

MNA-420 ENC -H

HD AV-to-IP adapter for the OR and hybrid OR with HDMI™ technology



- **AV-to-IP conversion**
- **2 x FHD resolution**
- **Medical-grade**
- **Established 3rd generation technology**

Adapter for the operating room

The MNA-420 ENC -H with HDMI™ technology converts HDMI 2.0 video signals to Nexxis RAW IP packets. Other non-video signals such as audio and USB for keyboard/mouse are also supported. End-to-end video latency is amazingly low and is guaranteed not to exceed a single frame.

Capabilities

The MNA-420 adapters are part of Barco's Nexxis solution, which provides users with uncompromised networked visualization for the digital operating room. The compact Nexxis AV-to-IP adapters offer simplicity and flexibility while maintaining the highest possible performance standards and fitness for use in demanding medical environments.

As a third generation device, the MNA-420 ENC -H with HDMI™ technology provides the full richness of the established Nexxis platform while:

- increasing future scalability
- improving ease of installation
- adding increased security performance
- reducing ecological footprint

Product specificaties

MNA-420 ENC -H

General specifications

Videoconversie	Converts Digital video signals to uncompressed IP streams
Verwerking	Up to 1920x1200@60Hz. Maximum 2 Mpxl/s per input
Kleurdiepte	RGB 8-bit, YCbCr 4:4:4 8bit or YCbCr 4:2:2 10-bit
3D-technologie	The following video formats are supported: <ul style="list-style-type: none">■ 1920x1080@60Hz Line-interleaved■ Dualstream 1920x1080@60Hz (using both input channels)
Latentie	Subframe
Beveiliging	AES 128 encryption of all video, data and control signals
Video-ingang	2xHDMI 1.4 lockable connector
Netwerkuitvoer	2x HD uncompressed IP stream over a single optical connection
IP-connectiviteit	1x 10GbE Fiber Optic Interface with SFP+ module
IP-normen	Zeroconf, IPv4, IGMP, DHCP, RTP, RTCP, 802.1q, AES 128b, HTTP(s)
USB	1x micro-USB type B and 1x USB Type A
Audio	Stereo line in and Headset/Stereo line out 15mm length compatible 3.5mm TRRS jack
GPIO	1x GPI + 1x camera trigger via 15mm length compatible 3.5mm TRRS jack
Nexxis-integratie	Fully integrated in the Nexxis solution, compatible with MNA-1x0 and MNA-240 devices
Voeding	External 12V Medical Approved PSU, 100-240VAC 50-60Hz 60W with lockable connector at DC side
Energieverbruik	Max: 25W Typical: 15W
Grootte	35 mm H x 103 mm W x 131 mm D 1.4" H x 4.1" W x 5.2" D (+/-2 mm / 0.1")
Gewicht	0.4 kg (0.88 lbs)
Temperatuur	5°C to 40°C (41°F to 104°F)
Vochtigheid	Maximum 85%
Opslag	Storage temperature: -20°C to 60°C (-4°F to 140°F) Storage Relative Humidity: 10% to 93%
Akoestische ruis	Typical 32dBA at 20°C at 1m
Montage	Versatile mounting bracket included
Certificeringen	-UL 60601-1 -CE EN60601-1 ed 3 -c-UL CSA C22.2 No601.1
Standaarden	Medical Equipment: -IEC 60601-1:2005 + Am1:2012 -IEC 60601-1-2: 2014 (ed4) -ANSI/AAMI ES 60601-1:2005 + R1:2012 -CAN/CSA-C22.2 No.60601-1:2014 -EN 60601-1:2006 + A11:2011 + A1:2013 + A12:2014 -EN 60601-1-2:2015 (ed4) -FCC class B, ICES-001 Level B ITE Equipment: -IEC 60950-1:2005 + Am1:2009 + Am2:2013

Laatst bijgewerkt: 08 Jul 2024

© 2024 Barco nv. Alle rechten voorbehouden. Gehele of gedeeltelijke reproductie zonder schriftelijke toestemming is verboden. Alle merknamen en productnamen zijn handelsmerken, geregistreerde handelsmerken of handelsnamen van hun respectieve houders. Als gevolg van voortdurende innovatie kunnen informatie en technische specificaties zonder voorafgaande kennisgeving worden gewijzigd. Controleer www.barco.com voor de nieuwste specificaties.