

DT-IPTV-QAM-ASI-8HCW

8 Input HD Digital Encoder-Modulator



The DT-IPTV-QAM-ASI-8HCW Encoder/Modulators simultaneously provide an RF QAM, ASI, and multicast/unicast IP output making it a perfect fit for commercial RF/IP distributions. This 8 input unit delivers high quality HD video via its 4 QAM256 RF carriers or 8 individual SPTS IP streams. Robust design allows for resolutions up to 1080p for action-packed movies and fast action sports to any HDTV. A Web browser GUI allows for easy control of all 8 HDMI or Component/Composite inputs via DIN cable encoded/modulated on RF/IP carriers in MPEG-2 or H.264 format.

Key Features

- 4 Frequency Independent QAM outputs (2 video channels per QAM)
- High Resolution up to 1080i/1080p
- 3 VCN Modes
- GUI for easy setup and control
- HDMI, Component / Composite via DIN cable
- Up to 8 selectable SPTS IP Streams
- Up to 8 selectable ASI Streams with MPTS output
- MPEG2 or H.264 (AVC) Video (Selectable) Output
- > +41dB MER, 44dB Typical
- Closed Captioning Support
- 38 dBmV Output
- Rack mountable 1RU height

Package Contains

- DT-IPTV-QAM-ASI-8HCW Encoder / Modulator
- One power cable
- 9 DIN to RCA Breakout cables
- 8 HDMI cables
- One installation / configuration manual

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8 Input HD Digital Encoder-Modulator

Video/Audio Input	
HDMI	
Connectors	8 x HDMI
Audio	Embedded PCM/ Dolby Digital Pass Through
Component/Composite	
Connectors	8 Sets of Mini DIN to 6x RCA (Y, Pb, Pr) or (Video, Audio L & R) 2. to Mini DIN?
Audio	Analog
EAS	
Connectors	Composite (Video, Audio L & R) from Mini DIN to 6x RCA Cable
Trigger Mechanism	5-12 VDC & Dry Contact Closure (Terminal Strip)

Output	
QAM	
Connector	1x "F" Female
Modulation	256-QAM
Standard	J.83 Annex B
Frequency Range	57 to 861 MHz (Under STD Mode) 4 Independent RF Frequencies
Channels' Bandwidth	6 MHz
Output Level	40dBmV (+/- 1dBmV) Typical
Output Impedance	75 ohm
Level Adjustment	0 to -20 dB
VCN	Auto (Major & Minor)/Manual (Major & Minor) /Manual (1 Part)
Carrier Suppression	55 dB
RF Output Return Loss	10 dB Typical
Signal-to-Noise Ratio	42 dB Typical
MER	40dB Typical
ASI	
Connector	Single Connector, 8 Contents in MPTS
Modulation	DVB-ASI
Standard	ETSI EN 50083-9
GigE	
Connector	Dual RJ-45
Standard	Web Management 100Base-T Ethernet, Full Duplex IP Streaming Output 1000Base-T Ethernet, Full Duplex
UDP/RTP	MPEG-TS over UDP / RTP Unicast and Multicast, 8 Separate SPTS

Video/Audio Encoding Profile	
Video	
Video Codecs MPEG-2	MP@HL
Resolution	1080p (H.264 Only)/ 1080i/720p/480p/576i/480i
Video Codecs H.264 (HD)	> 1080p30, HP@Level 4.2 ≤1080p30, HP@Level 4 >720p30, HP@Level 3.2 ≤720p30, HP@Level 3.1
Video Codecs H.264 (SD)	Frame Rate> 30, MP@Level 3.1/ ≤30, Level 3
Aspect Ratio	4:3 & 16:9
Video Bitrate (Bitrate Adjustable)	MPEG-2 HD:10.0Mbps - 20.0Mbps/ MPEG-2 SD 2.0 Mbps - 8.0 Mbps/ H.264 HD: 2.0Mbps - 10.0Mbps/ H.264 SD: 1.0Mbps - 4.0Mbps
Audio	
Audio Codecs	MPEG-2 Layer II/AAC/AC-3 Pass Through/AC-3 Encode
Closed Captioning	
Mini DIN to 6x RCA (Y,Pb, Pr; Y, L, R)	EIA-608; 1x RCA (cc)
Mini DIN to Mini DIN with 1x RCA (Y)	EIA-608; 1x RCA (cc)

General	
Forensic Watermarking	Capable for users to key in 64 Alphanumeric Characters (Model Name with Suffix "W")
Local Monitoring	8 Input Status LEDs /Single Power LED
Browsers Supported	Firefox, Chrome
Password Protected	GUI: Changeable
Fan Cooled	Internal
Power Supply	12VDC 5.4 Amp.
Consumption	Quad: 30W/Octo: 50W Typical
Weight	11.3 lbs. (5.12 kg)
Dimensions	1RU, Housing: 17.24"x 11.25" x 1.74". 438mm x 286mm x 44.20mm
Language	English
Warranty	1-Year Limited Warranty