

# 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****MNT-120 H.264**

<b>Conversion</b>	Raw uncompressed IP into H.264 L4.1 (MPEG-4 AVC Part 10) RTP over UDP
<b>Processing</b>	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
<b>Latency</b>	Low latency encoding (less than 80ms)
<b>Connectivity</b>	In: 10G Fiber Optic interface with SFP+ connector module Out: 1G RJ45
<b>Power</b>	External 12V Medical Approved PSU
<b>Power consumption</b>	less than 40W
<b>Dimensions (HxWxD)</b>	43 x 350 x 280 mm (approx.)
<b>Regulation Compliance</b>	CE Class I, FDA Class I, IEC60601-1, 3e ed.
<b>Standards</b>	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.

**Last updated: 28 Feb 2019**

Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.