

# MNC-180

Media Network Compositor



- **Uncompressed video composition over IP**
- **Ultra-low latency**
- **Medical-grade**

## **Uncompressed and ultra-low latency video composition**

The Nexxis MNC-180 network compositor provides Nexxis-based, uncompressed and ultra-low latency video compositing capabilities for the hybrid operating room and cath labs. The MNC-180 appliance provides an easy to integrate capability to allow for large-screen compositing of up to 8 simultaneous video sources.

The Nexxis MNC-180 network compositor is part of Barco's Nexxis solution, which provides users with uncompromised networked visualization for the integrated operating room, cath lab and hybrid operating room environments. Nexxis adapters offer simplicity and flexibility in the OR while maintaining the highest possible performance standards and fitness for use in high-demanding medical environments.

The MNC-180 can be easily integrated in the Barco Nexxis environment via the central API provided by Barco's NMS 1.09 software or a higher version.

Product specifications

MNC-180

General specifications	
Software	Integration: Nexxis Release 1.09 or higher
Processor	Intel(R) Core(TM) i7 Hex core 3.6GHz processor
Memory	16 GB RAM
SSD drive	128 GB
Network	1x 40G QSFP connector
Output	1x 4K network composition stream (for MNA-240 DEC) 1x HD network composition stream (for MNA-120 DEC) 1x thumbnail preview of composition
Input	8x Nexxis Encoder stream (up 1920x1200/60Hz per stream)
Layouts	Up to 8-slot layouts with customizable design
Control	Look-up table control per source
Frame rate	60Hz
Latency	< 3 frames
Security	AES 128 encryption of all video, data & control signals
IP standards	Zeroconf, IPv4, IGMP, RTP, AES 128b, HTTP(s)
Form factor	4U housing for 19" rack
Power supply	350W, 100-240V, 50/60Hz with battery pack
Temperature range	0° -40°C   32° -104°F
Humidity	Max. 80% (non-condensing)
Noise Level	Max. 48dbA (measured at 1m/32.8ft distance at 22"/72
Compliance	CE,CB, IEC 609501, ETL, FCC Class A Regulatory Model Id: NGP-410

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