DVB-T Modulator with 8 or 12 HDMI Input

- 8 HDMI input (HDM 8508T)
- 12 HDMI input (HDM 8512T)
- 128 IP (UDP/RTP) input, 1 DVB-C input
- 4 DVB-T output
- 4 MPTS IPTV (UDP/RTP) output
- 4 internal Multiplexer
- On-Screen Graphics, Scrolling Text, QR Code
- Excellent RF output performance index, MER ≥ 40dB
- Accurate PCR adjusting
- PID filtering and re-mapping
- PSI/SI rebuilding and editing
- “Null PKT Filter” function
- Remote control and firmware, web NMS management.
- Updates via web.
- Professional quality, breakthrough price.

8 or 12 HDMI input
DVB-T Modulator
with Graphics Insertion

BLANKOM HDM 8508T and HDM 8512T are professional high integration devices which include encoding, multiplexing, scrambling and DVB-C modulation.

It supports 8 or 12 HDMI input, one DVB-C tuner input and 128 IP input with Data1 (GE) and Data2 (FE) port.

It also support DVB-T RF out with 4 adjacent carriers (50MHz ~ 960MHz), and support Data1 (GE) output port to support 4 MPTS out.

This full function device makes it ideal for small CATV headend system, and it’s a smart choice for hotel TV system, entertainment system in sports bar, hospital, apartment.
## Technical specifications:

| **Input** | 8 or 12 HDMI inputs  
1 DVB-T Tuner, F type interface  
DATA1 and DATA2, RJ45 |
|---|---|
| **Resolution** | Input  
1920×1080_60P, 1920×1080_60i,  
1920×1080_50P, 1920×1080_50i,  
1280×720_60P, 1280×720_50P,  
720×576_50, 720×480_60i,  

Output  
1920×1080_30P, 1920×1080_25P,  
1280×720_30P, 1280×720_25P,  
720×576_25P, 720×480_30P, |
| **Encoding** | MPEG-4 AVC/H.264 |
| **Bit-rate** | 1Mbps~13Mbps each channel |
| **Rate Control** | CBR/VBR |
| **GOP Structure** | IP…P (P Frame adjustment, without B Frame) |
| **Audio** | Encoding  
MPEG-1 Layer 2  
Sampling rate 48 kHz  
Resolution 24-bit  
Bit-rate 64kbps, 128kbps, 192kbps, 224kbps, 256kbps, 320kbps, 384kbps |
| **Multiplexing** | Maximum PID Remapping 180 input per channel  
Function  
PID remapping (automatically or manually)  
Accurate PCR adjusting  
Generate PSI/SI table automatically |
| **Scrambling** | Maximum simulcrypt CA 4  
Standard EN300 429/ITU-T J.83A/B  
Connection Local/remote connection |
| **Modulation** | DVB-T  
Standard EN300744  
FFT mode 2K,  
Bandwidth 6M, 7M, 8M  
Constellation QPSK, 16QAM, 64QAM  
Guard Interval 1/4, 1/8, 1/16, 1/32  
FEC 1/2, 2/3, 3/4, 5/6, 7/8  
MER ≥42 dB  
RF frequency 50~960MHz, 1KHz step  
RF out 4*RF COFDM DVB-T out  
(4 carriers combined output)  
RF output level -28~ -3 dBm (77~97 dbµV), 0.1db step |
| **Stream output** | RF output (F type interface)  
4 IP output over UDP/RTP, 1*1000M Base-T Ethernet interface (Data1 only) |
| **System function** | Network management (WEB)  
English language menu  
Ethernet software upgrade |
| **Miscellaneous** | Dimension (W×L×H) 482mm×410mm×44mm  
Approx weight 8kg  
Environment 0~45℃ (Working) ; -20~80℃ (Storage)  
Power requirements AC 110V± 10%, 50/60Hz, AC 220 ±10%, 50/60Hz  
Power consumption 70W |