

# TransForm N Output Node with JP2K support

Output component for networked visualization



Barco's TransForm N Output Node with JP2K Support is a powerful PC-based network graphics processor. It is used in networked visualization environments and can display encoded streams coming from a Gbit Ethernet/IP network. The decoding blocks support MPEG-2, MPEG-4 and H-264 software decoding. High accuracy JP2K streams can be decoded by means of the Barco hardware accelerator card. The display controller has a high-end graphics card to perform rendering operations as requested by clients in the network.

Output nodes can display high density content and can drive up to eight displays. The unit supports different types of displays including the whole range of Barco projectors.

Multiple output nodes can be combined to show a composed picture that is frame locked for a synchronous picture on a large display wall.

## Features

- Universal Display Agent
- High-end 3D graphics acceleration
- Universal Decoding Blocks
- Universal IP streaming video decoding
- JP2K hardware accelerated decoding
- Frame lock between multiple output nodes

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# TransForm N Output Node with JP2K support

Output component for networked visualization

- Up to 8 x 1920x1200 displays
- Redundant network interface
- Redundant power supply
- Intel™ processor

## Product specifications

## Transform N Output Node with JP2K support

<b>Form factor</b>	4U housing for 19" rack														
<b>Output</b>	Up to 8 HD displays														
<b>Input</b>	24 V-Cores (see V-Core Table)														
<b>Platforms</b>	NGP-124														
<b>Redundancy</b>	Power supply , 2x 1Gb LAN														
<b>Power Supply</b>	Mains 100-240V, 50 60Hz														
<b>Power consumption</b>	400W														
<b>Dimensions</b>	400 x 177 x 566 mm (17.32 x 6.97 x 22.28 inch)														
<b>Operating temperature</b>	0°C–35°C														
<b>Operating humidity</b>	max. 80% (non-condensing)														
<b>Configurations</b>	<table><thead><tr><th></th><th>2</th><th>4</th><th>8</th></tr></thead><tbody><tr><td>Outputs</td><td>2xHD DVI-I</td><td>4xHD DVI-D</td><td>8xHD DVI-D</td></tr><tr><td>Available V-Cores</td><td>240</td><td>240</td><td>240</td></tr></tbody></table>		2	4	8	Outputs	2xHD DVI-I	4xHD DVI-D	8xHD DVI-D	Available V-Cores	240	240	240		
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<b>V-Core Table</b>	Encoding typeSource descriptionNr. of V-Cores required per sourceMPEG2/MPEG4/H.264Standard definition IP video stream10TFN 4/8/12CH AV IN NODE10High definition IP Video Stream60TFN 1CH DVI IN NODE60ProServer (note 1)TFN CONTENT SERVER XP/WIN760Operator Workstations60VNC (note 1)VNC server machines60JP2KTFN JP 16CH AV IN NODE60TFN JP 4/8/16CH DVI IN NODE240Note1: for average change of 200k pixels@10fps														
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