

TransForm NDN-210 Pro

Networked Display Node



Barco's TransForm N Networked Display Node is a powerful PC-based networked graphics processor. It is used in the networked visualization environment of a TransForm N system and can display encoded streams coming from the Gbit Ethernet/IP network. H-264, MPEG-4, MPEG-2, MJPEG, V2D and ProServer represent just the top of a long list of supported codecs and streaming formats. Furthermore, the display controller also has a high-end graphics card to perform the rendering operations as are requested by the TransForm N management clients in the network.

High density content – Large display walls

The NDN-210 Pro Output nodes can display high density content and can drive up to sixteen HD displays with a single node. The unit supports multiple different types of displays including the whole range of Barco display solutions like RPC, LCD & LED. Managed by CMS inside the TransForm N system multiple NDN-210 Pro output nodes can be combined in a wall-cluster to show a composed synchronized picture on display walls of virtually unlimited size. The NDN-210 Pro offers a dedicated sync-cable based full frame-lock synchronization between up to 30 nodes suiting the needs of video-walls with advanced synchronization requirements.

Features:

- 4 DisplayPort 1.2 outputs
- Up to 4K-UHD resolution per output
- Universal IP video streaming decoding

- Most extensive list of supported codecs and formats
- Dedicated cable enabled frame lock between multiple display nodes supporting the possibility to cluster up to 30 display nodes together driving a single wall fully synchronized
- Redundant network interface
- Silent operation in a compact and flexible form factor
- Mature Barco quality, robust and reliable

Product specifications**TRANSFORM NDN-210 PRO**

| General specifications | |
|------------------------|--|
| Memory | 4 GB |
| Disk drive | 128 GB Solid-State Disk SSD |
| Network | 2x 1Gb/s LAN |
| Graphics card | Professional high-performance NVIDIA Quadro-series graphic card |
| Processor | Intel(R) Core(TM) i7 Quad core processor 3.2GHz (4.0GHz max. Turbo frequency) |
| Output | 4x Display Port 1.2 (supporting up to 4x 4K-UHD) 4x DVI-SL via included adapters (supporting up to 4x HD) |
| Input | H.264, MPEG-2/4, MxPEG, MJPEG, V2D, H.263, VNC, Pro-Server (see supported codec list) |
| Form factor | 3U ½ 19" Rackmount housing |
| Dimensions | 133mm x 220mm x 300mm 5.24in x 8.66in x 11.81in |
| Power supply | 100-240V, 5-3A, 50/60Hz |
| Power consumption | Typ. 124W max. 270W |
| Temperature range | 0° -40°C 32° -104°F |
| Humidity | Max. 80% (noncondensing) |
| Noise Level | Max. 36dba (measured at 1m/32.8ft distance at 22°/72) |
| Compliance | CE, CB, IEC 609501, ETL, FCC Class A Regulatory Model Id: NGP-210 |
| Order Information | R9821000B NDN-210 PRO Display Node (US) R9821000F NDN-210 PRO Display Node (EU) R9821000G NDN-210 PRO Display Node (UK) R9821000X NDN-210 PRO Display Node (C13/C14) R9821099 Rackmount Kit for 2x NGP-210 R766042 Pedestal mount kit for NGP-210 |

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