

MNT-120 H.264

Nexxis H.264 transcoder



As an integral part of Barco's Nexxis digital OR solution – specifically designed for high-quality imaging with near-zero latency in today's operating rooms – the H.264 transcoder is perfect for applications that don't require lossless representation of information, such as training and remote consultations.

Streaming and recording

Smoothly converting raw IP streams into the lower bit-rate standard H.264 format, this transcoder allows effortless streaming and recording of video, data and other information. The possibilities are endless:

- Recording: locally or centrally
- Streaming on hospital LAN/WAN
- Preview functionalities of streams inside the OR
- ...

Barco's H.264 transcoder is fully compatible with the Nexxis management software, enabling a smooth set-up and ease of use. It can handle 2 independent video streams, which are scaled to a certain resolution and frame rate, and encoded into 1 or 2 H.264 Level 4.1 network IP stream(s) with different bit-rates.

Barco's Nexxis H.264 transcoder features:

- full integration with Nexxis digital OR
- compatibility with NMS 1.0 - Nexxis OR Management Suite
- smooth set-up and ease of use
- low latency encoding

Product specifications

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General specifications

Conversion	Raw uncompressed IP into H.264 L4.1 (MPEG-4 AVC Part 10) RTP over UDP
Processing	Input: 2 simultaneous RAW IP streams carrying video resolutions up to 1920x1080p at 60Hz computer resolutions up to 1920x1080p at 60Hz Output: 2 simultaneous H.264 L4.1 streams in 2 quality levels per stream per input. output resolutions 1080, 720 and 480 output refresh rate configurable to max 60Hz (max 30Hz for 1080p) max bitrates of 4 Mbit/sec
Latency	Low latency encoding (less than 80ms)
Connectivity	In: 10G Fiber Optic interface with SFP+ connector module Out: 1G RJ45
Power	External 12V Medical Approved PSU
Power consumption	less than 40W
Dimensions (HxWxD)	43 x 350 x 280 mm (approx.)
Regulation Compliance	CE Class I, FDA Class I, IEC60601-1, 3e ed.
Standards	Medical Equipment: 3rd edition: IEC 60601-1: 2005, IEC 60601-1-2: 2006, ANSI/AAMI ES 60601-1: 2005, CAN/CSA-C22.2 No 60601.1-08, EN 60601-1: 2006, IEC 60601-1-2:2014 (Ed4), CE (MDD) Annex I, essential requirements of MDD 93/42/EEC, version 2007 (in effect as of March 2010) ITE Equipment: IEC60950-1, 2nd edition: 2005, UL94 on Test flammability of plastic materials for parts in devices and appliances.

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