

NCN-Pro

Network Compositor Node



Barco's weConnect solution offers an easy way to achieve a fully functional collaborative learning environment. The system allows students and teachers to bring their own devices to the classroom and share their information, whether it is graphics, video, audio or applications, on the pod displays and the classroom projector.

BYOD is not only about sharing pixels to screens – personal devices are an essential collaborative interaction tool as well. The system therefore comes with interaction option to allow students and teachers to work in groups. Support for quizzes, polls, real-time feedback and silent questions allow all students to be active learners. Teachers are free to walk around with their own device. Which gives full preview and moderation control over the room, pods and sources.

Key features

Wireless presentation with automatic source composition

- Drives up to 4 displays
- Allows 8 sources to be simultaneously shown on all displays
- Can stream display content to other in-room displays or to remote rooms
- Provides thumbnail views on student and teacher devices
- Teachers and students connect wirelessly to the display with MirrorOP and Airplay

Interactivity, Moderation and Collaboration

- Teachers control the displays from a simple web interface (with previews)
- Web interface is compatible with all major operating systems
- Students can only share content on their display by using PIN codes
- Students and teachers interact and collaborate via a web-based cloud application

Integration

- Easy integration in the campus network. Connectivity over multiple subnets
- Automatic EDID management and scaling, the best experience without display adjustments
- Students and teachers use standard network connections for local services and benefit from presentation, interaction and collaboration features

PRODUCT SPECIFICATIONS**NCN-PRO**

NCN-Pro 210	
Output	4 x DisplayPort 1.2 (4x HDMI via included adapters)
Network	Intel 10/100/1000 Mbps (1000 Mbps connection preferred)
Audio	DisplayPort, Headphone/microphone jack, USB audio support
Supported systems	Windows PC, Mac, Linux, Chromebook, iOS or Android (some platform limitations apply)
Power connection	100-240V, 5-3A, 50/60Hz Typ. 124W max. 270W
Dimensions	133mm x 220mm x 300mm 5.24in x 8.66in x 11.81in
Temperature range	0° -40°C 32° -104°F
Humidity	Max. 80% (noncondensing)
Noise Level	Max. 36dbA (measured at 1m/32.8ft distance at 22°/72)
Compliance	CE, CB, IEC 609501, ETL, FCC Class A Regulatory Model Id: NGP-210
Output resolution	4096 x 2160@60fps, resolution detection through EDID
Audio mix	All sources with audio down mixed to stereo, automatic mix-minus for remote connections Outputs to analog jack and all connected devices with audio capabilities including USB devices Input through analog jack mic input or USB devices with input capabilities 16bit 48kHz audio processing, individual volume control via weConnect user interface
Network performance	Max. bandwidth in: 200 Mbps Bandwidth out per unicast connection: averages 10 Mbps with peak bandwidth up to 15 Mbps
Number of sources simultaneous on screen	8 (max)
Order Information	R9821003F NCN-210 Network Compositor EU R9821003G NCN-210 Network Compositor UK R9821003B NCN-210 Network Compositor US
NCN-Pro 220	
Height	131.5 mm (5.18 in)
Width	220 mm (8.66 in)
Depth	305 mm (12.01 in)
Weight	5.8 kg (12.79 lbs)
Power	100V~ -240V~, 8A -4A, 50Hz / 60Hz
Power consumption	max. 230W
Noise Level	max. 35db(A) at 25°C ambient temperature
Relative humidity	5% to 80% non-condensing
Operating temperature	0°C to 40°C (32°F to 104°F)
Storage temperature	-20°C to 60°C (-4°F to 150°F)
Video Output	4x DisplayPort 1.4 2x DisplayPort 1.2 1x HDMI 2.0a
Resolution	Maximum display resolution digital @ 60Hz: 4x 4096 x 2160 @120Hz, 4x 5120 x 2880 @60Hz
Audio Input	1x Line-in/Mic-in Voltage: avg. 1.5 Vrms
Audio output	1x Line-out
USB ports	5x USB 3.1 (Type A) 2x USB 3.0 (Type A) 1x USB 3.1 (Type C)
Network connection	2x Gbit (Intel I219LM, Intel I211 AT)

Last updated: 29 Aug 2022

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.