

# NGS-101

8 channel (HD-)SDI Input Module



## Product specifications

## NGS-101

### General specifications

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Inputs	<ul style="list-style-type: none"><li>▪ 8 x BNC connectors<ul style="list-style-type: none"><li>• SMPTE 292M compliant for HD-SDI</li><li>• SMPTE 259M compliant for SDI</li></ul></li><li>▪ Input cable equalizer</li></ul>
Pre-processing	<ul style="list-style-type: none"><li>▪ High-quality deinterlacer</li><li>▪ Integrated scaler to minimize bandwidth requirements on the network<ul style="list-style-type: none"><li>• YUV 4:2:2 processing</li><li>• Low latency</li></ul></li><li>▪ HD downscaling</li></ul>
VBI decoding	<ul style="list-style-type: none"><li>▪ CC-XDS</li><li>▪ WSS</li><li>▪ VLI</li><li>▪ Teletext subtitles</li><li>▪ VITC</li><li>▪ Embedded audio</li></ul>
Image analysis	<ul style="list-style-type: none"><li>▪ Video black, video white, video freeze and video lock detection.</li><li>▪ The NGS-101 can raise alarms based on user-configurable threshold values.</li></ul>
Encoder system	<ul style="list-style-type: none"><li>▪ HD input capable JPEG2000 SD encoder targeted at video and high bandwidth compression applications based on wavelet transformation</li><li>▪ Provides fully compliant code stream generation (Tier1 and Tier2).</li><li>▪ Non temporal compression for minimal latency</li><li>▪ Flexibility from lossless to very low bitrate</li><li>▪ State-of-the-art compression rate, I frame only</li><li>▪ Tier 2 mechanism allows filtering and transrating without decoding</li><li>▪ Inherent scaling perfect for display applications</li></ul>
Network interface	<ul style="list-style-type: none"><li>▪ 2x GbE connections for redundant streaming network connection</li><li>▪ Multicast streams - IGMP3.0 standards<ul style="list-style-type: none"><li>• High quality video streams (One or multiple RTP/UDP multicast streams to allow bandwidth management)</li><li>• Thumbnail video streams</li><li>• Audio &amp; metadata streams</li><li>• Control data</li></ul></li></ul>
Power consumption	<ul style="list-style-type: none"><li>▪ Typical 60 Watt</li></ul>
Dimensions	<ul style="list-style-type: none"><li>▪ Utilizes one slot in NGC chassis</li></ul>

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