

# TransForm NGX-400

Powerful X.11 display controller driving up to 32 HD outputs



- **Native X-Server technology**
- **Transparent , unrestricted use of the entire video wall for X-applications**
- **Barco-unique Multicursor Extension**
- **Up to 32 HD outputs through Barco's OverView OL, OVL video walls**

Barco's Transform NGX-400 Display Controller is the powerful video wall controller, which is perfectly suited for driving video walls up to 32 HD displays.

Based on Linux OS and native X-Server technology, the design of the system consequently eliminates any incompatibility or performance issues of emulation systems, and makes the system a perfect display controller for all types of X.11 clients and applications.

#### **Mature and hassle-free, with unique X.11 extensions**

On top of the standard X.11 functionality the system excels with functional extensions like Barco's unique Multi Cursor extension XMC for supporting multiple operators on a single wall, and IP stream decoding for displaying streaming IP videos (h.264, mpeg4, mpeg2) and network-streamed desktop content using Barco's ProServer functionality on the video wall. The mature and ruggedized design of the system ensures hassle-free installation and 24/7 operation.

#### **Features:**

- Native X-Server technology
- Transparent, unrestricted use of the entire video wall for X-applications
- Barco-unique Multicursor Extension
- Up to 32 HD outputs through Barco's OverView OL, OVL video walls
- Universal IP streaming video decoding
- Intel (R) Core (TM) i7 quad core processor for concurrent application processing and software based media decoding
- Easy to set-up and operate
- Robust and reliable
- Mature technology

**Product specifications****TRANSFORM NGX-400****General specifications**

Platforms	NGP-400	
OS	Linux	
Software	Native X11R7 Server	
CPU	Intel Core i7 Quad Core Processor / optional Intel Xeon Quad Core Processor	
CPU frequency	3.7 GHz (up to 3.9GHz) / 2.8 GHz for Intel Xeon	
Memory	4 GB RAM	
Hard disk	60 GB Solid-State Disk SSD	
Optical drive	DVD R/W	
Network	2x 1Gb/s LAN	
Graphics card	Up to 4x high-performance NVidia Quadro-series cards (up to 8x UHD outputs) or Up to 2x DCB-100 incl. NVidia Quadro-series card(s) (optional alternative)	
Output	Up to 16 HD displays with DCB-100 graphics output Up to 32 HD displays with multiple Graphic cards using Barco loop-through displays	
Input	Up to 24 Streaming video IP video sources H.264, MPEG-4, MPEG-2	
Performance	350 Vcores	
Form factor	4U housing for 19" rack	
Power supply	100-240V, 50/60Hz, 800W, redundant, hotswap	
Power consumption	Max. 690W   typ. depending on configuration	
Temperature range	0°-40°C   32°-104°F	
Humidity	Max. 80% (non-condensing)	
Noise Level	Max. 48dbA (measured at 1m/32.8ft distance at 22°/72)	
Regulation Compliance	CE, CB, IEC 609501, ETL, CCC, BIS, FCC Class A	
Available models	Order No.	NGX-400 display controller
	R9838402	<ul style="list-style-type: none"> <li>■ 2/4/6/8 DVI-DL outputs</li> <li>■ 8/16 DVI-SL outputs</li> <li>■ 0/1/2 additional NIC's</li> </ul>
Licensing	Order No.	
	R9805499	NGX.11 Display Controller Base License (mandatory, 1x per display controller)
	R9805598	NGX.11 XMC Multi Cursor License (optional, 1x per display controller)
	R9805705	NGX.11 IP Stream Decoding License (optional, 1x per source)
	R9805599	NGX.11 Output License (1x per display)

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