TransForm NSD-430

Single Display video wall controller



TransForm NSD-430 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 HDMI^{TM} and DP) from anywhere, and display them with high resolution 3D images on a video wall in combination. The flexibly configurable TransForm NSD-430 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-430 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-430 can be used as a display controller running all types of Windows 11 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-430 is available in several types of freely 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-430, 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.
- CMS control room management software
- Large Windows 11 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 and HDMI^{TM}
- Local application support
- Latest Intel (R) Core (TM) Xeon core processor for concurrent application processing and software-based media decoding

Product specifications	TRANSFORM NSD-430
General Specifications	
Memory	32/64/128/256 GB
Network	2x 1Gb/s LAN
Processor	Intel(R) Xeon Silver 4310 12-core processor 2.10 GHz
Hard disk	2x 480 GB Solid-State Disk SSD (Raid-1), or 2x 960 GB Solid-State Disk (Raid-1)
Output	Up to 16 4K-UHD displays Up to 64 HD displays, using Barco loop-through capable displays
Input	Up to 5x 2ch DP1.2 input cards (supporting resolutions up to 4096x2160 @60Hz) Up to 5x 2ch HDMI™ 2.0 (2x4K -HDCP not supported) Up to 4x 4ch HDMI™ 1.4 (4xHD -HDCP not supported) Up to 4x 4ch HDMI™ 1.4 (4xHD -HDCP supported) Up to 4x 1ch HDMI™ 2.0 (1x4K -HDCP supported)
Streaming video standards	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
Form factor	4U 19\" Rackmount housing
Dimensions	Without handle: 482 mm (W) x 177 mm (H) x 472 mm (D) | 19 in x 6.9 in x 18.58 in
Weight	19 -25 kg (without packaging) | 41.89 -55.12 lbs
Temperature range	Operating temperature: 0° -35°C | 32° -95°F Storage temperature: -20° -60°C | -4° -140°F
Humidity	5% -80% (non-condensing)
Noise Level	Max. 49dbA (measured at 1m / 32.8ft distance at 25°C / 77°F)
Compliance	CE, CB, UL, FCC Class A Regulatory Model Name: P430
Order Information	R983843000 -NSD-430 Single Display Controller

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