

NGS-107

GPIO module



As part of the Networked Broadcast Monitoring System the NGS-107 provides a contact closure interface to legacy and third party equipment. It allows seamless integration of the Networked Broadcast Monitoring System into the control room operational environment.

- 40 general purpose inputs
- 32 configurable general purpose inputs/outputs
- Galvanic isolation
- Detachable connectors for easy wiring
- 3 high-density Weidmüller connectors
- 2 GbE connections for redundant network connection
- Designed with
 - Hot-swappable, front-accessible processing board
 - Rear-accessible passive connection board
 - Fits in NGC-110 chassis

Technical specifications NGS-107

Inputs and outputs

- Isolated inputs
- 40 GPI +32 configurable GPI/O
- Each group of 4 x GPI or 4 x GPIO has shared common ground

Connectivity

- 3 high-density Weidmüller connectors with detachable tension clamp connection technique for conductor cross sections up to 1 mm²

GPIO specifications

- Threshold logic levels for fixed GPI
 - High Input Threshold is > 3.15V
 - Low Input Threshold is < 1.65V
- Threshold logic levels for reconfigurable GPIO
 - High Input Threshold is > 3.15V
 - Low Input Threshold is < 1.65V
 - High Output voltage is > 4.5V @nd < 5.5V
 - Low Output voltage is < 400 mV
- Voltage limitations for fixed GPI
 - $V_{Inmax} = 5.5V$
- Voltage limitations for reconfigurable GPIO
 - $V_{Inmax} = 5.5V$
- Current consumptions for fixed GPIO
 - $I_{In} = 10\mu A$
- Current limitations for reconfigurable GPIO $I_{In} = 2.5mA$
 - $I_{Outmax} = 30mA$
 - $I_{Inmax} = 2.5mA$

Network interface

- 2 GbE connections for redundant streaming network connection
- Multicast streams – IGMP3.0 standards
- Metadata streams
- Control data

Power consumption

- Typical 30 Watt

Dimensions

- Utilizes one slot in an NGC chassis

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Barco is an ISO 9001 registered company.
Technical specifications are subject to change without prior notice.
The latest version of this product sheet can be found on www.barco.com

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