

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.

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.

- Pre-installed CMS control room management software
- Large Windows 7 desktop
- High-end 3D graphics acceleration
- Up to 32 HD outputs through Barco's OverView OL, OVL and MVD video walls
- High input density
- Universal IP streaming video decoding
- Baseband capture cards for analog video and DVI/RGB inputs
- Local application support
- Intel (R) Core (TM) i7 quad core processor for concurrent application processing and software based media decoding

Product specifications**TRANSFORM NSD (3RD GENERATION)**

General specifications	
Platforms	NGP-400 CMS-200
OS	Windows-7 64bit Ultimate Version
Software	Control Room Management Suite CMS (optional) If selected, the CMS package includes: -1x CMS Server pre-installed on the unit -1x CMS Display License -5x CMS Sidebar Licenses -36 CMS Viewer Licenses
CPU	Intel Core i7 Quad Core Processor
CPU frequency	3.7 GHz (up to 3.9GHz)
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 UHD outputs DVI-DL or Display Port 1.2 models available
Output	Up to 8/16 HD displays (DVI-SL) using 1 or 2 DCB-100 splitcards Up to 32 HD displays (DVI-DL, DP1.2) 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 DVI-DL 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, 800W, redundant
Temperature range	0°-40°C 32°-104°F
Humidity	Max. 80% (non-condensing)
Noise Level	Max. 48dbA (measured at 1m/3.28ft distance at 22°C/72°F)
Regulation Compliance	CE,CB, IEC 60950-1, ETL, FCC Class A, CCC, BIS
Available models	Fixed configuration models DVI (DP1.2 in preparation)

Last updated: 07 Aug 2023

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