

NGS-105

4/8 channel high-resolution graphics input module



- Connectivity: 4 x DVI-D (Dual Link) connectors or 8 x Type A HDMI connectors
- 1 x GbE connections as service management connection
- 2 x GbE connections as redundant network connection with in-band management
- Designed with: Hot-swappable, front-accessible processing board
- Hot-swappable, front-accessible processing board Rear-accessible passive connection board
- Rear-accessible passive connection board Fits into Barco's NGC chassis
- Fits into Barco's NGC chassis

Product specifications

NGS-105

General specifications

Inputs	<ul style="list-style-type: none">Only RGB (24-bit processing) signals are supported (No HDCP support on HDMI input)Input cable equalizer
Resolutions and frame rates	<ul style="list-style-type: none">Up to WUXGA (1920x1200) for HDMI or DVI single link input, DDCUp to WQXGA (2560x1600) for DVI dual link input, DDC60fps supported up to UXGA (1600x1200). Higher resolutions are only supported at lower frame rates.Resource spending depends on the used resolution, number of inputs and frame rate.
Pre-processing	<ul style="list-style-type: none">Progressive scan type
Alarm handling	<ul style="list-style-type: none">The NGS-105 can raise alarms based on video lock detection.
Encoder system	<ul style="list-style-type: none">JPEG2000 encoder targeted at video, and high-bandwidth compression applications based on wavelet transformationProvides fully compliant code stream generation (Tier1 and Tier2).Non temporal compression for minimal latencyFlexibility from lossless to very low bit rate per sourceState-of-the-art compression rate, I frame onlyTier 2 mechanism allows filtering and transrating without decodingInherent scaling perfect for display applications
Network interface	<ul style="list-style-type: none">2x GbE connections as redundant streaming network connection1x GbE connection as service connectionMulticast streams – IGMP3.0 standards
Power consumption	<ul style="list-style-type: none">Typical 50 Watt
Dimensions	<ul style="list-style-type: none">Utilizes one slot of Barco's NGC chassis
System support	<ul style="list-style-type: none">NGS-105 is supported by Barco's Networked Broadcast Monitoring System (NBMS) and Barco's TransformN (TFN) solution.Software integration into Barco's Broadcast Monitoring Suite (BMS) and Barco's Control room Management Suite (CMS)Inputs can be visualized at any network point using either software decoding or hardware decoding.

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