

NXG-HDMI4

4 CHANNEL HDMI ENCODER MODULE



KEY FEATURES

- » Encode HDMI sources for custom IP & RF distribution
- » 4 channels of locally sourced content via HDMI input
- » Encoding to H.265 (HEVC), H.264 (AVC), or MPEG-2
- » Dolby® Digital Audio (AC3), AAC, and MP3 support
- » High video encoding quality levels at low bit rates

PRODUCT OVERVIEW

The **NXG-HDMI4** module encodes HDMI inputs for custom IP and RF distribution, supporting the ingest of SD and HD content from source resolutions up to 1080p60.

The H.265 (HEVC), H.264 (AVC), or MPEG-2 encoding formats are supported in all major resolutions from 480i through 1080p60. Output formats are IP/SPTS onto the NXG backplane for further NXG processing, including optional QAM modulation, DRM/CAS, or IPTV multicast/unicast output.

ORDERING INFORMATION



MODEL	STOCK #	DESCRIPTION
NXG-HDMI4	6774 2	4 Channel HDMI Encoder Module

NXG-HDMI4

SPECIFICATIONS



INPUT

Connectors 4x HDMI, "Type A"

Control v1.4, v2.0, v2.0b

VIDEO

Video Resolution 480i (59.94, 60 FPS);
480p (29.97, 30, 59.94, 60 FPS);
720p (29.97, 30, 60 FPS);
1080i (59.94, 60 FPS);
1080p (29.97, 30, 59.94, 60 FPS)

AUDIO

Audio Format PCM Raw
(L-PCM, IEC-60958 @ up to 192 kHz)

Sample Rates
AAC/MPEG 16, 32, 44.1, 48 (kHz)
Dolby Digital AC3 32, 44.1, 48 (kHz)

GENERAL

Dimensions (W x H x D) 1.15 x 7.0 x 15.5 in
(29 x 178 x 394 mm)

Weight 2.0 lbs (0.9 kg)

Power DC via NXG Mainframe Backplane

Power Consumption 20 W

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

TS Format ISO 13818-1 SPTS on UDP/IP

VIDEO

Video Format MPEG-2; H.264 (AVC); H.265 (HEVC)

Video Resolution 1080p (29.97, 30, 59.94, 60 FPS);
1080i (59.94, 60 FPS);
720p (29.97, 30, 59.94, 60 FPS);
480i (29.97, 30, 59.94, 60 FPS)

Video Bitrate 2 Mbps to 19 Mbps
(0.1 Mbps increments)

AUDIO

Audio Format Dolby® AC3, AAC, MP3

Audio Bit Rates 128, 192, 256, 384 Kbps

ALARMS & MONITORING

Front Panel 1x Status LED (Bicolor)