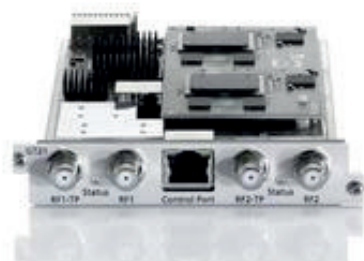


# WISI GT 21 W

Tangram Modul IP in 6x PAL/SECAM/NTSC



## Description

The GT 21 W module is part of the Tangram product portfolio. The GT 21 W module allows you to add up to 6 services in PAL / SECAM format per module to your network. Tangram is a very high density and highly flexible solution for all kinds of networks. The WISI Tangram chassis uses a fully redundant concept (n+1, 1+1).

## Scope of delivery

- 1x GT21 module
- 1x Quick Guide

## At a glance:

- High quality IP to analogue PAL/SECAM/NTSC modulation
- Up to 6 analogue channels on 2 RF outputs
- Outstanding signal parameters by direct digital modulation
- HD to SD downscaling functionality
- MPEG-2 H.262 and MPEG-4 H.264 decoding (SD & HD)
- For measurement / monitoring test ports of the output signal
- Temperature and output level monitoring
- RTP/ IP input streaming with FEC error correction

## Technical data

### Gigabit Ethernet Schnittstelle

Data protocol	MPEG over UDP/IP and RTP/IP
Communication protocol	Unicast and multicast IGMP V2 (optional V3)
Syntax	SPTS and MPTS (ISO/IEC 13818)
Maximum data input bitrate using several MPTS signals	<800 Mbps (using several MPTS signals)

Video decoder	6x MPEG-2 ISO 13818-2, MPEG-2 (MP@ML) 1,5 .. 15 MBit/s, 3x MPEG-4 H.264, SD (MP@ML) Level 4.1, HD (MP@HL) Level 4.1, downscaling
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Video-Format	4:3/16:9/4:3 Zoom
	PAL/SECAM/NTSC

Sub-title	DVB and Videotext (EBU) EN 300 743
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	<1,5 %
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	<1,5 °
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Group delay time	<50 ns (-0,5...4,43 MHz)
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	<3 %
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	±1 dB (10 Hz...5 MHz, CCIR 18)
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	64 dB (typ., (CCIR-rec.567-1) 2/3 channel typ. 62 dB)
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	<1,2 %
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audio decoding	ISO 13818-3 MPEG-1 (L1/L2), MPEG-2 (L1/L2), Dolby*
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	ISO 639
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Audio format	Mono/Stereo/Dual NICAM
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S/N Audio	75 %
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	64 dB
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	48 dB
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Frequency response	±1 dB (40 Hz...15 kHz)
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	2 pcs.
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	3 pcs.
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Output frequency range	45...862 MHz (34,2 MHz pro Port)
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Output frequency steps	1 kHz
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### Modulation VSB AM

Output channel band width	7/8 MHz
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Output level	117 dBµV(1 ch), 113 dBµV(2 ch), 111(3 ch) dBµV
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	-20 dB (± 1 dB)
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	±1 dB
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Output return loss	≥14 dB (45 MHz -1,5 dB/Okt.)
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	0...30 dB (0,5 dB-steps)
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Spurious suppression	66 (typ., 45...450 MHz, 450...862 MHz, typ. 64 dB)
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### Connectors

RJ45	1 pcs.
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F-socket HF- output	4 pcs.
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## Technical data

### General data

Power consumption	<26,2 W (max.)
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Dimensions (width x height x depth)	100x220 mm
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Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.2)
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### Packaging data

Sales unit	1 pcs.
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Dimensions (WxHxD) sales unit	100x20x220 mm
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Gross weight sales unit	0,250 kg
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Shipping unit	1 pcs.
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Dimensions (WxHxD) shipping unit	170x70x340 mm
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Packaging volume shipping package	2,681 dm <sup>3</sup>
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Gross weight shipping unit	0,460 kg
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EAN	401005672977
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Article number	72977
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Customs tariff number	85437090
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Country of origin	GER
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