

TransForm N 4/8/12 channel Analog Video Input Node

Medium bandwidth multi-channel analog video encoder



Barco's multi-channel Video Input Node is a standalone 1U appliance encoding and delivering the applied input signals across Ethernet for display on one or multiple H.264 compatible TransForm N output nodes.

Features and benefits

- Bulk encoding of up to 12 standard definition analog video and audio input signals in a single 1U enclosure
- Image processing allows image deinterlacing, scaling (from QCIF to full D1), rotating, mirroring, anti-aliasing and annotation of the video
- Variable or constant bitrate H.264 encoding of full D1 images at 25/30 frames per second
- Real-time RTSP/RTP/UDP based unicast or multicast streaming
- Support for up to 3 simultaneous H.264 unicast streams per source with controllable frame rate and bandwidth
- High level of security possible by means of multi-level password, HTTPS encryption and IEEE 802.1X network access control mechanisms
- Gigabit Ethernet interface
- Open API for software integration with ONVIF support
- Hot swappable active components ensure low MTTR

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Product specifications**Transform N 4/8/12 channel Analog Video Input Node**

Form factor	1U housing for 19" rack								
Dimensions	483 x 345 x 48 mm (19 x 13.6 x 1.9 inch) without handles								
Weight	3.7 kg (8.16 lbs)								
Hot swappable	Encoder modules								
Inputs	analog video input channels								
Video interface	75 Ohm BNC, no loop-through								
Network connection	Gigabit Ethernet connection (RJ45)								
Pre-processing	High-quality scaler and deinterlacer, YUV 4:2:0 processing, motion detection								
Media encoding and delivery	H.264 encoding with multi-stream unicast RTP, RTP over RTSP, RTP over RTPS over HTTPS or RTP multicast delivery								
Input power	Max 80 W								
Input ranges	100-240V AC								
Input frequency	47-63Hz								
EMI	Input filter Class B								
Inrush current limiting	18A/100V 36A/240V								
PCF	0.95 (power factor corrected)								
Efficiency	80% at typical load								
Operating conditions	0°C to 45°C, max relative humidity 80%								
Heat dissipation	201 BTU/h								
MTBF	Rack: 174.000 h Q7414 blade: 100.000 h								
Safety Regulations	CE, UL and CCC certified								
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