



# 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

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

GENERAL	
<b>Dimensions (W x H x D)</b>	1.15 x 7.0 x 15.5 in (29 x 178 x 394 mm)
<b>Weight</b>	2.0 lbs (0.9 kg)
<b>Power</b>	DC via NXG Mainframe Backplane
<b>Power Consumption</b>	20 W
<b>Operating Temp.</b>	32 to 122 °F (0 to 50 °C)
<b>Storage Temp.</b>	-13 to 158 °F (-25 to 70 °C)
<b>Operating Humidity</b>	0 to 95% RH @ 35 °C max, non-condensing

OUTPUT	
<b>UDP</b>	SPTS to NXG Mainframe Backplane
STREAM PROTOCOLS	
<b>Standard</b>	ISO/IEC 13818-1 Systems
<b>TS Packet Length</b>	188 bytes
<b>Sync Byte</b>	0x47
<b>Bit Rate</b>	CBR/Capped VBR
<b>Video Rate</b>	2 to 19 Mbps (0.1 Mbps increments)
<b># of TS Supported</b>	8 SPTS
<b>Video Format</b>	MPEG-2; H.264 (AVC); H.265 (HEVC)
<b>Video Resolution</b>	1080p (29.97, 59.94 FPS); 1080i (59.94 FPS); 720p (29.97, 59.94 FPS); 480p (29.97, 59.94 FPS); 480i (59.94 FPS)
<b>Closed Captioning</b>	EIA-608 / EIA-708
<b>Addressing</b>	Unicast
AUDIO	
<b>Output Formats</b>	Dolby® AC3, AAC, MP3, MPEG1- Layer2 (Pass-through only)
<b>SAP</b>	Supported
<b>Audio Bit Rates</b>	128, 192, and 256 Kbps

ALARMS & MONITORING	
<b>Front Panel</b>	1x Status LED (Bicolor)