



CLEARVIEW HEVC

24 PROGRAM PROFESSIONAL HEVC TRANSCODER



KEY FEATURES

- » Transcodes HEVC/H.265 input to AVC/H.264, MPEG-2 or HEVC output, up to 24 HD or SD programs
- » Resolutions from 480i SD up to 1080p30 HD, IP input to IP output
- » Professional Dolby® Digital Audio transcode capable
- » Multicast IGMP v2/v3 Input and Output Support
- » Compatible with a range of Satellite IRD products or IP networks for input
- » Compatible with Blonder Tongue Labs' NXG IP Video Processing Platform for bulk transcode applications

PRODUCT OVERVIEW

The **Clearview HEVC** is a professional grade video and audio transcoder supporting up to 24 HD or SD programs from HEVC/H.265 sources and transcoding to either AVC/MPEG-4 or MPEG-2 output, in a 1RU form factor. Data throughput is 1Gbps. The Clearview HEVC accepts HEVC/H.265 IP-based single program transport streams (SPTS) and re-encodes the video content to SD or HD resolution AVC/MPEG-4 or MPEG-2 SPTS for IP Unicast or Multicast delivery. The Clearview HEVC supports transcoding Dolby audio into a range of supported formats including AAC, AC3, MP3 and others.

ORDERING INFORMATION



MODEL	STOCK#	DESCRIPTION
Clearview HEVC	6553	HEVC Transcoder; 24 Program

INPUT	
Connector	1x Bi-directional Front Panel RJ45 (IP Video Port, Input/Output)
Standard	1000Base-T (GbE)
Protocols Supported	UDP

STREAM PROTOCOLS	
Standard	ISO / IEC 13818-1 Systems
TS Packet Length	188 bytes
Sync Byte	0x47
# of TS Supported	24 SPTS
Video Format	H.265 (HEVC)
Video Resolutions	480i (60 FPS); 480p (30/60 FPS); 720p (30/60 FPS); 1080i (30 FPS); 1080p (30 FPS) Note: 29.97 & 59.94 FPS are supported
Closed Captioning	EIA-608 / EIA-708
Addressing	Unicast, Multicast

AUDIO	
Input Formats	Dolby® AC3, AAC, MP3, MPEG1-Layer2 (Pass-through/Decode only)
SAP	Supported
Rates	64, 96, 112, 128, 160, 192, 224, 256, 320, and 384 Kbps

GENERAL	
Dimensions (W x H x D)	19.0 x 1.75 x 19.2 in (483 x 45 x 488 mm)
Weight	9.5 lbs (4.31 kg)
Power	110/230 VAC, 0.9/0.45 A, 60/50 Hz
Power Consumption	64 W
Operating Temp.	32 to 122 °F (0 to 50 °C)
Storage Temp.	-13 to 158 °F (-25 to 70 °C)
Operating Humidity	0 to 95% RH @ 35 °C max, non-condensing

OUTPUT	
Connector	1x Bi-directional Front Panel RJ45 (IP Video Port, Input/Output)
Standard	1000Base-T (GbE)
Protocols Supported	UDP

STREAM PROTOCOLS	
Standard	ISO/IEC 13818-1 Systems
TS Packet Length	188 bytes
Sync Byte	0x47
Bit Rate	CBR/Capped VBR (encoding)
Video Rate	2 to 19 Mbps (0.1 Mbps increments)
# of TS Supported	24 SPTS
Video Format	MPEG-2; H.264 (AVC); H.265 (HEVC)
Video Resolution	480i (60 FPS); 480p (30/60 FPS); 720p (30/60 FPS); 1080i (30 FPS); 1080p (30 FPS) Note: 29.97 & 59.94 FPS are supported
Closed Captioning	EIA-608 / EIA-708
Addressing	Unicast, Multicast

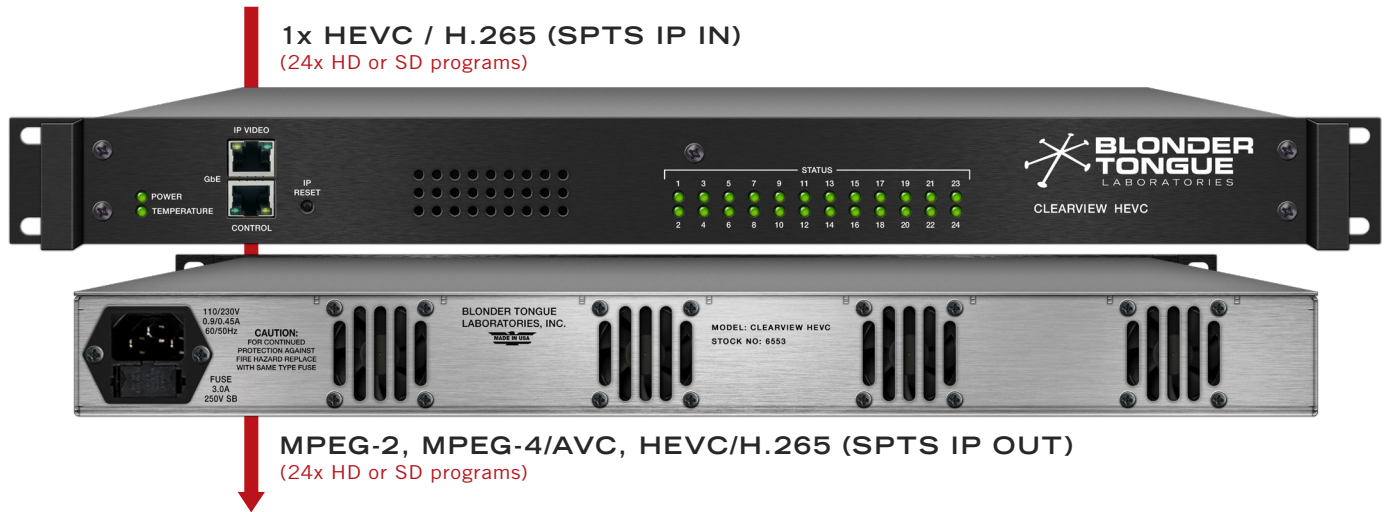
AUDIO	
Output Formats	Dolby® AC3, AAC, MP3, MPEG1-Layer2 (Pass-through/Decode only)
SAP	Supported
Audio Bit Rates	128, 192, and 256 Kbps

ALARMS & MONITORING	
Local Monitoring	1x Power and Status LED (Bicolor) 1x Temperature LED (Bicolor) 24x Transcoder Status LED (Bicolor)
Local Control	1x IP Reset Button
Remote Device Control	1x RJ45 (1000Base-T GbE) GUI-Based Menu Via Internal Web Server

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I/O OVERVIEW



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