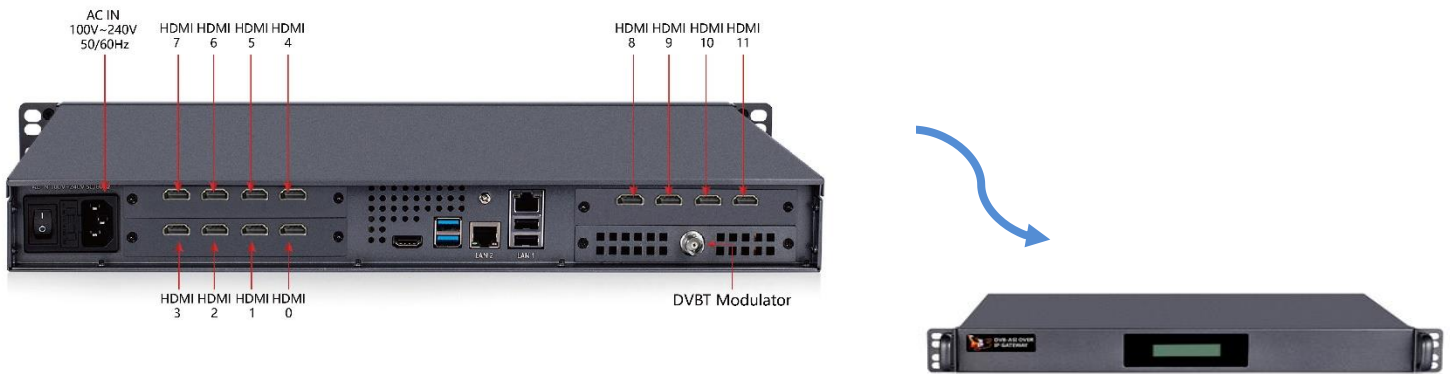


TBS8120 12 Channel HDMI to DVB-T Modulator

TBS8120 is an all-in-one device integrated encoding (MPEG-4/AVC H.264), multiplexing and modulation functions in one standard 1U case. It can convert 12 HDMI signals to 4 DVB-T RF out. The signals source could be from satellite receivers, closed-circuit television cameras and etc. its output signal is to be received by DVB-T standard TVs or DVB-T STBs

To meet customers' various requirements, this device is also equipped with IP input and 4 MPTS output over UDP and RTP. With "Remux" technology, you can easily select popular channels from input streams, then multiplexed to a new TS stream to 4 RF output.

TBS DVB-T modulator server is the perfect solution for Digital Signage, Private Circuit, STB Testing, and Laboratory Applications. It also provides a very costs-effective solution to transmodulation system and IPTV systems.



Features:

- RF modulation (terrestrial digital) output option
- 4 DVB-T RF transmission
- Managed through web UI
- Integrated modulating and multiplexing functions
- Support 12 HDMI channels input
- Support H.264/AVC video encoding
- Support MPEG1 Layer 2 (HE-AAC (V2), LC -AAC optional) audio encoding;
- Support PSI/SI editing and inserting
- PID remapping and passthrough
- Support VBR (video bitrate mode)
- Support 720P, 1080I, 1080P HD video format
- Support IP (1000M) Output over UDP, RTP/RTSP
- Real-time output bit-rate monitoring

Shenzhen Turbosight Technology Ltd.

TBS8120

Applications

- DVB-T signal generator
- Video broadcast/distribution
- IPTV system

Specifications:

Size	1U	
CPU	AMD® Embedded G-Series SoC (Quad Core, 2GHz)	
RAM	4GB DDR3 1333	
Graphics	Integrated AMD Radeon™ HD	
Ethernet	2x LAN Gbit / 100 Mbit / 10 Mbit	
SSD	30G mSATA SSD	
Interface	4 x PCI-E; 2 x USB 2.0 2 x USB 3.0	
Input	12 x HDMI	
Output	4 *RF COFDM DVB-T out (4 carriers combined output)	
Stream output	4 * MPTS output over UDP and RTP/RTSP as mirror of 8 DVB-Tcarriers	
Remote management	web NMS	
Video Input	Encoding	MPEG-4 AVC/H.264
	Resolution	1920×1080_60P,1920×1080_50P,1920×1080_60i, 1920×1080_50i,1280×720_60P,1280×720_50P, 720×576_50i, 720×480_60i
	Bit-rate	0.8~15Mbps each channel
	Rate Control	VBR
DVB-T Modulate	Frequency range	50~860MHz
	Channel bandwidth	6, 7, 8 MHz
	FFT mode	2K, 8K
	FEC	64QAM/16QAM
	Code rate	1/2,2/3,3/4,5/6,7/8
	Guard Interval	1/4, 1/8,1/16, 1/32
	Carrier Suppression	> 50dB
	MER	> 40dB
	Spectrum Shoulders	55 dB for perfect
Channelband width	variable channel band width from 6MHz to 8 MHz	