

# 4K UHD Encoder modulator/IP streamer TMAP4K

ANTTRON

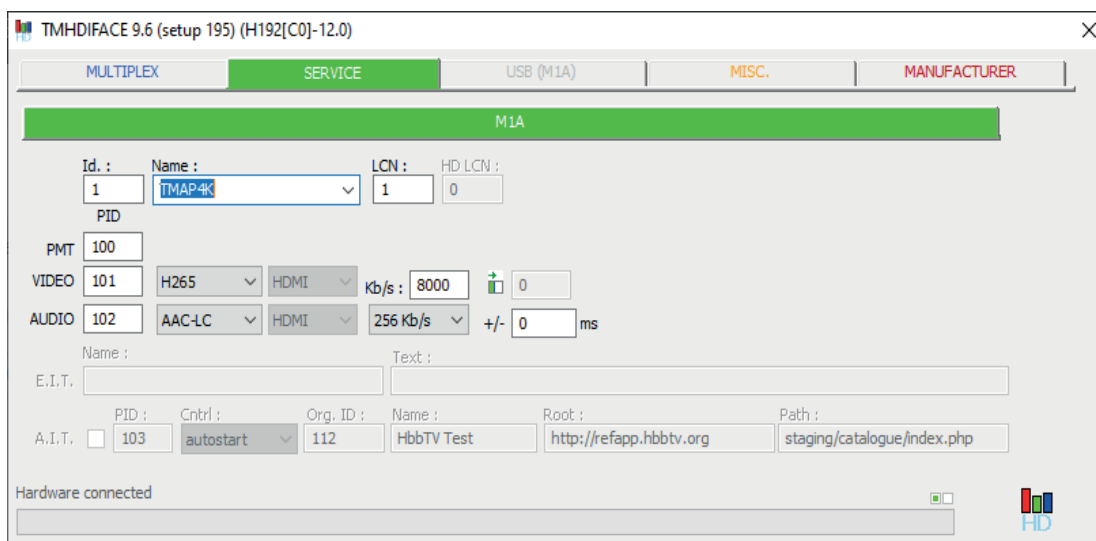
- 4K encoding (H265) / HD encoding (H264)
- 4K loop with downscale feature
- DVBT/C modulation
- IP streaming (UDP, RTP, RTSP, HLS)
- USB record and play function
- OSD (logo) insertion
- Audio delay function
- OLED and joystick for easy management
- PC programming using TMHDIface



## TECHNICAL SPECIFICATIONS :

REFERENCE		TMAP4K
Number of inputs		1
Video input	Encoding	
	Resolutions	4K /1080P / 1080I (*) /720P
	Compression	HEVC/ H.265 , MPEG 4 AVC/H.264 (bit rate : 1-15 Mbit/s)
Audio input	Input	HDMI
	Sample Rate	HDMI (32kHz / 44.1 kHz / 48 kHz)
	Compression	AAC, bitrate 128-380 Kb/s
DVB Processing	Supported tables	PAT, PMT, SDT, NIT
	Configuration	Channel/network name, SID, LCN, TSID, ONID, NID, versions, audio, video PIDs.....
DVBT output	Frequency/ level	170-230 MHz + 470-862 MHz / > 82 dBμV
	Constellation, FEC	QPSK/16QAM/64QAM - 1/2, 2/3, 3/4, 5/6, 7/8
	Guard interval	1/4, 1/8, 1/16, 1/32
	FFT Mode - MER	2K - > 34 dB
DVBC output	Frequency / level	110-862 MHz / > 82 dBμV
	Constellation - MER	QAM 16, 32, 64, 128, 256 / MER > 39 dB
RF output level	dBμV	> 82
Bypass loss		typ. 1 dB
IP output		UDP, RTP, RTSP, HLS
		100 mbit/s
Power supply	included	+ 5V / DC - 2.1 mm connector
Current consumption		< 1A
Dimensions (mm)		188 x 90 x 30

## TMHDIFACE SNAPSHOT



TMHDIFACE 9.6 (setup 195) (H192[C0]-12.0)

MULTIPLEX SERVICE USB (M1A) MISC. MANUFACTURER

M1A

Id.: 1 Name: TMAP-4K LCN: 1 HD LCN: 0

PID: 100

VIDEO: 101 H265 HDMI Kb/s: 8000 0

AUDIO: 102 AAC-LC HDMI 256 Kb/s +/- 0 ms

Name: Text:

E.I.T.:

A.I.T. PID: 103 Cntrl: autostart Org. ID: 112 Name: HbbTV Test Root: http://refapp.hbbtv.org Path: staging/catalogue/index.php

Hardware connected