

MNA-420 DEC HDMI

HD AV-to-IP adapter for the OR and hybrid OR



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

Adapter for the operating room

The MNA-420 DEC HDMI converts uncompressed IP video streams to HDMI 1.4 video. 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 DEC HDMI 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 DEC HDMI**

General specifications	
Videoconversie	Converts uncompressed IP-streams into Digital video signals.
Verwerking	1920x1200@60Hz on each of the two output channels
Kleurdiepte	RGB 8-bit
3D-technologie	Show one view of the 3D video flow (left eye) on a 2D display
Latentie	End-to-end: genlocked subframe; not genlocked one frame
Beveiliging	Decryption of AES 128 encrypted video, data & control signals
Video-uitgang	2x HDMI 1.4 lockable connector
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	2x 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	Supported from Nexxis 1.14 onwards, compatible with MNA-1x0, MNA-240 and MNA-4x0 devices
Voeding	External 12VDC Medical Approved PSU, 100-240VAC 50-60Hz 60W with lockable connector at DC side
Energieverbruik	Maximum: 25W Typical: 17W
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 style="list-style-type: none"> ■ CB (IEC 60601-1) Informative report ■ CB (IEC 60950-1) ■ cRU, RU (cRUus) ■ Demko ■ CE medical device class I ■ UKCA ■ BIS Registration, IS 13252 (part 1) ■ KC ■ BSMI ■ RCM ■ EAC
Standaarden	<p>Medical Equipment:</p> <ul style="list-style-type: none"> ■ IEC 60601-1:2005 + Am1:2012 ■ IEC 60601-1-6:2010 + Am1:2013 ■ IEC 60601-1-2:2014 (ed4) ■ ANSI/AAMI ES 60601-1: A1:2012 + C1:2009/(R)2012 + A2:2010/(R)2012 ■ CAN/CSA-C22.2 No.60601-1:14 ■ EN 60601-1:2006 + A1:2013 + A12:2014 ■ EN 60601-1-6:2010 + A1:2015 ■ EN 60601-1-2:2015 (ed4) ■ FCC class B ■ ICES-001 Level B <p>ITE Equipment:</p> <ul style="list-style-type: none"> ■ IEC 60950-1:2005 + Am1:2009 + Am2:2013 ■ EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 ■ IS 13252

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