

TransForm N Output Node

Medium bandwidth networked visualization display controller



Barco's TransForm N Output Node 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. The display controller can software decode a limited number of high accuracy JPEG2000 streams, using a reduced framerate. Furthermore, the display controller also 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
- Frame lock between multiple output nodes
- Up to 8 x 1920x1200 displays
- Redundant network interface
- Redundant power supply

Product specifications**TRANSFORM N OUTPUT NODE**

General specifications				
General	4U Rackmount housing PCI-express based motherboard with Intel CPU Dual port Gb Ethernet controller 4 GB main memory High-performance nVidia Quadro series cards			
Output	Up to 8 HD displays			
Input	24 V-Cores (see V-Core Table)			
Platforms	NGP-124			
Redundancy	Power supply , 2x 1Gb LAN			
Power supply	Mains 100-240V, 50 60Hz			
Power consumption	400W			
Dimensions	400 x 177 x 566 mm (17.32 x 6.97 x 22.28 inch)			
Configurations	2	4	8	
	Outputs	2xHD DVI-I	4xHD DVI-D	8xHD DVI-D
	Available V-Cores	240	240	240
V-Core Table	Encoding type Source description Nr. of V-Cores required per source MPEG2/MPEG4/H.264 Standard definition IP video stream 10 V-Cores per source TFN 4/8/12CH AV IN NODE 10 V-Cores per source High definition IP Video Stream 60 V-Cores per source TFN 1CH DVI IN NODE 60 V-Cores per source ProServer (note 1) TFN CONTENT SERVER XP/WIN7 60 V-Cores per source Operator Workstations 60 V-Cores per source VNC (note 1) VNC server machines 60 V-Cores per source JP2K TFN JP 16CH AV IN NODE 60 V-Cores per source TFN JP 4/8/16CH DVI IN NODE 240 V-Cores per source Note1: for average change of 200k pixels@10fps			
Order Information	Article number	Article description		
	R9899511_H2	TF-N 2-ch output node		
	R9899511_H4	TF-N 4-ch output node		
	R9899511_H8	TF-N 8-ch output node		

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