

NTSC-8

RF Modulator Agile 8 Channel

SATELLITE

VIDEO

The Technicolor NTSC-8 is an eight-channel NTSC RF modulator with combined audio-video decoder for commercial grade headend installations.

■ Intended for satellite installations

The NTSC-8 is intended for commercial grade headend installations based on satellite video distribution.

■ Analog modulation

For properties that cannot make a complete conversion to digital content, the NTSC-8 allows for the COM46 content to be output both in digital format to the QAM as well as an IP output to the NTSC-8 which will provide a NTSC formatted analog output. This replaces any requirement for a stacked receiver solution using mini-mods to duplicate channels for fitness centers or other television sets unable to support HD or SD digital content.

■ Agile modulation

The NTSC-8 provides 8 frequency channels in a single 1RU rack unit from 54 to 702 MHz. It is completely agile for each of the 8 outputs allowing for flexibility in RF plant management.

■ Interoperable with COM2000

The NTSC-8 is interoperable with the COM2000 using the same interface which controls the COM46 and QAM6. It accepts IP packetized transport streams for the video and audio source.

■ Easy output adjustments

Adjustments for RF output level will assist the installation to best format the output video and audio for each individual deployment.

■ Easy management

The NTSC-8 is capable of remote access using a proxy server. The integrated control allows for ease of management and setup.

Features at a Glance

- Adds analog output to COM2000 systems
- Up to 8 channels in 1 rack unit
- No additional COM46 receiver cards needed
- Agile modulation
- Per channel adjustable outputs for attenuation
- Remote management and configuration

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Technical Specifications

RF

■ Output frequency	Channel 2 to channel 108 (54 MHz to 696 MHz)
■ Output power	+25 dBmV \pm 3 dB total power at nominal temperature
■ Spurious output	\leq -50 dBc
■ C/N ratio	\geq 50 dB
■ Output impedance	75 Ω , unbalanced
■ Output return loss	\leq -6 dB
■ Format	NTSC

Video

■ Amplitude frequency response	0 - 3.58 MHz	+2.0/-3.0 dB
	4.2 MHz	+2.0/-10 dB
■ Video SNR	\geq 45 dB	
■ Differential gain	< 10 %	
■ Differential phase	< 8°	
■ Visual/Aural level separation	15 dB +/-2 dB	

Audio

■ Amplitude response	\pm 3 dB 100 Hz - 10 kHz
■ Signal-to-noise ratio (SNR)	\geq 45 dB
■ Total harmonic distortion	\leq 2 %
■ Visual/Aural level separation	15 dBc +/-2 dBc

Interfaces

■ RF	1 female F-type RF connector, external threaded
■ Ethernet	1 10/100/1000 Base-T Ethernet LAN port
■ Power input	1 DC input DIN jack

General Specifications

■ Dimensions (H x W x D)	1.72 x 17.26 x 15.61 in. (43.7 x 438.5 x 396.6 mm)
■ Power supply	24 VDC external PSU
■ PSU input voltage	90 - 115 VAC, 60 Hz
■ Operating temperature	32 - 104 °F (0 - 40 °C)
■ Operating humidity	5 - 95 % HR non-condensing

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