

NXG-SDI4

4 CHANNEL SDI ENCODER MODULE



KEY FEATURES

- » Encode SD-/HD-/3G-SDI sources for custom IP & RF distribution
- » 4 channels of locally sourced content via 4 SDI inputs
- » 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-SDI4** module will encode up to 4 channels in MPEG-2, H.264 (AVC), or H.265 (HEVC) video to IP SPTS onto the NXG mainframe backplane for further NXG processing with optional QAM modulation, DRM/CAS, or IPTV multicast or unicast output.

The **NXG-SDI4** will accept 4 SD-/HD-/3G-SDI input sources. All major resolutions are supported, 480i up to 1080p60. The NXG-SDI4 Encoder will also encode audio to AC3 (Dolby Digital), AAC, and MP3 formats.

ORDERING INFORMATION



MODEL	STOCK #	DESCRIPTION
NXG-SDI4	6734	4 Channel SDI Encoder Module

NXG-SDI4

SPECIFICATIONS



INPUT	
Connectors	4x BNC SDI
SD-SDI	
Bit Rate	270 Mbps
Video Resolution	480i (59.94, 60 FPS);
HD-SDI	
Bit Rate	1.485 & 1.485/1.001 Gbps
Video Resolution	720p (29.97, 30, 59.94, 60 FPS); 1080i (59.94, 60 FPS); 1080p (29.97, 30, 59.94, 60 FPS)
3G-SDI	
Bit Rate	2.97 & 2.97/1.001 Gbps
Video Resolution	1080p (29.97, 30, 59.94, 60 FPS)
Level	A/B
AUDIO	
Input Format	PCM Raw (L-PCM, IEC-60958 @ up to 192 kHz)

ALARMS & MONITORING	
Front Panel	1x Status LED (Bicolor)

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

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