

# NRC-200

## Networked 4K Room Compositor for Education



- 2 x 4K UHD (displays or projectors)
- Up to 8 HD sources with auto-layout
- Simple user interface
- Moderation
- Future proof

The NRC-200 is a versatile and easy to integrate room compositor. Its elegant design, small form factor, and silent operation, make it the perfect appliance for many educational settings.

The versatile NRC-200 drives multiple displays and automatically composites multiple sources. Benefiting from the intuitive user interface with source preview and moderation control, the users get the chance to fully focus on the training or meeting rather than on the technology. The in-room and networked media sources are automatically detected and integrated with a simple configurator tool.

### Key features

- **Moderation:** In classrooms, you just need to be in control. The intuitive moderation function gives an overview and preview of all content before committing to a display. The user interface runs on Microsoft Windows PCs and Tablets.
- **No Adjustment Needed:** With automatic EDID management and scaling, the best in-room experience is guaranteed without requiring display adjustments. Switching from one source to another is fluent and does not require any re-sync. The NRC-200 will automatically upscale and downscale to match the preferred display settings, and shows all sources in the correct aspect ratio. Furthermore, audio sources are automatically mixed.
- **Reliable:** The compositor builds on decades of experience in 24/7 mission critical environments. The NRC-200 replaces complex setups with AV matrix switchers, scalers and compositors, with one simple appliance.
- **Performance:** The NRC-200 comes standard with 2 discrete compositor engines, each capable of driving a 4K (UHD) display with independent composition of sources. Up to 8 different sources can be combined over all compositor engines.

**PRODUCT SPECIFICATIONS****NRC-200**

Outputs	
Audio	1x 3.5mm jack stereo line level in, 1x 3.5mm jack stereo line level out
Video	1x Dual Link DVI, 2x DisplayPort 1.2 (incl. DP2DVI and DP2HDMI adapters)
Network interfaces	
Inputs	Clickshare CSC-1, MirrorOp App (v1.1.6.0+ for Android), Clickshare App (v1.1.0.5+ for Android & v1.2.1 for iOS), Airplay MirrorOp Mac Sender ( Mac OS X 10.5+) Barco V2D, H.264 RTP
Ethernet	2x 1GbE full duplex
IP addressing	DHCP, link local, fixed IP
Protocols	Unicast, Multicast (IGMP v3), RTP, RTSP, Zeroconf, SAP (RFC 2974)
Management interfaces	
Standalone	Microsoft Windows Configuration Application, Socket API
Firmware upgrade	USB Storage Device
Advanced features	
Image processing	Color space conversion, scaling, frame rate reduction 2 Compositing Engines
General specifications	
Form factor	3U ½ 19" rack mount housing
Dimensions	133mm x 220mm x 279mm   5.24" x 8.66" x 10.98"
Shipping Dimensions	445mm x 250mm x 350mm   17.52" x 9.84" x 13.78"
Weight	5.5kg   12.13lbs
Power	Typical 124W   max. 270W
Power supply	100-240V, 5-3A, 50/60Hz
Operating temperature	0°C to 40°C (32°F to 104°F)
Operating humidity	Max 80% (non-condensing)
Operation noise	Max 31dBA (at 1m/3ft distance at 22°C/72°F)
Compliance	
Regulation Compliance	CE, CB, IEC 60950-1, ETL, CCC, FCC Class A
User interface	
OS	Microsoft Windows 7, 8 (64 bit), Microsoft Window 8 RT (64 bit)
Minimum system requirements	1GB RAM, 1 GHz CPU
Options	
Options	Clickshare CSC-1 v.1.06 or higher NGS-D200 Lite (V2D codec – Art. Nbr. K9303500A) NGS-D200 Pro upgrade license (Art. Nbr. C9826138) NGS-D220 Lite (H.264 codec – Art. Nbr. K9307071A)
Order information	
Order Information	K9303200A: NRC-200 Networked Room Compositor R766043: Rack mount Kit for 2x NRC-200

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Technical specifications are subject to change without prior notice. Please check [www.barco.com](http://www.barco.com) for the latest information.