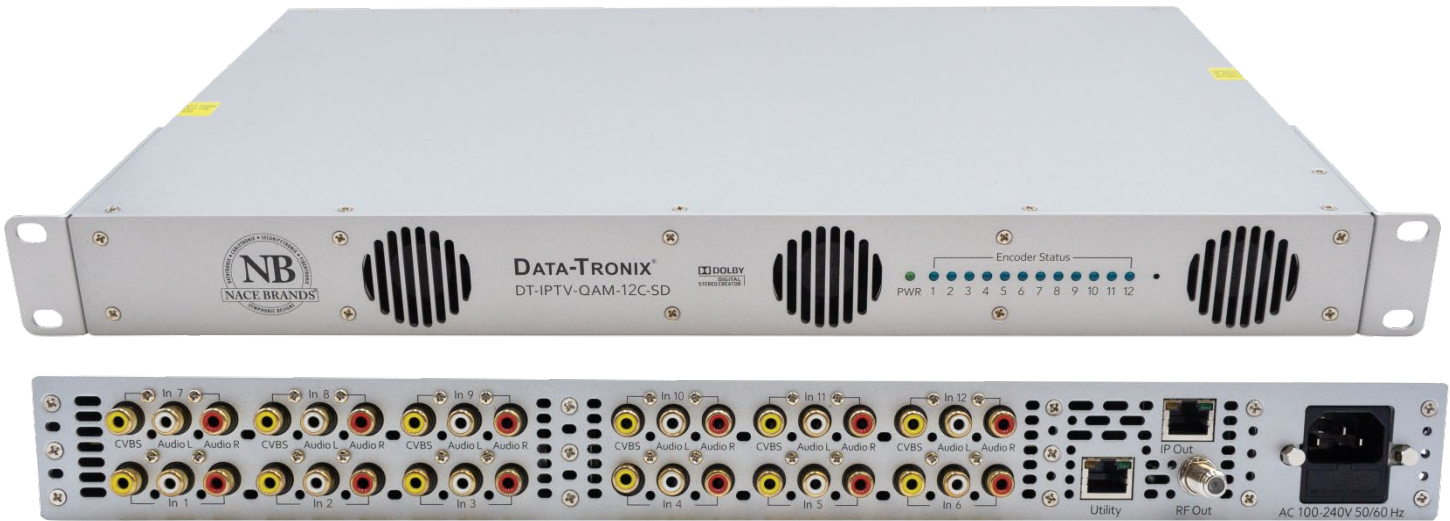


DT-IPTV-QAM-12C-SD

12-Channel Audio/Video to SD Digital Encoder / Modulator with Simultaneous QAM and IP Outputs



Description:

The DT-IPTV-QAM-12C-SD encodes and modulates 12 Composite video and audio SD sources to a QAM output along with 12 unicast or multicast IP streams used to insert standard-definition digital video programming into any commercial RF or IP system. The DT-IPTV-QAM-12C-SD Encoder/Modulator is perfect for properties that need an affordable way to distribute video content to a large number of displays. Ideal applications include hotels, restaurants, sports bars, fitness centers, schools and institutions. Multiple units can be stacked to create a headend that will support up to 110 channels on an RF distribution network. This space saving design delivers up to 12 Standard Definition QAM channels in a single 1RU space.

Features:

- 4 Frequency independent QAM outputs (3 video programs per QAM)
- 12 Unicast/Multicast SPTS streams
- Simultaneous QAM and IP outputs
- 3 VCN (Virtual Channel Number) modes
- Easy setup and control using a standard web browser
- MPEG-2 or H.264 (AVC) Video (selectable) output
- 39dB typical MER

Package Contains:

- DT-IPTV-QAM-12C-SD Encoder/Modulator
- One power cable
- One User Guide and installation manual (An electronic manual will be supplied upon request)

SPECIFICATIONS:

Video / Audio Input	
Composite	
Video	12 RCA Jacks
Audio	12 Pair of RCA Jacks
Video/ Audio Encoding Profile	
Video	
Video Codecs	MPEG-2 CBR / H.264 CBR
Bitrate(Adjustable)	SD: 1.0 to 8.0Mbps
Resolution Output	576i / 480i
Audio	
Audio Codecs	MPEG1 Layer II/ MPEG2 AAC/ MPEG4 AAC /AC-3 Encode
Closed Caption	
Composite	EIA-608
General	
Local Monitoring	13 LEDs
Web GUI Supported	Firefox, Chrome
Password Protected	GUI: With Default and User Settable
Power Supply	12VDC 5.42A
Consumption	32W
Operation Temperature	32°F to +131°C 0°C to +55°C
Storage Temperature	-4°F to +158°F -20°C to +70°C
Dimension	Housing: L x W x H 17.24" x 11.25" x 1.74" 438mm x 286mm x 44.4mm
Weight	9.7 lbs.
Language	English

Output	
QAM	
Output Connection	1x "F" Female
QAM	4 Independent QAM-B
Standard	J.83 Annex B
RF Mode	Normal/Inverted
Channel Type	J.83B: STD/HRC/IRC
Interleaver	I=128, J=1~8/I=64, J=2/I=32, J=4/I=16, J=8 /I=8, J=16
Frequency Range (Under STD Mode)	57.000 MHz to 861.000MHz (Ch. 2 to Ch.135)
Constellation (Output Bitrate, Max)	64-QAM (26.970Mbps)/ 256-QAM (38.810Mbps)
Virtual Channel Number (VCN)	Auto (Major & Minor)/ Manual (Major & Minor)/ Manual (One Part)
Level Adjustment	0 to 20 dB
Output Level	43 dBmV Typical
Flatness Across Full Band	± 2 dB Typical
MER	39dB Typical @ 663.0000 MHz under J.83 Annex B STD Mode
Output Impedance	75 ohm
RF Output Return Loss	10 dB Typical
IP Streaming Protocol	
Number of Streams	12 SPTS
UDP/RTP	Unicast / Multicast
Standard	Web Management 100Base-T Ethernet, Full Duplex IP Streaming Output 1000Base-T Ethernet, Full Duplex