

TransForm N 4/8/16-channel DVI Input Node

High density multi-channel full framerate DVI encoder



Barco's multi-channel DVI Input Node is a standalone appliance encoding and delivering the applied input signals across Ethernet for decoding and displaying on TransForm N output nodes supporting JP2K decoding.

Features and benefits

- Full 24bits processing, RGB4:4:4 sampling
- Best effort encoding of image with resolutions up to 2560x1600 at 30Hz
- JP2K encoding and multi-stream packetization enable high-end performance resulting in the visualization of up to 64 sources per display
- Intelligent shelf management helps to ensure a high uptime while minimizing noise and safeguarding the system
- Dual gigabit/s Ethernet interfaces allow deployment with redundant networks
- Easy configuration and status review by means of an easy to use web interface
- Hot swappable active components and rear-accessible passive connection board ensure high availability and low MTTR

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Product specifications

Transform N 4/8/16-channel DVI Input Node

Rack mount	2U height for 19" rack										
Dimensions	494.8 x 450.0 x 87.1 mm (19.48 x 17.72 x 3.47 inch) without handles										
Weight	13.5 kg										
Hot swappable	Power supplies, fans, shelf manager, front processing board, rear I/O boards										
Noise Level	45 dbA @ 25°C, 64 dbA @ 40°C										
Inputs	4 or 8 DVI input channels (dual link) 8 or 16 DVI input channels (single link)										
Network connection	Redundant Gigabit Ethernet connection (2x RJ45) service connection (RJ45)										
Pre-processing	Progressive scan, RGB 4:4:4 processing, high quality downscaling, alarming (signal lock)										
Media encoding and delivery	Multicast RTP with proprietary multi-stream best effort frame rate, full resolution JPEG2000 encoded payload. Variable encoding latency depending on codec availability										
Thumbnail encoding and delivery	Multicast RTP with configurable resolution and frame rate best effort JPEG2000 encoded payload. Variable encoding latency depending on codec availability.										
Metadata delivery	Dynamic source labeling, input resolution, alarm status										
Input power	2x300 W Hot swappable redundant power supply										
Input voltage	90-264VAC										
Input frequency	47-63Hz										
Inrush current limiting	2x40A (max) (redundant power supply)										
EMI	Input filtering Class B										
PCF	0.95 (power factor corrected)										
Efficiency	80% at typical load										
Operating temperature	0°C to 40°C										
Heat dissipation	900 BTU/h										
Shelf management	Enables appliance auto-detection Active fan speed regulation System health monitoring Emergency shutdown SNMP agent Browser based access to system statistics										
MTBF	Chassis (excl. fans and power supply): 2,746,000 h Hot-swap power supply: 100,000 h Hot-swap fan module: 225,000 h										
Safety Regulations	CE, UL and CCC certified										
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