

# WISI GT 37

Transcoder module



## Description

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.

## Scope of delivery

- 1x GT37 module
- 1x Quick Guide

## At a glance:

- Transcoding of up to 4 HD or 4 SD channels per module
- Transcoding MPEG-4/AVC <--> 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
- Outputs options for Transcoding: ASI or IP Multicast/Unicast
- High density: Transcodes up to 24 HD or SD channels in 1 RU
- Full decode and re-encode transcoder architecture

## Technical data

### Streaming-In-/Output

IP-Inputs	2 pcs. CBR
IP-Outputs	3 pcs. CBR
IP-Compliance	ISO/IEC 13818
IP-Input bitrate	max. 100 Mbps per IPTS, max. 400 Mbps total
IP-Output bitrate	max. 110 Mbps per IPTS, max. 400 Mbps total
IP-Input protocol	UDP/RTP Multicast, IGMP v2 and v3
IP-Output protocol	UDP/RTP Unicast and Multicast, IGMP v2 and v3
IP-TS-Input format	CBR
IP-TS-Output format	CBR
IP-Packet format	MPEG over UDP/IP and RTP/IP
IP-Packet size	188 byte
IP-PCR restamping	Yes

### ASI-In-/Output

ASI-Inputs	2 pcs.
ASI-Outputs	1 pcs.
ASI-Compliance	EN 50083-9:2002
In-/Output max. payload bitrate	200 Mbit/s
ASI-PCR restamping	Yes

### Processing/Transcoding

Transcoding	Up to 4 HD or 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-LC, AC-3, max. 1 audio per video
Supported resolutions	1080i, 720p, 576i, 480i
Supported tables	PAT and PMT
PCR Korrektur und de-jitter	Yes

### Connectors

F-socket ASI-output	1 pcs.
BNC-socket ASI-input	2 pcs.
RJ45	0 pcs.

### General data

Power consumption max.	< 15 W
Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.1)
Electro Magnetic Compatibility (EMC)	EN 50083-2
Max. humidity (non condensing)	95 %
Signalling	Multicolor LEDs (Power on - green, Error - red)

## Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	100x20x220 mm
Packaging volume sales unit	dm <sup>3</sup>
Gross weight sales unit	0,210 kg
Shipping unit	1 pcs.

## Packaging data

Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,7 dm <sup>3</sup>
Gross weight shipping unit	0,360 kg
EAN	4010056731717
Article number	73171
Customs tariff number	85176200