TransForm N NSD-110

Networked Single Display video wall controller



Barco's TransForm N NSD-110 is a compact and cost-effective video wall controller perfectly suited for visualizing networked video sources next to Windows local based applications. It enables customers to capture networked sources from anywhere and display them on a video wall up to 4 HD.

Flexibly configurable platform

The TransForm N NSD-110 is flexibly configurable and 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 Windows 10 based display node for a video wall in a networked TransForm N solution.

As a fully qualified platform for running Barco's advanced CMS control room management software, TransForm NSD 110 allows organizing display content in a smart way to enhance awareness and improve decision-making.

Possibility to integrate into networked visualization system

TransForm N NSD-110 can be used as a display controller running all types of Windows 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 N NSD-110 can be freely configured and deployed serving multiple use-cases:• 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-110, and



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- CMS License activation ready preinstalled CMS software suite
- Large Windows 10 desktop
- High-end 3D graphics acceleration
- Up to 2 HD or 1 4K-UHD outputs
- Universal IP streaming video decoding
- Local application support
- Intel (R) Core (TM) i7 quad core processor for concurrent application processing and software based media decoding

Product specifications	TRANSFORM N NSD-110
General specifications	
Processor	Intel(R) Core(TM) i7 Quad core CPU 3.4GHz
Memory	16 GB RAM
Hard disk	256 GB Solid-State Disk SSD
Operating system	Windows 10 64-bit IoT Enterprise
Software	Any CMS deployment, CMS Basic is advised for standalone use
Network	2x 1Gb/s LAN
Graphics card	Intel HD Graphics 630 • Up to 2x displays HD 1920x1200 @60Hz • Up to 1x display UHD 3840x2160 @60Hz
Output	2x DisplayPort 1.2 (HDMI via optional Adapter)
Streaming video standards	H.264, MPEG-2/4, MxPEG, MJPEG, V2D, H.263, VNC, Pro-Server • For all supported codecs see our continuously extended supported encoders reference list • For supported number of sources see VCORE Check tool
Form factor	60 x 190 x 190 mm | 2.36 x 7.48 x 7.48 in (Packed: 230 x 260 x 308 mm | 9.06 x 10.24 x 12.13 in)
Weight	2.2 kg (4.5 kg packed)
Power supply	External PSU 150W / 90 – 264 VAC / 47 – 63 Hz
Power consumption	Typ. 83W | max. 110 W
Inrush current limiting	174A @230V / 72.5A @115V
Heat dissipation	283 BTU/h
Temperature range	0° -40° C | 32° -104° F
Humidity	Max. 80% (non-condensing)
Noise Level	Max. 32dbA (measured at 1m/32.8ft distance at 22°/72)
Compliance	CE,CB, UL, FCC Class A (CCC, BIS, CU-EAC contact Barco Sales)
Order Information	R9811009F NSD-110 Single Display Controller (EU Power Cable) R9811009B NSD-110 Single Display Controller (US Power Cable) R9811009G NSD-110 Single Display Controller (UK Power Cable) R9811009I NSD-110 Single Display Controller (CN Power Cable) R9811009X NSD-110 Single Display Controller (C13C14 Power Cable) R9811009 NSD-110 Single Display Controller (No Power Cable included) R9832730 TransForm N CMS Basic License SD (Pkg) R9832702 TransForm N CMS Viewer License R9832699 TransForm N CMS Sidebar License R9832703 TransForm N CMS API License R9832714 TransForm N CMS Localization License
Mounting	R9811098 P110 VESA Mount (for 1x NSD-110 + 1x PSU) R9811099 P110 Rack Mount (for 2x NSD-110 + 2x PSU)

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