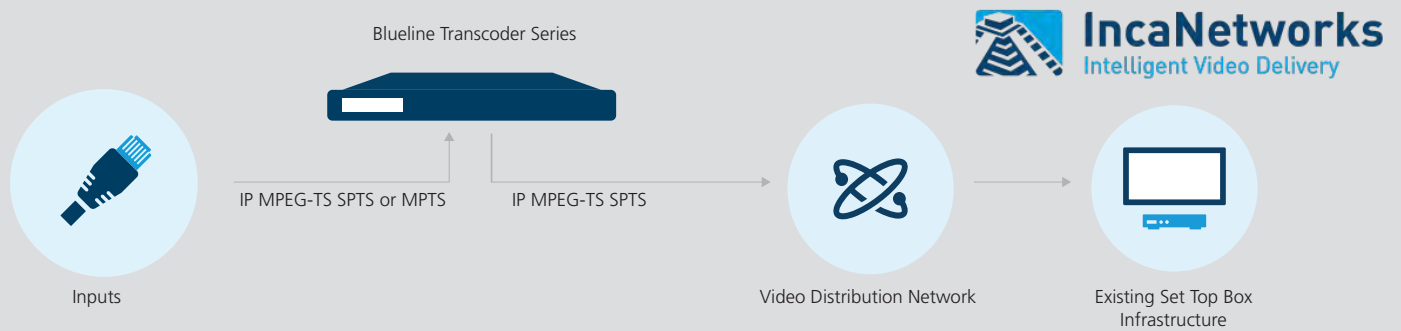




HIGH-QUALITY, COST-EFFECTIVE HD & SD IP VIDEO TRANSCODING & TRANSRATING

- ✓ 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 and 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
- ✓ Closed captioning and SCTE35 marker 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	BLT 200 Series MPEG-2 Output	BLT 400 Series MPEG-4 AVC Output
HD Models for HD→HD, HD→SD or HD→PIP		
Up to 12 HD inputs	BLT 212 HD	BLT 412 HD
Up to 8 HD inputs	BLT 208 HD	BLT 408 HD
Up to 4 HD inputs	BLT 204 HD	BLT 404 HD
SD Models for SD→SD or SD→PIP		
Up to 24 SD inputs	BLT 224 SD	BLT 424 SD
Up to 16 SD inputs	BLT 216 SD	BLT 416 SD
Up to 8 SD inputs	BLT 208 SD	BLT 408 SD

Transport Stream Processing	BLT 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	1080i30, 720p60, 480i30, 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	BLT 200 & 400 Series
Configuration	Web-based user interface
Management	1000 Base-T
Video	2 x 1000 Base-T

Blueline technical support available via phone or email, 9-5pm Pacific, Monday-Friday excluding holidays.

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

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
Output Channels	2.0, 1.0

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

Physical	BLT 208HD, 212HD, 216SD & 224SD	All Other Models
Mounting	19" Rack, 1 RU	19" Rack, 1 RU
Dimensions	431 x 44 x 468 mm 19" x 1.75" x 18.4"	438 x 44 x 415 mm 19" x 1.75" x 16"
Weight	7 kg / 15.4 lb	4 kg / 8.8 lb
Operating Temp	0 ~ 40 C	0 ~ 40 C

Regulatory Compliance	BLT 200 & 400 Series
EMC Standards	FCC Part 15 Class A
Safety Standards	CSA/UL 60950-1

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