

# TransForm NSD-420

Single Display video wall controller



TransForm NSD-420 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, HDMI 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-420 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 420 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-420 can be used as a display controller running all types of Windows 10 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-420 is available in several types of freely configured and pre-configured configurations:



- As a standalone single display video wall controller, running the full CMS Control room Management system in a single box.
- As a Single Display node in a TransForm N installation, running only the client parts of CMS on the NSD-420, and being part of a centrally managed TransForm N installation.
- As an Application Node in a TransForm N installation, where the graphical output of any Windows applications is transferred over the network to TransForm N Display Nodes.
- Preinstalled CMS control room management software
- Large Windows 10 desktop
- High-end 3D graphics acceleration
- Up to 16 4K-UHD outputs
- Suitable for 24/7 operation
- High input density
- Universal IP streaming video decoding
- Baseband capture cards for DisplayPort, DVI/RGB, HDMI and analog video inputs
- Local application support
- Latest Intel (R) Core (TM) i7 hex core processor for concurrent application processing and software based media decoding

**PRODUCT SPECIFICATIONS****TRANSFORM NSD-420**

<b>Processor</b>	Intel(R) Xeon(TM) Processor E5-2620v4 8-core 2.1GHz (max Turbo frequency 3.0GHz)
<b>Memory</b>	32/64/128 GB
<b>Hard disk</b>	2x 480 GB Solid-State Disk SSD (Raid-1), or 2x 1000GB Hard Disk (Raid-1)
<b>Operating system</b>	Windows 10 64-bit IoT Enterprise SAC
<b>Software</b>	Any CMS deployment, CMS Basic pkg is advised for standalone use
<b>Network</b>	2x 1Gb/s LAN
<b>Graphics card</b>	Up to 4 4-channel professional high-performance NVIDIA Quadro-series graphic cards
<b>Output</b>	Up to 16 4K-UHD displays Up to 64 HD displays, using Barco loop-through capable displays
<b>Input</b>	Up to 4x 4ch DVI-I input card (supporting resolutions up to 1920x1200 @60Hz) Up to 5x 2ch DP1.2 input cards (supporting resolutions up to 4096x2160 @60Hz) Up to 5x 8ch AV input cards Up to 4x 4ch HDMI (4xHD) Up to 4x 1ch HDMI (1x4K) (With HDCP support on HDMI inputs)
<b>Streaming video standards</b>	H.264, MPEG2/4, MxPEG, MJPEG, V2D, H.263, VNC, ProServer (with HDCP support on HDMI ports) -For all supported codecs see our continuously extended reference list of supported encoders -For supported number of sources see VCORE Check tool
<b>Form factor</b>	4U 19" Rackmount housing
<b>Dimensions</b>	With handle: 482 mm (W) x 177 mm (H) x 522 mm (D)   18.9 in x 6.9 in x 20.5 in
<b>Weight</b>	19 -27 kg (24 -32 kg incl. packaging), depending on configuration
<b>Power supply</b>	100-240V, 10-5A, 50/60Hz, 2x 800W redundant
<b>Temperature range</b>	0° -35°C   32° -95°F
<b>Humidity</b>	Max. 80% (non-condensing)
<b>Noise Level</b>	Max. 50dba (measured at 1m/32.8ft distance at 22°/72)
<b>Compliance</b>	CE, CB, UL, FCC Class A, BIS, KC, CU-EAC, CCC, DoC, RCM Regulatory Model Name: P420_2
<b>Order Information</b>	R983842000 TransForm NSD-420 Single Display video wall controller (configurable)

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Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.