

# NGP-224

## Display controller for multi-channel displays



Barco's NGP-224 is a powerful display controller that drives small to medium-sized video walls. The NGP-224 unleashes the extreme power of up to two Quad-Core Intel® Xeon® Nehalem processors, high-end graphics acceleration and best-in-class media decoding capabilities.

### **Extreme performance**

- High-end nVidia Quadro FX graphics acceleration
- Up to 2 XEON E5540 quad-core 2.53 GHz processor for concurrent rendering and software-based media decoding
- Software and/or hardware accelerated decoding using Barco's JP2K media accelerator cards

### **Scalable, fully network centric integration**

- Up to eight displays can be connected to one display controller
- Stackable to build display walls of unlimited size through distributed rendering
- Collaborates perfectly with Barco's CMS control room management

**BARCO**

Visibly yours

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## Display controller for multi-channel displays

software

### **Robustness and reliability**

- 4U 19" rack mounted chassis
- Redundancy options
- Worry-free, Barco-qualified system component

**Product specifications****NGP-224**

<b>General specifications</b>	
<b>Operating system</b>	Barco NGVS + Linux distribution for NGP
<b>Platforms</b>	TransForm N display controller
<b>CPU</b>	1 (max2) XEON E5540 quad-core 2.53 GHz
<b>Cache</b>	8 MB
<b>Memory</b>	4GB (max. 192GB) DIMM DDR3 1066Mhz
<b>Hard disk</b>	500GB SATA 6GB/s
<b>Flash Memory Size</b>	--
<b>RAID</b>	no raid/RAID1
<b>Optical drive</b>	DVD ROM
<b>Network connection</b>	2x1Gb/s LAN
<b>Power Supply</b>	2x650W (100-240V AC, 47/63 Hz)
<b>Keyboard &amp; mouse</b>	No
<b>Weight</b>	20.8 - 25.2kg/45.8lbs - 55.55lbs
<b>Housing</b>	rackmount 4U
<b>Dimensions</b>	430x177x582 mm (16.9x6.97x22.9 inch)
<b>Operating conditions</b>	
<b>Noise Level</b>	max. 48dba (measured 22°C/72 F at 1m/3.28ft distance)
<b>Temperature range</b>	0-40°C   32-104°F
<b>Humidity</b>	max. 80% (non-condensing)
<b>Number of inputs and outputs</b>	
<b>Analog video inputs</b>	--
<b>DL DVI/RGB inputs</b>	--
<b>DL-DVI outputs</b>	2
<b>JP2K inputs</b>	64
<b>SD MPEG2/MPEG4 inputs</b>	--
<b>SL DVI/RGB inputs</b>	--
<b>SL-DVI outputs</b>	2/8