

NXG-CV8 Audio/Video MPEG Transcoder Module



Key Features

- » Transcodes up to 8 streams
- » Transrate from 2 Mbps to 19 Mbps
- » Dolby® Digital Audio Encoder support

Product Overview

The **NXG-CV8** module will transcode up to 8 individual MPEG-2, MPEG-4/H.264, or H.265/HEVC video streams into MPEG-2, MPEG-4, or H.265 video. Input and output resolutions are fully flexible, 480i SD to 1080p30 HD.

The NXG-CV8 will transcode Primary and Secondary Audio from AC3, AAC, MPEG1-Layer2, MP3 to AC3, AAC, MP3, as well as allow Audio pass-through.

The NXG-CV8 includes advanced lip-sync audio processing features for all modes of audio transcoding and pass-through.

Ordering Information

Model	Stock #	Description
NXG-CV8	6774	Audio/Video MPEG Transcoder Module

NXG-CV8 Audio/Video MPEG Transcoder Module

Module Specifications

Input	
UDP	SPTS from NXG Mainframe Backplane
Stream Protocols	
Standard	ISO/IEC 13818-1 Systems
TS Packet Length	188 bytes
Sync Byte	0x47
TS Supported	8 SPTS
Video Format	MPEG-2; H.264 (AVC); H.265 (HEVC)
Video Resolution	480i (60 FPS); 480p (30/60 FPS); 720p (30/60 FPS); 1080i (60 FPS); 1080p (30 FPS)
Closed Captioning	EIA-608/EIA-708
Addressing	Unicast
Audio	
Input Formats	Dolby® AC3, AAC, MP3, MPEG1-Layer2 (Pass-through/Decode only)
SAP	Supported
Audio Bit Rates	64, 96, 112, 128, 160, 192, 224, 256, 320, and 384 Kbps

General	
Dimensions (W x H x D)	1.15 x 15.5 x 7.0 in (29 x 394 x 178 mm)
Power	DC via NXG Mainframe Backplane
Power Consumption	20 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- condensing

Output	
UDP	SPTS to NXG Mainframe Backplane
Stream Protocols	
Standard	ISO/IEC 13818-1 Systems
TS Packet Length	188 bytes
Sync Byte	0x47
Encoding Type	CBR/Capped VBR
Video Data Rates	2 Mbps to 19 Mbps (0.1 Mbps increments)
TS Supported	8 SPTS
Video Format	MPEG-2; H.264 (AVC); H.265 (HEVC)
Video Resolution	480i (60 FPS); 480p (30/60 FPS); 720p (30/60 FPS); 1080i (60 FPS); 1080p (30 FPS)
Closed Captioning	EIA-608/EIA-708
Addressing	Unicast
Audio	
Output Formats	Dolby® AC3, AAC, MP3, MPEG1-Layer2 (Pass-through only)
SAP	Supported
Audio Bit Rates	128, 192, and 256 Kbps

Alarms & Monitoring	
Front Panel	1x Power & Status LED (Bicolor)