NGS-101

8 channel (HD-)SDI Input Module

Product specifications	**NGS-101**
General specifications	
Inputs	■ 8 x BNC connectors ● SMPTE 292M compliant for HD-SDI ● SMPTE 259M compliant for SDI ■ Input cable equalizer
Pre-processing	■ High-quality deinterlacer ■ Integrated scaler to minimize bandwidth requirements on the network ● YUV 4:2:2 processing ● Low latency ■ HD downscaling
VBI decoding	■ CC-XDS ■ WSS ■ VLI ■ Teletext subtitles ■ VITC ■ Embedded audio
Image analysis	■ Video black, video white, video freeze and video lock detection. ■ The NGS-101 can raise alarms based on user-configurable threshold values.
Encoder system	■ HD input capable JPEG2000 SD encoder targeted at video and high bandwidth compression applications based on wavelet transformation ■ Provides fully compliant code stream generation (Tier1 and Tier2). ■ Non temporal compression for minimal latency ■ Flexibility from lossless to very low bitrate ■ State-of-the-art compression rate, I frame only ■ Tier 2 mechanism allows filtering and transrating without decoding ■ Inherent scaling perfect for display applications
Network interface	■ 2x GbE connections for redundant streaming network connection ■ Multicast streams - IGMP3.0 standards ● High quality video streams (One or multiple RTP/UDP multicast streams to allow bandwidth management) ● Thumbnail video streams ● Audio & metadata streams ● Control data
Power consumption	■ Typical 60 Watt
Dimensions	■ Utilizes one slot in NGC chassis

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