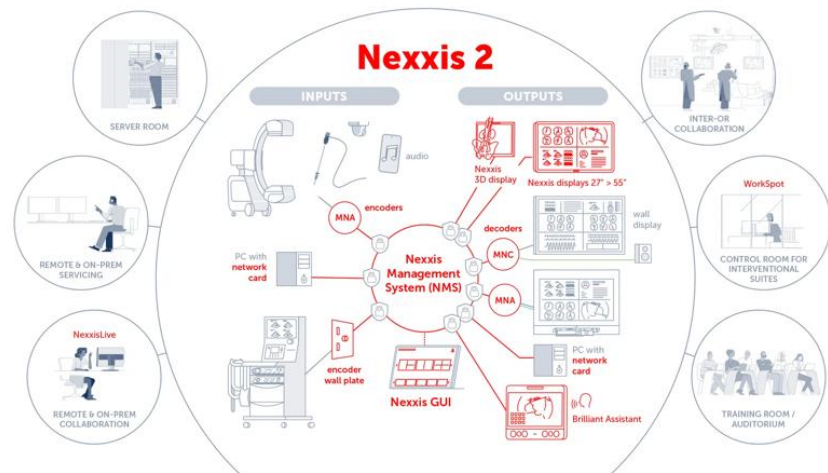


MNA-420 ENC ANA

HD AV-to-IP adapter for the OR and interventional suite



- AV-to-IP conversion
- Secure, scalable and flexible solution
- Established 3rd generation technology
- Near-zero latency for real-time decision making

The MNA-420 ENC ANA converts VGA & CVBS or VGA & S-Video 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 2 solution, which provides users with uncompromised networked visualization for digital operating, endoscopy, and interventional rooms. The compact Nexxis 2 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 ANA provides the full richness of the established Nexxis platform while:

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

Nexxis 2 is not available for distribution in certain markets, including the United States, where FDA 510(k) clearance is pending. Please contact your Barco representative to confirm availability in your region.

Especificaciones del producto

MNA-420 ENC ANA

Especificaciones generales	
Conversión de video	Converts analog video signals to uncompressed IP streams
Procesamiento	One channel S-video/CVBS (720x576i50 or 720x485i60) + one channel analog graphical source (1920x1200p60 with reduced blanking)
Profundidad de color	CVBS/S-Video: YCbCr 4:2:2 10 bit/color VGA: RGB24 8 bit/color & RGB30 10bit/color
Latencia	Subframe
Seguridad	AES 128 encryption of all video, data & control signals
Sistema codificador	N/A
Salida de video	N/A
Entrada de video	1x DIN + 1x DSUB-15 + 2x BNC
Salida de red	1x PAL/NTSC uncompressed IP stream + 1x HD uncompressed IP stream
Conectividad IP	1x 10GbE Fiber Optic Interface with SFP+ module
Estándares de IP	IPv4, IGMP, DHCP, sRTP, sRTCP, 802.1q, AES 128b, HTTP(s)
USB	1x micro-USB type B & 1x USB Type A
USB Power Output	Max. 5 V / 500 mA (2.5 W) per USB 2.0 Type-A port
Audio	Stereo line in 15mm length compatible 3.5mm TRRS jack Microphone in 15mm length compatible 3.5mm TRRS jack Stereo line out/Headset 15mm length compatible 3.5mm TRRS jack
Conformidad	N/A
GPIO	2x GPI + 1x GPO via 15mm length compatible 3.5mm TRRS jack Camera trigger is possible via stereo line in (1x), microphone in (1x) and GPIO (2x) connector
Integración de Nexxis	Fully integrated in the NexxisOR 2.x solution, compatible with MNA-240 and MNA-4x0 devices
Unidad de fuente de alimentación	External 12Vdc Medical Approved PSU, 100-240VAC 50-60Hz 60W with lockable connector at DC side
Consumo de energía	Maximum: 19,2 W Typical: 8,8 W
Tamaño	35,8 mm H x 147,5 mm W x 167,4 mm D 1,4" H x 5,8" W x 6,6" D (+/-2 mm / 0.1")
Peso	MNA-420 ENC ANA unpacked has a weight equal to 540g
Temperatura	5°C to 40°C (41°F to 104°F)
Humedad	Maximum 85%
Altitud	700 hPa
Condiciones de almacenamiento	Storage temperature: -20°C to 60°C (-4°F to 140°F) Storage relative humidity: 10% to 93% Storage altitude: 500 hPa
Nivel de ruido acústico	Typical 20dBA at 20°C at 1m
Montaje	Versatile mounting bracket included
Certificaciones	-CB (IEC 60601-1) -CB (IEC 62368-1) -cRU, RU (cRUus) -Demko -CE medical device class I -UKCA -BIS Registration, IS 13252 (part 1)
Normas	Medical Equipment: -IEC 60601-1:2005 + A1:2012 + A2:2020 -IEC 60601-1-6:2010 + A1:2013 + A2:2020 -IEC 60601-1-2:2014+A1:2020 (Ed.4.1) -AAMI ES 60601-1:2005 + A1:2012 + A2:2021 -CAN/CSA-C22.2 No.60601-1-08 + A1:14 (Reaffirmed 2022) -EN 60601-1:2006 + A1:2013 + A12:2014 + A2:2021 + A13:2024 -EN 60601-1-6:2010 + A1:2015 + A2:2021 -EN 60601-1-2:2015+A1:2021 (Ed.4.1) -FCC class B -ICES-001 Level B ITE Equipment: -IEC 62368-1:2018 -EN IEC 62368-1:2020 + A11:2020 -IS 13252 (Part1): 2010
Soporte de video 3D	N/A
Transmisión	N/A

Generado en: 06 Aug 2026

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