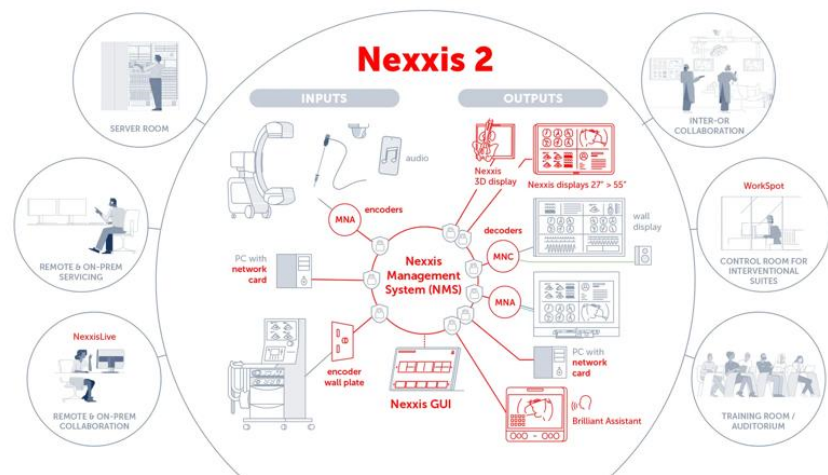


MNA-420 ENC ANA

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.

기술 사양

MNA-420 ENC ANA

일반 사양	
비디오 변환	Converts analog video signals to uncompressed IP streams
처리	One channel S-video/CVBS (720x576i50 or 720x485i60) + one channel analog graphical source (1920x1200p60 with reduced blanking)
색심도	CVBS/S-Video: YCbCr 4:2:2 10 bit/color VGA: RGB24 8 bit/color & RGB30 10bit/color
지연 시간	Subframe
보안	AES 128 encryption of all video, data & control signals
엔코더 시스템	N/A
비디오 출력	N/A
비디오 입력	1x DIN + 1x DSUB-15 + 2x BNC
네트워크 출력	1x PAL/NTSC uncompressed IP stream + 1x HD uncompressed IP stream
IP 연결	1x 10GbE Fiber Optic Interface with SFP+ module
IP 표준	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
오디오	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
규정 준수	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
Nexxis 통합	Fully integrated in the NexxisOR 2.x solution, compatible with MNA-240 and MNA-4x0 devices
PSU	External 12Vdc Medical Approved PSU, 100-240VAC 50-60Hz 60W with lockable connector at DC side
에너지 소비	Maximum: 19,2 W Typical: 8,8 W
크기	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")
중량	MNA-420 ENC ANA unpacked has a weight equal to 540g
온도	5°C to 40°C (41°F to 104°F)
습도	Maximum 85%
고도	700 hPa
보관 조건	Storage temperature: -20°C to 60°C (-4°F to 140°F) Storage relative humidity: 10% to 93% Storage altitude: 500 hPa
음향 소음 수준	Typical 20dBA at 20°C at 1m
장착	Versatile mounting bracket included
인증	-CB (IEC 60601-1) -CB (IEC 62368-1) -cRU, RU (cRUus) -Demko -CE medical device class I -UKCA -BIS Registration, IS 13252 (part 1)
표준	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
3D 비디오 지원	N/A
스트림백	N/A

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