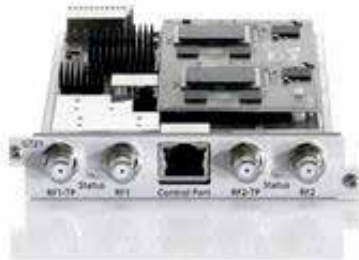


WISI GT 21 W

Tangram Modul IP in 6x PAL/SECAM/NTSC



ELPAS



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 processing	
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
Video-Format	4:3/16:9/4:3 Zoom
Video Standard	PAL/SECAM/NTSC
WST teletext fade in	Lines 7-15, 20-21
VPS fade in	line 16
WSS fade in	Depending on the aspect ratio
Sub-title	DVB and Videotext (EBU) EN 300 743
test lines	Line 17, 18, 330, 331
video parameters	
Differential amplitude	<1,5 %
Differential phase	<1,5 °
Group delay time	<50 ns (-0,5...4,43 MHz)
	<3 %
Video frequency response	±1 dB (10 Hz...5 MHz, CCIR 18)
S / N Video rated at a canal	64 dB (typ., (CCIR-rec.567-1) 2/3 channel typ. 62 dB)
2-T Puls K Faktor	<1,2 %
test picture	color bars
Audio processing	
audio decoding	ISO 13818-3 MPEG-1 (L1/L2), MPEG-2 (L1/L2), Dolby*
Audio language	ISO 639
Audio format	Mono/Stereo/Dual NICAM
audio format switch	manual / automatic
Audio-Parameter	
S/N Audio	75 % with help from the colour bar
Standard-B-G-D-K-I	64 dB (typ., weighted)
Standard-L	48 dB (typ., weighted)
Frequency response	±1 dB (40 Hz...15 kHz)
RF parameters	
output interface	2 pcs.
Channels per output	3 pcs.
Output frequency range	45...862 MHz (34,2 MHz pro Port)
Output frequency steps	1 kHz
Modulation VSB AM	
TV standards	B/G, D/K, I, L, M, N
Output channel band width	7/8 MHz
Output level	117 dBµV(1 ch), 113 dBµV(2 ch), 111(3 ch) dBµV
Test Port	-20 dB (± 1 dB)

Technical data	
output level accuracy	±1 dB
Output return loss	≥14 dB (45 MHz -1,5 dB/Okt.)
output level steps	0...30 dB (0,5 dB-steps)
Spurious suppression	66 (typ., 45...450 MHz, 450..862 MHz, typ. 64 dB)
Connectors	
RJ45	1 pcs.
F-socket HF- output	4 pcs.
General data	
Power consumption	<26,2 W (max.)
Dimensions (width x height x depth)	100x220 mm
Operating temperature range	-5°C...+45 °C (ETSI EN 300 019-1-3 Class 3.1)

Packaging data	
Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	325 x 150 x 55 mm
Packaging volume sales unit	dm³
Gross weight sales unit	0.480 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	170x70x340 mm
Packaging volume shipping package	2,681 dm³
Gross weight shipping unit	0,460 kg
EAN	4010056729776
Article number	72977
Customs tariff number	8543709000