

# DT-IPTV-QAM-12C-SD



## 12 input digital encoder with QAM and IP output

Encode and modulate 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.

- 3 VCN (Virtual Channel Number) modes
- Easy setup and control using a standard web browser
- 12 individual sets of RCA inputs, no adapters required
- Simultaneous QAM and IP outputs
- 4 frequency independent QAM outputs
- 12 Unicast/Multicast SPTS streams

### Ideal Applications:



Hotels



Restaurants



Sports Bars



Fitness Centers



Schools



Institutions

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. Multiple units can be stacked to create a headend that will support up to 110 channels on an RF distribution network.



[nace.tv/dt-iptv12](http://nace.tv/dt-iptv12)

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- ▶ PRE-SALES AND POST-SALES SUPPORT
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## SPECIFICATIONS:

Video / Audio Input	
<b>Composite</b>	
Video	12 RCA jacks
Audio	12 Pair of RCA jacks
Video/ Audio Encoding Profile	
<b>Video</b>	
Video Codecs	MPEG-2 CBR/H.264 CBR
Bitrate(Adjustable)	SD: 1.0 to 8.0 Mbps
Resolution Output	576i / 480i
<b>Audio</b>	
Audio Codecs	MPEG1 Layer II MPEG2 AAC MPEG4 AAC /AC-3 encode
<b>Closed Caption</b>	
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
Dimensions	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	
<b>QAM</b>	
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 861.000 MHz (Ch. 2 to Ch.135)
Constellation (Output Bitrate, Max)	64-QAM (26.970 Mbps) 256-QAM (38.810 Mbps)
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
<b>IP Streaming Protocol</b>	
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