

BLUELINE

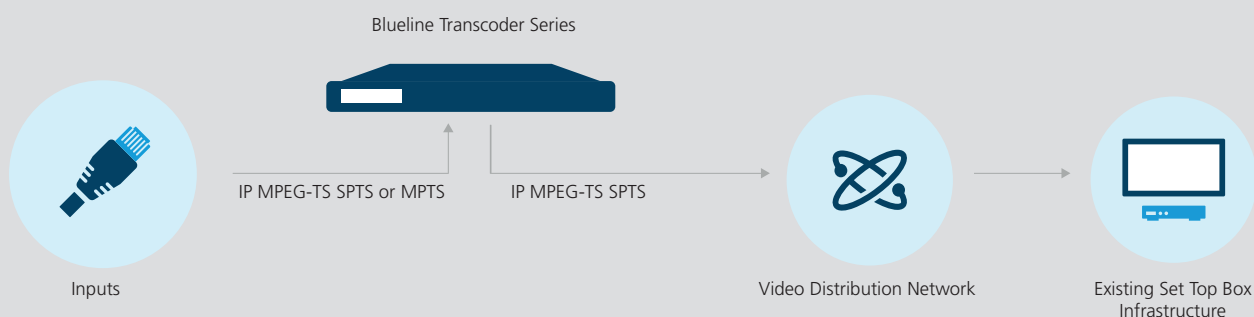
TRANSCODER SERIES



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

| Available HD and SD Models | | |
|----------------------------|-----------------------------------|---------------------------------------|
| Input MPEG-2/MPEG-4 AVC | GIBLT 200 Series MPEG-2 Output | GIBLT 400 Series MPEG-4 AVC Output |
| H Models | | |
| Up to 12 HD inputs | GIBLT 212 H | GIBLT 412 H |
| Up to 8 HD inputs | GIBLT 208 H | GIBLT 408 H |
| Up to 4 HD inputs | GIBLT 204 H | GIBLT 404 H |
| S Models | | |
| Up to 24 SD inputs | GIBLT 224 S | GIBLT 424 S |
| Up to 16 SD inputs | GIBLT 216 S | GIBLT 416 S |
| Up to 8 SD inputs | GIBLT 208 S | GIBLT 408 S |

Note:

GIBLT H models can transcode HD → HD or HD → SD or SD → SD or HD → PIP
GIBLT S models can transcode SD → SD or SD → PIP

| 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 |

| 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 |
| Output Channels | 2.0, 1.0 |

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

| Physical | GIBLT 208H, 212H, 216S & 224S | 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 | GIBLT 200 & 400 Series |
|-------------------------|---------------------------------------|
| EMC Standards | EN 50083-2:2012 / FCC Part 15 Class A |
| Safety Standards | EN 60065:2014 / CSA/UL 60950-1 |

For more information, please contact your preferred WISI representative:



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