



IP TRANSCODER

# BTR-6000

Our Transcoder has got a new re-design with more powerful hard- and Software in 20

- 4K/UHD
- H.265/HEVC
- H.264/AVC
- MPEG-2
- HDMI
- SDI
- IP / Ethernet
- RTMP

Model designation as per manufacturer reference

## Overview

The VIZOBOX BTR-6000 is an IP-to-IP transcoder that converts and adapts live streams between codecs and protocols for flexible content delivery.

## Key Features & Applications

- ✓ Our Transcoder has got a new re-design with more powerful hard- and Software in 2023
- ✓ Audio compliant with MPEG-1 Layer II Audio, MPEG-4, AAC Headend Technology
- ✓ Resolution from 96x96 to 4096x2160 Broadcast grade, high
- ✓ H.265/HEVC support 4Kx1 / 1080Px8 / 720Px16 / SDx32
- ✓ up to 1x4K(2160P 60) / 2x4K(2160p30) / 8xHD(1080p30) bitrates by keeping format
- ✓ Now: MPEG2 support BTR-6000 can process
- ✓ Rolling subtitle insert on the high-performance
- ✓ Multi-audio transcoding and pass through designed specifically for
- ✓ PSI/SI edition and PID passthrough HEVC/H.265 low bit rate
- ✓ Support 1+N output stream backup feature
- ✓ Video compliant compliant with h.265/HEVC Baseline, Main transcoding, AC3 passthrough or encoding to stereo-lipsync
- ✓ Bitrate from 200 kbps to 20 Mbps
- ✓ up to 16xHD(1080p30)/32xSD(576p25) H.264/AVC transcoding (Ex.: 30 HD to HD reducing
- ✓ /32xSD(576p25) H.265/HEVC transcoding
- ✓ Support local video transcoding and delivery SD/HD efficiently based
- ✓ Logo and Text insertion processing chip, is
- ✓ PCR self-correcting IPTV systems with
- ✓ Up to 200 MPTS/SPTS output, 100 Mbps for each
- ✓ Remote control by Web-Interface converted to a low bit

## Technical Specifications

INPUT	
•	Interface: 3...4x 1000M/100M/10M RJ45, Full Duplex
•	TS/IP Input Bit Rate: 800Mbps per RJ45
•	Data Protocol: UDP, ICMP, IGMP V1, V2, V3, RTP, HTTP, RTSP, FTP, RTMP, HLS (HTTP Live Streaming)
•	Transcoder source: IP inputs, Local files
•	IP Protocol: Unicast, Multicast
•	USB – file insertion and playback – streaming for Info-channels INPUT VIDEO/AUDIO FORMAT
•	Video: H.265/HEVC, H.264/AVC, MPEG-2, MPEG-4
•	Audio: MPEG-1L2, MPEG-4, AAC, ... EAC3, DD+ passthrough possible
•	Optional HDMI and/or SDI input modules (future releases) RE-MULTIPLEX
•	Input: SPTS / MPTS
•	Null package process: Null packet pass through, insert and filtering

•	TS Editing: Service editing, PSI/SI editing, PID pass through / remapping, PCR auto-correction
•	Maximum bitrate: 100Mbps each
•	Maximum TS count: 200 input TS Streams + 200 output TS Streams (with transcoder function disable)
<b>OUTPUT</b>	
•	Interface: 3...4x 1000M/100M/10M RJ45, Full Duplex
•	TS/IP Input Bit Rate: 800Mbps per RJ4
•	Data Protocol: UDP, RTMP, HLS, FTP, RTP (for MUX only)
•	IP addressing: Unicast, Multicast
•	Type: IP Streaming, DVB conform remuxed streams VIDEO/AUDIO FORMAT FOR ENCODING
•	Video Format: HEVC (h.265) h.264, MPEG2
•	Audio Format: MPEG-1 Layer 2, MPEG-2 AAC, MPEG-4 AAC
•	Package Format: MPEG-TS
•	Bitrate Control: VBR, CBR
•	Video resolution: 4096x2160, 3840x2160, 2560x1440, 1920x1080, 1280x720, 720x576, 720x480, 704x576, 704x288, 640x480, 544x576, 544x480, 480x576, 480x320, 480x270, 360x320, 352x576, 352x288, 320x240, 320x200, 240x160, 192x192, 192x128, 176x144, 128x96, 96x96, ...
•	Video Aspect Ratio: Auto, 4:3, 16:9
•	Video frame rate: Auto, 30 fps, 29.97 fps, 25 fps, 24 fps, 23.97 fps
•	Video bitrate: 200 kbps ~ 20 Mbps
•	Audio sampling rate: 32 kHz, 44.1 kHz, 48 kHz
•	Audio bit rate: 32 kbps, 64 kbps, 96 kbps, 128 kbps, 192 kbps, 256 kbps, 384 kbps CONTROL & MONITORING
•	Interface: 1x RJ45, 1000M/100M
•	Protocol: HTTP Web GUI
<b>GENERAL</b>	
•	Dimensions: 430 mm x 335 mm x 44 mm, 19" 1RU
•	Approx weight: 8,7 kg
•	Power: AC 110V...240V, 6A, 47...63 Hz
•	Power consumption: 350W max.
•	Temperature: 5...45 °C (operation), -10...65 °C (storage)



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