TransForm NSD-410

Single Display video wall controller

TransForm NSD-410 is a compact video wall controller perfectly suited for monitoring both baseband and networked video sources. It enables customers to capture sources (networked sources, local DVI/RGB inputs, and analog video inputs) from anywhere, and display them with high resolution 3D images on a video wall in combination. The flexibly configurable TransForm NSD-410 can either be used as a standalone video wall controller, powered by Barco's CMS control room management software, or act as a perfectly integrated display node for a video wall in a networked TransForm N solution.

As a fully qualified platform for Barco's advanced CMS control room management system, TransForm NSD 410 allows organizing display content (including 3D-accelerated) in a smart way to enhance awareness and improve decision-making.

Possibility to integrate into networked visualization system

TransForm NSD-410 can be used as a display controller running all types of Windows 10 or Windows 7 based local applications and at the same time being part of a TransForm N networked visualization system, capable of controlling multiple video walls. This offers customers a complete data overview, 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.

Available configurations

TransForm NSD-410 is available in several types of freely configured and pre-configured configurations:

PRODUCT SPECIFICATIONS	TRANSFORM NSD-410
Processor	Intel(R) Core(TM) i7 Hex core processor 3.3GHz (3.6GHz max. Turbo frequency)
Memory	16/32/64 GB RAM
Hard disk	Raid-1 redundant setup with either 2x 1000 GB HDD Harddisk drive, or 2x 480 GB Solid-State drive (SSD)
Operating system	Windows 10 64-bit IoT Enterprise (standard) Windows 7 64-bit Ultimate (optional)
Optical drive	DVD R/W
Software	CMS with 1x Display, 5x Sidebar and 36 Viewer licenses
Network	2x 1Gb/s LAN
Graphics card	Up to 3x 4-channel high-performance professional NVIDIA Quadro-series cards
Output	Up to 12 4K-UHD displays Up to 48 HD displays with Barco loop-through displays
Input	Up to 6x 4ch DVI-I input card (supporting resolutions up to 1920x1200 @60Hz) Up to 6x 1ch DVID input card (supporting resolutions up to 2560x1600 @60Hz) Up to 6x 2ch DP1.2 input cards (supporting resolutions up to 3840x2160 @60Hz) Up to 6x 8 channel analog video input cards
Streaming video standards	H.264, MPEG-2/4, MxPEG, MJPEG, V2D, H.263, VNC, Pro-Server • For all supported codecs see our continuously extended supported encoders reference list • For supported number of sources see VCORE Check tool
Form factor	4U housing for 19" rack
Power supply	800W, 100-240V, 50/60Hz, redundant
Temperature range	0° -40°C | 32° -104°F
Humidity	Max. 80% (non-condensing)
Noise Level	Max. 48dbA (measured at 1m/32.8ft distance at 22°/72
Compliance	CE,CB, IEC 609501, ETL,BIS, FCC Class A Regulatory Model Id: NGP-410
Available models	Freely configurable models R9838410 Configurable options • Standalone Single Display controller with CMS Server pre-installed, or Transform N Single Display Node with CMS client software only • All options configurable Fixed configuration models R983841001 Configuration as a TransForm N Application Node • TransForm N CMS Client package, incl. ProServer installed • Win7 or Win10, HDD 1TB, 16GB • 4x 4K-UHD out R983841002 Entry level Single Display controller configuration • CMS for TransForm NSD • Win 7, HDD 1TB, 32GB • 4x 4K-UHD out, 4x DVI in, 8x AV in R983841005 Entry level Single Display controller configuration • CMS for TransForm NSD • Win 10, HDD 1TB, 32GB • 4x 4K-UHD out, 4x DVI in, 8x AV in

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Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.