TransForm NSD

Easy to use compact hybrid video wall controller

Barco's TransForm NSD is a hybrid video wall controller perfectly suited for monitoring both baseband and networked video sources purposes. It enables customers to capture sources (networked sources, local DVI/RGB inputs and analog video inputs) from anywhere and display them on a video wall in combination with high resolution 3D images. The TransForm NSD can be integrated as part of a larger TransForm N solution, where it takes the function of a multimedia terminal.

Improve decision-making

A fully qualified platform for Barco's advanced CMS control room management software, TransForm NSD allows to organize display content (including 3D accelerated content) in a smart way to enhance knowledge and improve decision-making.

Possibility to integrate into networked visualization system

TransForm NSD can be used as a multimedia terminal within a networked visualization system, capable of controlling multiple video walls. This offers customers a complete overview of data, while providing them with interaction and collaboration possibilities. As such, information can be shared between multiple sites, making crucial information omnipresent throughout your organization and beyond.

Features:

- Pre-installed CMS control room management software

- Large Windows 7 desktop

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- High-end 3D graphics acceleration

- Up to 24 HD outputs through Barco's OL and OV video walls

- High input density

- Universal IP streaming video decoding

- Baseband capture cards for analog video and DVI/RGB inputs

- Local application support

- Dual quad-core Intel Xeon processors for concurrent application
  processing and software based media decoding

General specifications

Platforms	NGP-324
Form factor	4U housing for 19" rack
Output	Up to 8 HD displays through DCB-110 DVI splitcard Up to 24 HD displays through multiple GPUs and Barco loop-through displays (OV and OL series) (Limited by the max. horizontal and vertical resolutions of 4000 pixels per output)
Input	2x 16 channel analog video input cards (see configurations) 2x 2 channel DVI-I input card (supporting resolutions up to 1920x1200) Up to 24 IP video sources (SD)
Graphics card	High-performance NVIDIA Quadro series cards
Processor	2x Xeon Quad core
Memory	12 GByte RAM
Redundancy	Redundant package. Raid-1(Redundant Harddisk) + Red.PSU (Redundant Power supply)
OS	Windows-7 64bit Ultimate Version
Software	CMS with 1x Display, 5x Sidebar and 36 Viewer licenses.
Power supply	100-240V, 50/60Hz
Operating conditions	0°C–35°C
Configurations	Configuration 0 1 2 3 Outputs 8xHD * 8xHD ** 16xHD ** 24xHD ** DVI in 4 4 4 4 Video in 32 32 16 16 IP streams in 24 24 16 16 Max # insertions 36 36 16 16 Rack size 4U 4U 4U 4U Target market All All U&P U&P *) No loopthrough, limited by the max. horizontal and vertical resolutions of 4000 pixels per output. **) Loopthrough, limited by the max. horizontal and vertical resolutions of 4000 pixels per output. Larger size walls possible with different controller type.

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