

HDM IP&RF Simulcast Modulator



The Premium HDM Modulator Series offer the flexibility to place COFDM or QAM channels independently. Now Sat & Sound introduce you the Ultimate IPTV&RF solution. Now the latest HDM IP series offer more than you can imagine. Not only does the Ultimate IP & RF Simulcast Series distribute the HD RF signals over the coax, but it also supports video-over-IP streaming at the same time.

**Key Features**

- Selectable for QAM or COFDM modulation.
- Simultaneous RF/IP stream output with no compromise in performance.
- Distribute 4 HD sources/channels in only one or two RF carrier. (software selectable)
- Full H.264/AVC implementation.
- 'Fan-less' Natural convection cooling for reducing maintenance costs.
- Easy downloadable firmware updates
- On site or remote management.

● **Input**

Video & Audio input Connector type 4 x HDMI Type A receptacle

● **Encoder**

Video resolution Input: Up to 1080p@60Hz / Output: Up to 1080p@30Hz  
 Video encoding format H.264/AVC  
 Audio encoding format MPEG-1 audio layer II (ISO/IEC 11172-3)  
 PID setting PMT/ Video & Audio/ PCR  
 PSI NID/ ONID/P.D.S./TS ID  
 LCN Up to 1023  
 Service name At most 15 characters

● **DVB-T Modulation**

Standard DVB-T (ETSI EN 300 744 V1.5.1)  
 Number of carriers 2K/8K  
 Guard interval 1/4, 1/8, 1/16, 1/32  
 FEC 1/2, 2/3, 3/4, 5/6, 7/8  
 Constellation 16QAM/64QAM  
 Bandwidth 6/7/8 MHz

● **DVB-C Modulation**

Standard DVB-C (ETS 300 429)  
 Symbol rate Up to 6.96 M Symbol/S  
 Constellation 16QAM/32QAM/64QAM/ 128QAM/256QAM

● **RF Output**

RF carrier 1 or 2 selectable  
 Frequency 50-860 MHz  
 Output level 90-105 dBµV  
 MER DVB-T: > 36 dB;  
 DVB-C: > 42dB  
 Connector type 'F' female connector

● **IP Streaming**

Connector type RJ-45 10/100Mb Ethernet  
 Stream Details Up to 4 SPTS,  
 one for each encoded stream ;  
 UDP/RTP unicast or multicast ;  
 User programmable destination IP address

● **General**

On-site management LCD panel & Buttons  
 Remote operation LAN  
 Type 1RU 19-inch rack mount  
 Dimensions/Weight 44x440x280mm / 3.5 kg  
 Power supply AC 110 - 240  
 Power consumption 25W  
 Operation temperature 0 to +55 °C  
 Accessories 1 x AC power lead



● **Sample Configuration**

