

CLEARVIEW 4:2 H.264 to MPEG-2 HD Transcoder

The Blonder Tongue Labs' **Clearview 4:2™** is a professional grade low-cost-per-stream video Transcoder. **Clearview 4:2** can Transcode up to twenty-four (24) HD or SD programs from H.264 to MPEG-2 in a 1RU form factor. The **Clearview 4:2** accepts Unicast H.264 IP transport streams and re-encodes the video content to MPEG-2 transport streams for IP Unicast delivery.

Blonder Tongue's cutting edge video compression technology supports low video bit rates while maintaining high picture quality. The **Clearview 4:2** provides an easy to use interface and the ability to download and upload a configuration file for multi-unit deployments.

The **Clearview 4:2** can also be configured to receive up to twenty-four (24) H.264 AES-128 encrypted IP channels from Technicolor COM3000/2000 devices. The **Clearview 4:2** decrypts the AES-128 content, Transcodes the decrypted H.264 content into MPEG-2, while preserving the "forensic watermarking" and returns the content to the Technicolor COM3000/2000 devices.



H.264 to MPEG-2 IP Unicast Streams



Features

- Unicast IP input that supports up to 24 SPTS H.264 HD programs
- Unicast IP output supports up to 24 SPTS MPEG-2 HD programs
- Decrypts Technicolor's AES-128 encrypted H.264 video content
- Preserves Technicolor's embedded watermarking on outbound MPEG-2 video content
- Easy-to-use GUI for monitoring & control
- 24 front panel Status LEDs, one for each program stream
- Front panel Temperature LED

Ordering Information

Model	Stock #	Description
Clearview 4:2	6557	H.264 to MPEG-2 HD Transcoder

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Specifications

Input

IP	Connector: 1x Front Panel RJ45 (IP Video Port, Input/Output)
	Standard: 1000Base-T (GbE)
	Protocols Supported: UDP
Stream Portfolio	
	Standard: ISO/IEC 13818-1
	Decryption: AES-128
	TS Packet Length: 188 bytes
	Sync Byte: 0x47
	Bit Rate: Constant
	TS Supported: 24 SPTS
	CODEC: H.264
	Resolution: 480i (30 fps) 720p (60 fps) 1080i (30 fps) 1080p (30/60 fps)
	Audio: Pass-through
	Routing Protocol: Unicast

Output

IP	Connector: 1x Front Panel RJ45 (IP Video Port, Input/Output)
	Standard: 1000Base-T (GbE)
	Protocols Supported: UDP
Stream Portfolio	
	Standard: ISO/IEC 13818-1
	Content Protection: Watermarking
	TS Packet Length: 188 bytes
	Sync Byte: 0x47
	Bit Rate: Constant
	TS Supported: 24 SPTS
	CODEC: MPEG-2
	Resolution: 480i (30 fps) 480p (30/60 fps) 720p (30/60 fps) 1080i (30 fps)
	Audio: Pass-through
	Routing Protocol: Unicast

General

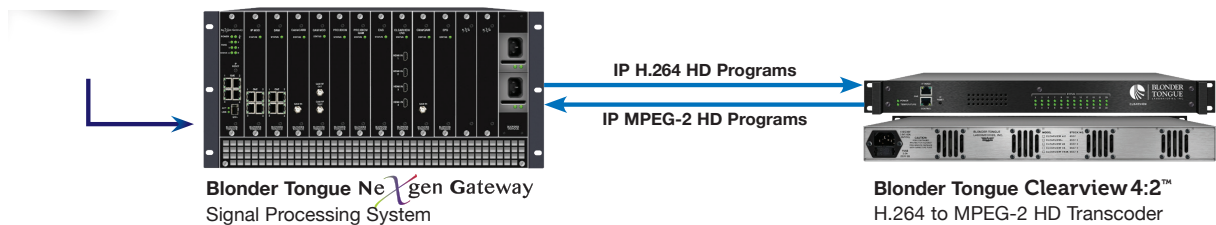
Unit Dimensions (W x D x H):	19.0 x 19.2 x 1.75 inches (483 x 488 x 45 mm)
Power:	110/230 VAC, 1.0/0.5 A, 60/50 Hz
Power Consumption:	60 W
Unit Weight:	9.5 lbs (4.31 kg)
Operating Temperature:	32 to 122 °F (0 to 50 °C)
Storage Temperature:	-13 to 158 °F (-25 to 70 °C)
Operating/Storage Humidity:	0 to 95% RH @ 35 °C max, non-condensation

Alarms/Monitoring/Control

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

Application Diagrams

Cable or IPTV Provider Source



Satellite Distribution

