

TransForm N 16-channel Analog Video Input Node

High density multi-channel analog video encoder



Barco's 16 channel Analog Video Input Node is a standalone 2U managed appliance encoding and delivering the applied input signals across Ethernet for visually lossless display on one or multiple TransForm N output nodes, supporting JP2K decoding.

Features and benefits

- Small form factor bulk encoding of 16 standard definition analog video input signals
- YUV 4:2:2 video sampling and full frame rate visually lossless encoding provide for broadcast quality visualization
- Low latency encoding
- JP2K scalable 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

PRODUCT SPECIFICATIONS**TRANSFORM N 16-CHANNEL ANALOG VIDEO INPUT NODE**

Platforms	NGC-102 and NGS-103	
Form factor	2U housing 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 (29.7 lbs)	
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	analog video input channels	
Video interface	75 Ohm BNC, no loop-through	
Network connection	redundant Gigabit Ethernet connection (2x RJ45) service connection (RJ45)	
Pre-processing	High-quality scaler and deinterlacer, YUV 4:2:2 processing, alarming (video black, white, freeze and lock)	
Media encoding and delivery	Multicast RTP with proprietary multi-stream full frame rate, full resolution JPEG2000 encoded payload. Fixed encoding latency	
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, video standard, alarm status	
Input power	2x300 W Hot swappable redundant power supply	
Input voltage	90-264 VAC	
Input frequency	47-63Hz	
Inrush current limiting	2x40A (max) (redundant power supply)	
EMI	Input filter Class B	
PCF	0.95 (power factor corrected)	
Efficiency	80% at typical load	
Operating temperature range	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	
Order Information	Article Number	Article Description
	R9832306_AV16	TFN JP 16CH AV IN NODE

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Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.