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TransForm NSD (3rd generation)

Easy to use compact video wall controller



Barco's TransForm NSD 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 on a video wall in combination with high resolution 3D images. The flexibly configurable TransForm NSD can either be integrated as a perfectly matching output node in a TransForm N solution, or it can be used as a standalone video wall controller (powered by Barco's CMS control room management software).

A fully qualified platform for Barco's advanced CMS control room management software, TransForm NSD 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 can be used as a multimedia terminal within a 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.

BARCO

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Available configurations

TransForm NSD can be used in two types of configurations:

- As a standalone video wall controller, using CMS Control room Management Software
- As an output node, part of an existing TransForm N installation: the CMS Control room Management Software is then running on a separate server, managing all TransForm N components

TransForm NSD can be freely configured, but is also available in a series of pre-configured packages:

- Different combinations of inputs and outputs
- Bundled with an LCD video wall, with all peripherals and cabling for a complete control room in a single package

Available as a control room package

To make the selection simpler, Barco also offers complete packages, containing this controller (with the needed software), and a number of optional components. This includes a tiled LCD video wall, wireless presentation system, and/or free-standing structure. In this way, you can order your complete control room in one complete package.

Product specifications**Transform NSD (3rd generation)**

Platforms	CMS-200
OS	Windows-7 64bit Ultimate Version
Software	Control Room Management Suite CMS
Processor	Intel(R) Core(TM) i7 Quad core 3.6GHz processor
Memory	16/32/64 GB RAM
Hard disk	320GB Raid-1
Optical drive	DVD R/W
Network	2x 1Gb/s LAN
Graphics card	Up to 4x high-performance NVIDIA Quadro-series cards Each card provides 2x QHD outputs
Output	Up to 8 HD displays through DCB-100 DVI splitcard Up to 32 HD displays with multiple Graphic cards and Barco loop-through displays
Input	Up to 4x 2ch DVI-I input card (supporting resolutions up to 1920x1200 @60Hz) Up to 4x 1ch DVID input card (supporting resolutions up to 2560x1600 @60Hz) Up to 4x 8 channel analog video input cards Up to 24 Streaming video IP video sources (see supported codecs list on website)
Performance	350 Vcores
Form factor	4U housing for 19" rack
Power Supply	100-240V, 50/60Hz
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°F)
Regulation Compliance	CE,CB, IEC 60950-1, ETL, FCC Class A

Available models

Freely configurable models

Order no.	Configurable options
R9838400	Standalone system with CMS Server pre-installed, or TransForm N output node with only CMS client software
	16/32/64 GB main memory
	6 free slots available within the limits of the maximum configurations indicated in the table below
	Max. supported configurations
	Outputs Inputs
	8 HD up to 3 cards
	2 QHD up to 5 cards
	4 GHD up to 4 cards
	6 QHD up to 3 cards
	8 QHD up to 2 cards

Fixed configuration models:

Order no.	HD out	QHD out	DVI in	DVI-DL in	AV in
R9838400_A01	8	0	0	0	0
R9838400_A02	8	0	2	0	0
R9838400_A03	8	0	0	0	8
R9838400_A04	8	0	2	0	8
R9838400_A05	8	0	4	0	8
R9838400_A11	0	2	2	0	8
R9838400_A12	0	4	8	0	0

All fixed configuration models come standard with

- 16 GB main memory
- 1 CMS Server pre-installed on the unit
- 1 CMS Display license for the video wall connected to the TransForm NSD
- 3 CMS Sidebar licenses
- 4 CMS Viewer licenses for IP stream plus additional viewer licenses matching the number of DVI and AV inputs

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