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

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

Product specifications

TransForm N Output Node

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 typeSource descriptionNr. of V-Cores required per sourceMPEG2/MPEG4/H.264Standard definition IP video stream10 V-Cores per sourceTFN 4/8/12CH AV IN NODE10 V-Cores per sourceHigh definition IP Video Stream60 V-Cores per sourceTFN 1CH DVI IN NODE60 V-Cores per sourceProServer (note 1)TFN CONTENT SERVER XP/WIN760 V-Cores per sourceOperator Workstations60 V-Cores per sourceVNC (note 1)VNC server machines60 V-Cores per sourceJP2KTFN JP 16CH AV IN NODE60 V-Cores per sourceTFN JP 4/8/16CH DVI IN NODE240 V-Cores per sourceNote1: 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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