Uniguest Transcoder (700-485).

Flexible 1U rack mount multistream audio and video transcoder.

Key Features

Transcodes multiple live MPEG2, H264, and HEVC IPTV streams to H264 or H265

Bitrate reduction per stream for data rate limiting

Dynamic resolution and frame rate downscaling from 4K to 480p

Convert from interlaced to progressive scan

Multicast to Unicast conversion, and vice versa

Controlled via web GUI or Uniguest MediaStar Media

Rack mount format with dual redundant PSU support Manager

Stream parameters can be controlled and modified, including re-encoding the incoming video and audio streams to H264 or H265 HEVC, resolution downscaling from 4K to 480p, and interlaced formats converted to progressive scan. Outgoing streams can also be converted from Multicast to Unicast format and vice versa to suit re-transmission requirements.

The simultaneous transcoding capacity per unit is typically between 3 to 20 channels, depending on the outgoing video encoding formats and the resolutions selected (see specifications).

What's in the box?	• 700-482 Transcoder appliance unit with pre-installed transcoder software • AC Power Cord
Stream Input Formats	• Unicastast or multicast UDP MPEG2 transport streams • MPEG2, H264 or H265 video formats • MPEG, AAC, or digitally encoded audio
Output Encoding and Resolutions	• Unicast or multicast UDP MPEG2 transport streams (TTL = 16) • 264 or H265 video formats (1 – 10 Mbps ABR) • AAC stereo audio (48-192 kbps) • G711 (64Kbps) RTP Unicast or multicast streams with TV picture audio, with up to 10000mS synchronization delay
Stream Handling Capacity	Simultaneous transcoding of 20 IPTV streams, including video & audio format conversion, picture resolution conversion, and simultaneous output of separate G711 audio streams
Network Configuration	• RJ45 802.3 100/1000/1000 Base-T Auto MDIX • IPv4, IPv6, DHCP, or Static IP addressing
System Configuration	• Dual Intel Xeon Bronze Processor, 16 GB RAM 240 GB SSD • Linux OS V4.19 LTS • 2 x USB 3.0 host ports used for keyboard/ Mouse • Monitor connection for local terminal session.
Physical	**Dimensions:** 43.7cm x 4.3cm x 89.4cm **Weight:** 16Kg/32.5lbs **Operating Temperature:** 0 - 40°C; 32 - 104°F
Approvals	FCC, CE, CSA (UL) Approved
System Management	• Web page interface for easy system configuration • Can operate stand-alone or integrated with Uniguest MediaStar Media Manager system Administration Software • SNMP Traps for alert conditions (incoming stream errors or stream not present)

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