

NGH-001 & NGH-002



Display controller for Networked Broadcast Monitoring System

The NGH-001 and NGH-002 display controllers retrieve video and metadata streams from the network, combining the decoded information into a single composed overview with an appropriate size for the display being used. Part of the Networked Broadcast Monitoring System, the NGH-001 and NGH-002 can be equipped with a variable number of Streaming Video Cards to provide scalability of the decoding capacity in function of the number of video sources that need to be displayed.

High-end graphical control unit

- Displays up to 40 video pictures on one screen with NGH-001 and up to 2 x 12 video pictures on two screens with NGH-002
- Can scale all images up to the full output resolution ranging from SVGA up to UXGA/HD (1920x1080 pixels)
- Features unlimited picture-in-picture
- Supports display of embedded audio for all SDI and HD-SDI video channels
- Integrated warning and alarm handling, display of computer data, clocks, animated logos, counters, source identifications

Fully integrated – yet flexible – solution

- Ensures full control over each windowing position, size and content of the sources displayed
- Controlled via a web-browser management application
- Allows to configure, store, retrieve and switch layouts
- Connects to any display device currently available e.g. CRT monitors, flat screens, rear projection modules, plasma displays etc. in 4:3 and 16:9 aspect ratio
- Communicates and exchanges information towards network management systems via SNMP traps
- Integrates with Barco's Transform series of controllers and most common routing switchers, control devices, other external devices over the LAN or through serial communication

BARCO

Visibly yours

Technical specifications NGH-001 & NGH-002

Base unit

NGH-001 includes:

- Pentium based Single Board Computer and graphical overlay board
- High-performance 48 bit 65 MHz dedicated graphical bus
- LAN interface 10/100 base-T
- RS-232/RS-422
- CD-ROM drive
- PS-2 mouse/keyboard port
- Digital DVI input for external graphical overlay
- Analog black-burst input for genlock
- LTC/VITC input for master clock synchronization
- 11 free slots for input/output board

NGH-002 includes:

- Dual Pentium-based Single Board Computer and dual graphical overlay board
- Dual high-performance 48 bit 65 MHz dedicated graphical bus
- Dual LAN interface 10/100 base-T
- Dual RS-232/RS-422
- Dual CD-ROM drive
- Dual PS-2 mouse/keyboard port
- 2 x 4 free slots for input/output board
- Dual digital DVI input for external graphical overlay
- Dual analog black-burst input for genlock
- Dual LTC/VITC input for master clock synchronization

Output Cards

DVI-DVI output card

- Connects the NGH-001 and NGH-002 to the display device
- 2x DVI-D connectors
- Supports digital output
- Up to HD (1920 x 1080) resolution
- Output refresh rate can be genlocked to 50/60 Hz black-burst

NG streaming video card

- 4 channel JP2K decoder card
- Redundant gigabit Ethernet connections
- Capable of decoding up to 4 JPEG-2000 streams from the network

Dimensions

	NGH-001	NGH-002
• Number of slots for in and output boards	11	2 x 4
• 19" industrial case, height in rack units	4U	4U
• Width case	440 mm 17.32"	440 mm 17.32"
• Width	483 mm 19"	483 mm 19"
• Depth case	540 mm 21.30"	540 mm 21.30"
• Depth handles	50 mm 1.90"	50 mm 1.90"
• Height	177 mm 6.97"	177 mm 6.97"

Weight

• Base unit	20 kg 44 lbs	21 kg 46.2 lbs
-------------	----------------	------------------

Mains

• Number of power supplies (hot-swap, redundant)	3	3
• Number of power leads	3	3
• Power supply	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
• Power consumption (typical)	450W	450W
• Heat dissipation (typical)	1550 BTU/h	1550 BTU/h

Approvals

• Regulation compliance	CE & ETL	CE & ETL
-------------------------	----------	----------

Ref. no. R599153 June 2007

Barco Control Rooms is an ISO 9001 registered company. The information and data given are typical for the equipment described. However any individual item is subject to change without any notice. The latest version of this product sheet can be found on www.barco.com

Barco Belgium
Noordlaan 5, 8520 Kuurne
Phone (32) (56) 368211
E-mail sales.controlrooms@barco.com

Germany Phone (49) (721) 62010
USA Phone (1) (678) 4758000
Brazil Phone (55) (11) 38421656
Japan Phone (81) (3) 57628720
Hong Kong Phone (852) 23970752

BARCO

Visibly yours