



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
- » 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. It 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. It is designed to support a wide range of video and audio inputs and outputs, including Dolby® Digital audio encoding.

ORDERING INFORMATION



| MODEL | STOCK# | DESCRIPTION |
|------------|---------------|--------------------------|
| Clearview+ | 6557 1 | 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 |
| # of TS Supported | 24 SPTS |
| Video Formats | MPEG-2; H.264 (AVC); H.265 (HEVC) |
| Video Resolutions | 480i (60 FPS); 480p (30/60 FPS); 720p (30/60 FPS); 1080i (30/60 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 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 |

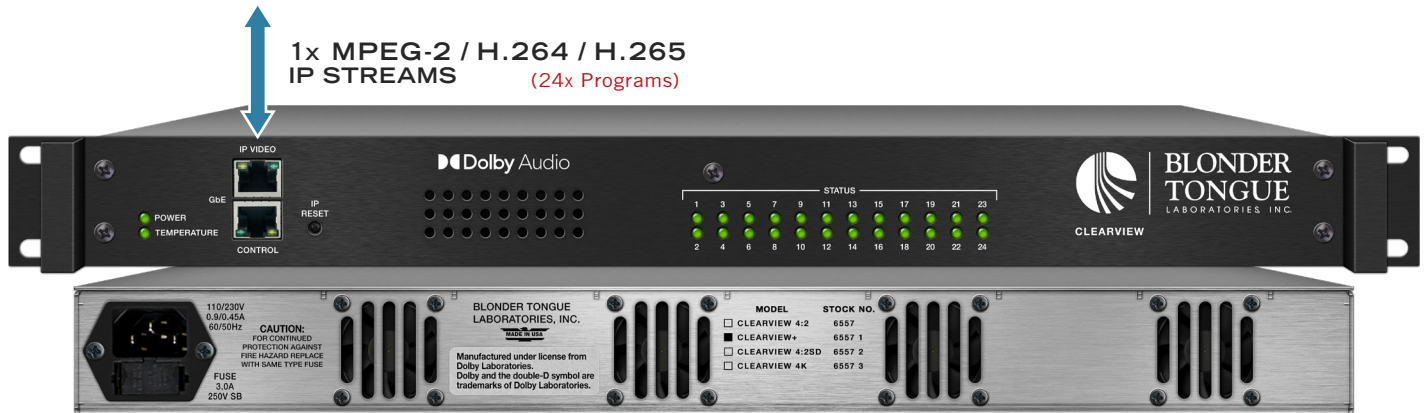
| OUTPUT | |
|----------------------------|---|
| Connector | 1x Bi-directional Front Panel RJ45 (IP Video Port, Input/Output) |
| Standard | 1000Base-T (GbE) |
| Protocols Supported | UDP |
| STREAM PROTOCOLS | |
| Standard | ISO/IEC 13818-1 Systems |
| TS Packet Length | 188 bytes |
| Sync Byte | 0x47 |
| 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 (60 FPS); 1080p (30 FPS) |
| Closed Captioning | EIA-608 / EIA-708 |
| Addressing | Unicast, Multicast |
| AUDIO | |
| Output Formats | Dolby® AC3, AAC, MP3 (MPEG1-Layer2 Pass-through 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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