

# MODEL Clearview 4:2™

# H.264 TO MPEG-2 HD TRANSCODER



The Blonder Tongue Labs' **Clearview 4:2**<sup>™</sup> 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 edgevideo compression technolog 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 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 HF 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**

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Model	Stock #	Description
Clearview 4:2	6557	H.264 to MPEG-2 HD Transcoder
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Call Us: 954.427.5711 Toll Free: 888.293.5856

## **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 adv	advanced / media technologies®		
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:			
Resolution:	480i (30 fps)		
	480p (30/60 fps)		
	720p (30/60 fps)		
	1080i (30 fps)		
Audio:	Pass-through		
Routing Protocol:	Unicast		

#### General

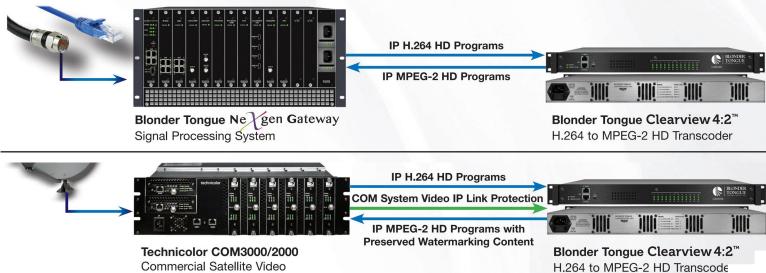
Unit Dimensions (W x D x H):	19.0 x 19.2 x 1.75 inches (483 x 488 x 45 mm)
Power:	110/230 VAC, 0.9/0.45 A, 60/50 Hz
Power Consumption:	64 W
Unit Weight:	9.5 lbs (4.31 kg)
Operating Temperature:	32 to 122 °F (0 to 50 °C)
Storage Temperature:	-13 to 158 °F (-25 to 70 °C)
Operating/Storage Humidity:	0 to 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



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Management System

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