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
## NTSC-8
**RF Modulator Agile 8 Channel**

### Technical Specifications

#### RF
- **Output frequency**: Channel 2 to channel 108 (54 MHz to 696 MHz)
- **Output power**: +25 dBmV ±3 dB total power at nominal temperature
- **Spurious output**: ≤ -50 dBc
- **C/N ratio**: ≥ 50 dB
- **Output impedance**: 75 Ω unbalanced
- **Output return loss**: ≤ -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**: ≥ 45 dB
- **Differential gain**: < 10 %
- **Differential phase**: < 8°
- **Visual/Aural level separation**: 15 dB +/-2 dB

#### Audio
- **Amplitude response**: ±1 dB 100 Hz – 10 kHz
- **Signal-to-noise ratio (SNR)**: ≥ 45 dB
- **Total harmonic distortion**: ≤ 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

---

**SALES CONTACT**

For more information please get in touch with your usual sales representative or use the following email:

mcssales@technicolor.com

---

**TECHNICOLOR MCS**

101, West 103rd Street
Indianapolis, IN 46290 - USA
Tel: +1 (844) 893 2494

www.technicolor.com/mcs