



Transcoder Module TANGRAM GT37

TANGRAM GT37

The GT37 module is part of the TANGRAM product portfolio. The GT37 SD/HD transcoder module is able to transcode Video/Audio signals to different MPEG codecs.

TANGRAM is a very high density and highly flexible solution for all kinds of networks. The WISI Tangram chassis uses a fully redundant concept.

Transcoder

The transcoder module for TANGRAM Platform enables transcoding from MPEG-4 (AVC) to MPEG-2, MPEG-2 to MPEG-4 and rate control.

Features

- TRANSCODING OF UP TO 4 HD OR 4 SD CHANNELS PER MODULE
- TRANSCODING MPEG-4 ↔ MPEG-2
- SUPPORTS MPEG-2 H.262 AND MPEG-4 H.264
- SUPPORTED FORMATS:
1080i, 720p, 576i, 480i
- INPUTS OPTIONS FOR TRANSCODING:
ASI OR IP MULTICAST



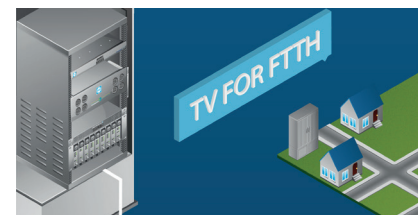
CHANNEL PROCESSING

Headends for residential, regional and national networks.



HOUSING INDUSTRY

Headends for housing complexes, hotels and hospitals.



RF OVERLAY

Solutions for video services in GPON and Active Ethernet networks.

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Technical Information

Transcoding	
Transcoding	Up to 4 HD or 4 SD channels
Supported formats video	MPEG-2 SD, MPEG-2 HD, MPEG2 MP@ML, MPEG2 MP@HL, MPEG-4 AVC SD, MPEG-4 AVC HD, MPEG-4 AVC MP@L4.0, MPEG-4 AVC HP@L4.0
Supported formats audio	MPEG 1 layer II, AAC, max. 2 audio streams per stream
Supported resolutions	1080i, 720p, 576i, 480i
Supported tables	PAT, PMT and SDT*
Time stamp & de-jitter	Yes

IP Streaming input/output	
Max. SPTS/MPTS input Streams per module	2 (CBR), 4* (CBR)
Max. SPTS/MPTS output Streams per module	3 (CBR), 4* (CBR)
Communication protocol	Unicast (out) and Multicast (in/out), SPTS and MPTS
Packet Format	MPEG over RTP/UDP
Packet Size	188byte

* available on request

ASI input/output	
Input/Output	2x ASI in, 1x ASI out
Impedance	75 Ω
Frequency range	< 270 MHz
Return loss	> 17 dB (27-270 MHz)
Compliance	EN 50083-9:2002
Packet size Input Output	188 byte
PCR restamping	Yes
Input/Output max. payload bit rate	Typical 200 Mbit/s

General Data	
Signalling	Multicolor LEDs (Power on - green, Error - red)
RF connectors	2x BNC ports for Input, 1x F-Connector for output
Power consumption	\leq 15W
Operating temperature range	-5°C to +45 °C (ETSI EN 300 019-1-3 Class 3.1)
Nominal temperature range	15°C ... +35°C
Max. humidity (non condensing)	95 %
EMV	EN 50083-2

Related SW options	
GTM1	Service License Agreement extension 1 year
GTM3	Service License Agreement extension 3 years

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