

NeXgen Gateway NXG-HDMI4 4 Channel Video Encoder Module



Blonder Tongue Labs' NXG - HDMI4 is an MPEG Encoder Module occupying 1 slot within the NXG platform chassis. HDMI 4 supports the ingest of SD and HD content from source resolutions up to 1080p60.

MPEG-2, H.264 or H.265/HEVC encoding formats are supported in all major resolutions from 480i through 1080p60. Output formats are IP / SPTS onto the NXG 100% digital IP backplane for further NXG processing, including optional QAM modulation, DRM/CAS, or IPTV multicast/unicast output.

Features

- Encode HDMI sources for custom IP & RF distribution
- 4 channels of locally sourced content via HDMI input
- Encoding to H.265, H.264, or MPEG2
- Dolby Digital Audio support
- High video encoding quality levels at low bit rates

Input Stream Specifications

Input:	4 HDMI Inputs
HDMI Support:	v1.4, v2.0, v2.0b
Video Resolution (fps):	480i, 720p(30/60), 1080i60, 1080p30, 1080p60
Closed Captioning:	EIA 608 Supported
Audio Input Formats:	MPEG-1 Layer2, Dolby AC3, AAC, MP3, or PCM Raw
Sampling AAC/MPEG:	16, 32, 44.1, 48 (kHz)
Dolby Digital AC3:	32, 44.1, 48 (kHz)

Alarms & Monitoring

Front Panel:	1 x Status LED (Green)
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Output Stream Specifications

TS Format:	ISO 13818-1 SPTS on UDP/IP
Video Codecs:	MPEG-2, H.264, H.265/HEVC
Resolutions:	All major res: 480i to 1080p60
Audio Codecs:	Dolby AC3, AAC, MP3
Audio Bit Rates:	64, 96, 128, 192, 256, 384 Kbps
Video Bit Rates:	2 Mb/s to 19 Mb/s

General Specifications

Dimensions:	1.15 x 15.5 x 7.0 inch 29 x 394 x 178 mm
Power:	DC via NXG Backplane
Power Consumption:	20 Watts
Weight:	2.0 lbs., 0.9 kg
Operating Temp:	32 to 122 °F, 0 to 50 °C
Storage Temp:	-12 to 158 °F, -25 to 70 °C
Operating Humidity:	0 to 95% RH @ 35°C max, non-condensing

Ordering Information

Model	Stock #	Description
NXG-HDMI4	6774 2	4 Channel HDMI Encoder Module for NXG Platform