

CLEARVIEW+ 24 Channel HD Transcoder

Key Features

- » Accepts up to 24 HD or SD programs in 1RU
- » Accepts IP video transport in MPEG-2, H.264, or H.265
- » Dolby® Digital Audio capability
- » Superior Transcoding quality at low bit rates
- » Now with Multicast IGMP v2/v3 Input and Output Support



Product Overview

The **Clearview+** is a professional grade video and audio transcoder in a 1RU form factor, designed to accept up to 24 HD or SD programs simultaneously, using up to 1Gb of data throughput. The unit can accept IP video transport streams in MPEG-2, H.264, or H.265 and output these streams to any combination of MPEG-2, H.264, and H.265 formats. Product features include transrating capability of specific video bit rates and specific video resolutions.

The **Clearview+** hardware-based video compression technology provides superior transcoding quality at low bit rates, perfect for Live Linear Broadcasting. The Clearview+ was designed to support a wide range of video and audio inputs and outputs, including Dolby® Digital audio encoding.

Ordering Information

<u>Model</u>	<u>Stock #</u>	<u>Description</u>
Clearview+	6557 1	24 Channel HD Transcoder

CLEARVIEW+ 24 Channel HD Transcoder

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
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 (60 FPS); 1080p (30 FPS)
Closed Captioning	EIA-608, EIA-708
Addressing	Unicast, Multicast
Audio	
Input Formats	Dolby® AC3, AAC, MPEG1-Layer2 (Pass-through/Decode only), MP3
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 19.2 x 1.75 in (483 x 488 x 45 mm)
Unit Weight	9.5 lbs (4.31 kg)
Power	110/230 VAC, 0.9/0.45 A, 60/50 Hz
Power Consumption	64 W
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-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
Video Bit Rates	2 to 19 Mbps (0.1 Mbps increments)
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 (60 FPS); 1080p (30 FPS)
Closed Captioning	EIA-608, EIA-708
Addressing	Unicast, Multicast
Audio	
Input Formats	Dolby® AC3, AAC, MP3 (MPEG1-Layer2 Pass-through only)
SAP	Supported
Rates	128, 192, and 256 Kbps

Alarms & Monitoring

Local Monitoring	1x Power LED 1x Temperature LED 24x Status LEDs
Local Control	1x IP Reset Button
Remote Control	1x RJ45 (1000Base-T GbE)

CLEARVIEW+ MPEG-2/H.264/H.265 HD Transcoder

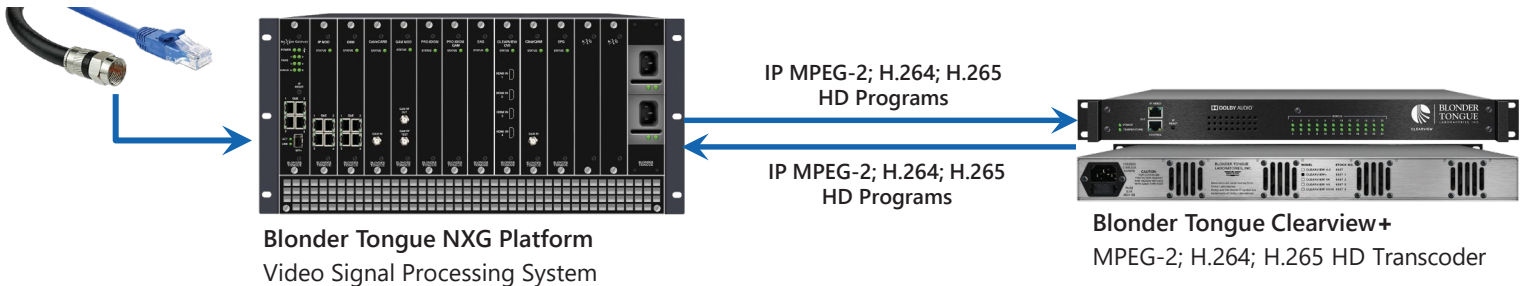
MPEG-2/H.264/H.265 IP Streams

(24x SPTS)



Application Diagrams

Cable or IPTV Provider Source



Satellite, MSO, & Telco
Transcode Applications

