

NXG-32CH-QM

32 Channel QAM Output Module

Key Features



- » Reliable, secure HD programming
- » Up to 3 audio streams; up to 11 extra PIDs per program
- » Configurable with both HD and SD programming
- » Ability to change PSIP information
- » Provides fully independent QAM channels
(no QAM channel blocks)
- » Supports MPEG-2 and H.264 video
- » Multiplexes SPTS programs to MPTS for QAM output

Product Overview

The **NXG-32CH-QM (QAM Output Module)** is a multi-channel QAM modulator that provides up to 32 QAM 256 channels. All 32 output channels are fully agile from 54 to 1002 MHz, with the requirement that all channels must be within a 768 MHz frequency span.

Each program can be configured to support a customized channel lineup for desired locations.

Ordering Information

Model	Stock #	Description
NXG-32CH-QM	6785	QAM Output Module; 32 Agile QAM Carriers

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Specifications

Input		Output	
Bandwidth:	2.2 Gb transport streams from the NXG Mainframe Backplane	QAM	
Alarms & Monitoring		Connector:	1x "F" Female (Front-panel; for combined output)
Front Panel:	1x Status LED (Green)	Modulation:	QAM 256
Monitor Output:	RF Out Test (-20 dB) connector	Standards:	ITU-T J.83; Annex A and B
		DVB Symbol Rate:	Variable; ≤ 7 MSymbol/sec (MBaud)
		Frequency Range:	54 to 1002 MHz (all Ch.'s ≤ 768 MHz)
		Tuning:	CATV Channel Selectable (Ch. 2 - 158)
		RF Level:	+45 dBmV (per channel)
		Output Level Range:	30 to 45 dBmV (all configured channels)
		Freq. Tolerance:	± 0.5 kHz @ 77 °F (25 °C)
		Freq. Stability:	± 5 kHz over 32 to 122 °F (0 to 50 °C)
		Amplitude Flatness:	± 0.25 dB (over 6 MHz channel)
		Phase Noise:	-98 dBc (@ 10 kHz)
		Spurious:	-60 dBc
		Impedance:	75 Ω
		Return Loss:	14 dB typical
		SNR:	40 dB typical
		MER:	39 dB typical
		I/Q Phase Error:	Less than 1 degree
		I/Q Amplitude Imbalance:	Less than 1%
		General	
		Dimensions (W x D x H):	1.15 x 15.5 x 7.0 in. (29 x 394 x 178 mm)
		Power:	Via NXG Mainframe Backplane
		Power Consumption:	32 W
		Weight:	2.0 lbs (0.9 kg)
		Operating Temp:	32 to 122 °F (0 to 50 °C)
		Storage Temp:	-13 to 158 °F (-25 to 70 °C)
		Operating Humidity:	0 to 95% RH @ 35 °C max, non-condensation

Related Product

Model	Stock #	Description
NXG-QAM32-Proldiom-PT	6785 1	Pro:Idiom Pass-Through Module; 32 Agile QAM Carriers