

TC-5006 Transcoder

High density MPEG-2 and H.264 transcoder for SD and HD

Applications

- 24x7 Video Transcoding

Features

- Transcoding between MPEG-2 and H.264 (any-to-any)
- Six ASI or DVB-S2 inputs for high density
- IP input
- SD and HD transcoding
- Up to 4x HD and 8x SD transcodes per chassis
- Audio transcoding or pass-through up to 8 pairs
- Support for Closed Captions
- Support for BISS descrambling
- IP output
- ASI output
- Built in remultiplexer
- 7-button front panel
- Large illuminated LCD display
- 1RU compact rugged rackmount chassis
- MPEG Layer II and AAC audio compression standard
- AC-3 compression variants
- Web browser control interface

Description

The TC-5006 transcoder is a professional transcoder for MPEG-2 and H.264 applications. With support for simultaneous SD and HD transcoding for any supported video codec at an industry- leading price, the TC-5006 is the perfect transcoding system for multichannel operations.

Flexible Configurations

The TC-5006 can be purchased with either six DVB-S/S2 or ASI inputs. This transcoder also supports advanced re-multiplexing and can re-multiplex the multiple inputs into one single MPTS or output individual SPTS over ASI or IP.

Easy to use

There is a complete set of front panel button controls for easy configuration. The large LCD display is illuminated, and provides high contrast for visibility in direct sunlight. Control may be via the simple front panel interface or the integrated web browser controlled simple software interface.

Reliable and affordable

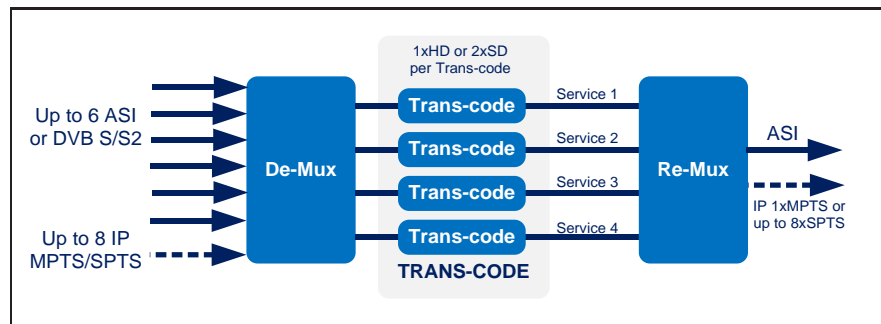
By using the latest integration of MPEG and low-power digital electronics technology, the TC-5006 delivers up to 8x SD or 4x HD transcodes in a single chassis to provide the most cost effective transcoder product on the market.



TC-5006-S (DVB-S/S2 & IP inputs)



TC-5006-A (ASI & IP inputs)



TECHNICAL SPECIFICATIONS—TC-5006 Transcoder



Hardware Variant	Satellite Input	ASI Input	IP Input	ASI/IP Output	Video Transcoding	Audio Passthrough	Audio Transcoding to MP2/AAC	Audio Transcoding to AC3
TC-5006-A		✓	✓	✓	✓	✓	✓	
TC-5006-S	✓		✓	✓	✓	✓	✓	
TC-5006-A-AC3		✓	✓	✓	✓	✓	✓	✓
TC-5006-S-AC3	✓		✓	✓	✓	✓	✓	✓

STANDARD FEATURES

Transport Inputs	<ul style="list-style-type: none"> Six (6) DVB-S/S2 inputs (TC-5006-S) Six (6) ASI inputs (TC-5006-A) IP input (MPTS or 8 x SPTS)
Transport Output	<ul style="list-style-type: none"> 1 ASI output (re-multiplexed) 8xSPTS and 1xMPTS over UDP/RTP/RTSP, 1000M Base-T Ethernet Interface (UDP/RTP unicast / multicast)
BISS Descrambling	<ul style="list-style-type: none"> Up to 8 services
Video Transcoding	<ul style="list-style-type: none"> 4 x H.264 HD → 4 x MPEG2/H.264 HD 4 x H.264 HD → 4 x MPEG2/H.264 SD 8 x H.264 SD → 8 x MPEG2 SD 4 x MPEG2 HD → 4 x MPEG2/H.264 HD 4 x MPEG2 HD → 4 x MPEG2/H.264 SD 8 x MPEG2 SD → 8 x H.264 SD
Audio Processing	<ul style="list-style-type: none"> 8 pairs (1 pair per SD, 2 pair per HD)
Audio Passthrough	<ul style="list-style-type: none"> MPEG-1 Layer 2, AAC and AC3
Audio Transcoding	<ul style="list-style-type: none"> MPEG-1 Layer 2, AAC, AC3, Any-to-any
Audio Sampling	<ul style="list-style-type: none"> 48 kHz
Audio Bitrate	<ul style="list-style-type: none"> 64 kb/s to 384 kb/s

STATUS AND CONTROL INTERFACES

- 7 button front panel control
- Backlit LCD Display
- Web based control management

POWER REQUIREMENTS

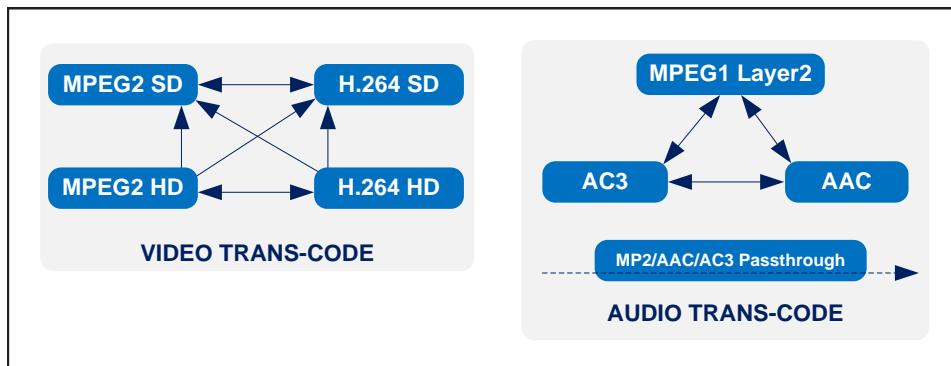
Supply Voltage	100 to 240 VAC, 50 or 60 Hz
Power Consumption	20 Watts maximum

PHYSICAL PARAMETERS

Chassis	1RU rackmount
Dimensions (H, W, D)	4.5 cm x 43.0 cm x 40.5 cm (1.77" x 17" x 15.9")
Weight	4.8 kg (10.6 lbs)

ENVIRONMENTAL CONDITIONS

Operating Temperature	0° to 45° C (32° to 113° F)
Storage Temperature	-20° to 80° C (-4° to 176° F)



International Datacasting Corporation is a technology provider for the world's premiere broadcasters in radio, television, data and digital cinema. IDC's products and solutions are in demand for radio and television networks, targeted ad insertion, digital cinema, 3D live events, VOD, and IPTV. IDC is headquartered in Ottawa, Canada, has installations in over 100 countries, and a strong world-wide network of value-added partners and distributors. For more information visit: www.datacast.com.

HEADQUARTERS: 50 Frank Nighbor Place, Kanata, ON Canada K2V 1B9

Tel: +1 613.596.4120

Copyright © 2015 International Datacasting Corporation. Information in this document is subject to change without notice. All other trademarks are property of their owners.

Datasheet version #4, updated January 2016

INTERNATIONAL
DATACASTING

www.datacast.com