

NRC-200

Networked 4k Room Compositor



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 situations - including classrooms, corporate meeting rooms, and training rooms.

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

- **Engaging Multimedia Experience:** The NRC-200 extends Barco's ClickShare CSC-1 experience with high quality visualization of any media source in your room. The appliance supports all wired and wireless sources in the room: ClickShare sources, MirrorOp, Airplay, H.264 streams and Barco V2D sources.
- **Moderation:** In classrooms and larger meetings 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.

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Product specifications

NRC-200

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| Outputs | |
| Video | 1x Dual Link DVI, 2x DisplayPort 1.2 (incl. DP2DVI and DP2HDMI adapters) |
| Audio | 1x 3.5mm jack stereo line level in, 1x 3.5mm jack stereo line level out |
| 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"x8.66"x10.98" |
| 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 |

Last updated: 21 aug 2015
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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