

## TDmH Mini Headend - IP

Article No.492770



### TDmH Mini Headend

Built on the same cutting-edge and well-tested software platform used for TDcH, but with reduced functionality to meet the requirements for an entry-level headend. Complimentary updated software offers new and existing customers additional functions, benefits, and powerful hardware configurations to match your requirements.

#### Compact excellence

- Exquisite engineering, finely tuned for perfect performance
- Your natural choice for swift, efficient TV distribution
- Save time and costs, with fast, easy installation and remote management
- Compact design fits elegantly into 19" rack or as a wall mount unit.
- Reliable, innovative headend expertise from TRIAX

#### Smooth integration

- Optimised channel setup with advanced multiplexing and Service Pool technology
- No need for retuning TV sets in rooms thanks to SID and PID Management
- EPG Management ensures full Electronic Program Information (EPG) for better user experience
- Multiple language service allows for multiple distribution of a service with different audio (language) tracks
- IP-in and IP-out for receiving and streaming services. Possibility for simultaneous IP-in and IP-out through the same interface with optional VLAN tags for separating the in and out streams
- RF output available either as QAM or COFDM modulation.

#### Service Pool and Multiplex technology

- 48 IP-in SPTS and MPTS UDP/RTP
- 48 IP-out SPTS UDP/RTP
- Multiplexing at both RF and IP output.
- Optimised service line-up within the available input and output modules
- More relevant TV services due to service multiplexing

#### Energy saving – long-term reliability

- Low power consumption
- Temperature controlled cooling system with integrated fans - increases the service life of the equipment
- The cooling system supports 19" rack mounting as well as wall mounting



Item Name:		TDmH IP
Art No:		492770
EAN Number	-	5061038081510
<b>INTERFACES</b>		
Management Interface	-	1 x 1000 Base-T (RJ 45, Port 1)
SimulCrypt / DRM	-	1 x 1000 Base-T (RJ 45, Port 2) not supported with current software release
Ip-in and -out	-	1 x 1000 Base-T (SFP)
<b>IP-Input</b>		
Number of IP input streams	-	48
Data interface	-	1 x 1000 Base-T SFP or Fibre SFP ; 1000BaseX (SerDes) mode
Protocols	-	IEEE802.3 Ethernet, IEEE802.1Q VLAN IGMPv2, IGMPv3 SPTS Streaming (VBR) including PAT, SDT, PMT, CAT and EIT MPTS Streaming (VBR) including PAT, SDT, PMT, CAT and EIT Multicast UDP and RTP MPEG Transport Stream via IP Protocol
IP packet format	-	MPEG
IP-Bitrate	-	max. 950 Mbit/s at SFP interface for all SPTS streams
<b>RF output</b>		
RF out	-	1 x F connector
HF measuring output	-	1 x F connector, -20 dB
Frequency range	MHz	306 – 862
Channels	-	S 21 – C 69
Channel settings	-	8 channels in a row, single channels can be switched off
Return loss	dB	> 10
Output impedance	$\Omega$	75
<b>QAM modulation</b>		
Output level range	dB $\mu$ V	85 – 95
Modulation scheme	-	QAM 16, 32, 64, 128, 256
Dynamic phase error	-	< 0.3
MER	dB	> 43
Symbol rate	MS/s	3.5 – 7.2
<b>COFDM modulation</b>		
Output level range	dB $\mu$ V	83 – 93
Carrier to spurious ratio:	dB	> 60
Modulation scheme:	-	QPSK, 16 QAM, 64 QAM
MER	dB	>=40
Output mode:	-	2k
Guard intervals:	-	1/4, 1/8, 1/16, 1/32
<b>IPTV Output</b>		
Number of IP output streams	-	48 x SPTS (license included)
Data interface	-	1 x 1000 Base-T SFP or Fibre SFP ; 1000BaseX (SerDes) mode
Protocols	-	IEEE802.3 Ethernet, IEEE802.1Q VLAN SPTS Streaming (VBR) including PAT, SDT, PMT, CAT and EIT Multicast UDP and RTP MPEG Transport Stream via IP Protocol 7 TS packets pr. Ethernet packet



IP packet format	-	MPEG
IP-Bitrate	-	max. 950 Mbit/s at SFP interface for all SPTS streams
PID-Filtering and Remapping	-	Yes
TTL	-	1-255 (default 16)
EIT	-	Inside SPTS for current service
XML EPG	-	EPG data in XML format as specified by Samsung Configurable language and Maturity Rating Country for XML EPG
<b>Features</b>		
SNMP	-	SNMP traps (license required)
<b>General</b>		
Mains supply	-	100 - 264 V AC, 50/60 Hz
Ground connection	-	Ground clamp
Power consumption	W	typ. 20
* Without CAM and LNB power	W	max. 25
Ambient temperature	°C	-10 to +50
Dimensions (W x D x H)	mm	434 x 168 x 45
Net Weight	kg	2.6