

# 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**

Visibly yours

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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)**

<b>Platforms</b>	CMS-200
<b>OS</b>	Windows-7 64bit Ultimate Version
<b>Software</b>	Control Room Management Suite CMS
<b>Processor</b>	Intel(R) Core(TM) i7 Quad core 3.6GHz processor
<b>Memory</b>	16/32/64 GB RAM
<b>Hard disk</b>	320GB Raid-1
<b>Optical drive</b>	DVD R/W
<b>Network</b>	2x 1Gb/s LAN
<b>Graphics card</b>	Up to 4x high-performance NVIDIA Quadro-series cards Each card provides 2x QHD outputs
<b>Output</b>	Up to 8 HD displays through DCB-100 DVI splitcard Up to 32 HD displays with multiple Graphic cards and Barco loop-through displays
<b>Input</b>	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)
<b>Performance</b>	350 Vcores
<b>Form factor</b>	4U housing for 19" rack
<b>Power Supply</b>	100-240V, 50/60Hz
<b>Temperature range</b>	0°-40°C   32°-104°F
<b>Humidity</b>	Max. 80% (non-condensing)
<b>Noise Level</b>	Max. 48dba (measured at 1m/32.8ft distance at 22°/72°F)
<b>Regulation Compliance</b>	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