

BarcoReality 909

Powerful, ultra-high resolution digital projector with 9" CRTs



The BarcoReality 909 (BR 909) is the latest and most innovative digital projector offered. Unique digital image adjustments provide superlative performance in multi-channel setups, on curved screens as well as on flat screens. The advanced digital design features make the BarcoReality 909 the reference in high resolution projection. The BarcoReality 909 is especially designed for demanding applications such as simulation, Virtual and Augmented Reality, 3D and stereoscopic projection, industrial design as well as military command & control centers (C3I).

Unequaled Flexibility

- Mosaic geometry correction: Flat, Curved, Off-axis
- Digital Image correction optimized for curved screens and multi-channel setups
- Different lenses are available, optimized for a wide range of screen sizes from 2 m (6.6 ft.) to 8.8 m (29ft.) wide, including curved screens
- Digital AutoImage™ automatic alignment system aligns all geometry and convergence parameters
- Built-in Scheimpflug optical correction, with stepless adjustment, for optimal optical focus for off-axis projection
- 3D & Stereoscopic optimized phosphors available (upon request)

Very High Resolution Images

- The BARCOREALITY 909 renders high resolution large screen images with unprecedented visual fidelity.
- Compatibility with workstations up to 3,200 by 2,560 pixels.
 - Horizontal autolock scan frequency range of 30-180 kHz
 - 180 MHz RGB amplifier
 - New, ultra-high definition, LC gun 9 inch electromagnetic focus CRTs with digitally controlled dynamic astigmatism guarantee razor sharp images
 - TSN™ 6-pole focus astigmatism correction

BARCO

Visibly yours

Technische Daten

Lichtstrom	At 10 % peak white:1,250 lumens Boost mode: 300 ANSI lumens Normal mode: 250 ANSI lumens Economy mode:195 ANSI lumens Measurement method conforms to ANSI IT7.215 standard. Measured with HQF 900 Lens
CRTs	New high brightness, high definition liquid cooled 9" electromagnetic CRTs with newly designed LC gun.
Optiken	New Super high definition, liquid coupled, and fully color corrected F1.15 lenses, optimized for particular screen sizes Standard lens HFQ 900 Screen width from 2 m / 7 ft. up to 22 m /72 ft. Optical resolution 12 lp / mm Optional lenses A range of lenses optimized for curved screen setups HRQ 904 Screen width up to 4 m / 13 ft. Screen radius 2.5-5m / 8-16 ft. HRQ 910 Screen width up to 10 m / 32 ft. Screen radius 5-15m / 16-49 ft.
Frequenzen	Horizontal: 30-180 kHz autolock Vertical: 37-240 Hz autolock
Minimale Rücklaufzeit	Horizontal: < 1.1 μ s in range 90-180 kHz < 1.8 μ s in range 30-130 kHz (switching point adjustable between 90 and 130 kHz) Vertical: < 200 μ s
Max. Adressiermöglichkeiten	3,200 x 2,560 Pixels
RGB-Bandbreite	180 MHz
Horizontale Linearität	< \pm 0.25 % distortion @ 1280 x 1024 with convergence on green option < \pm 1.5 % distortion throughout the full horizontal frequency range
Eingänge	<ul style="list-style-type: none"> • RGB or (Y, R-Y, B-Y) input on 5 BNC-connectors, with automatic sync detection and sync polarity, with sync on green or separate sync • RGB analog input on D9-connector, with automatic sync detection and polarity (optional D9-BNC adapter available)
Fernbedienung	A backlit user-friendly infrared remote control for control of: <ul style="list-style-type: none"> • Source switching • User settings per source (brightness, contrast, color, hue, sharpness) • Geometry per source (password protectable) • Convergence per source (password prectable) An optional executive remote control unit is available for control of source switching and user settings per source
Spezielle Eigenschaften	<ul style="list-style-type: none"> • Proprietary Digital Waveform Generation Geometry & Convergence Correction • Triangular Spot Nullifying™ (TSN) • Self diagnostics • Optional AutoAlign™ Digital AutoConvergence and Auto-geometry • On-screen menus • 48 frequency-related memory banks • Modular construction: allows easy access to all controls and facilitates quick servicing (Typical MTTR of less than 10 minutes)
Leistung	Power factor corrected ranging between 100 and 240 VAC +6%/-10%
Leistungsaufnahme	800 W max
Sicherheitsstandards	The BARCOREALITY 909 complies with UL1950 and EN60950.
Elektromagnetische Interferenz	The BarcoReality 909 complies with the principal protection requirements of Council Directive 89/336/EEC (the EMC Directive). The BarcoReality 909 also complies with FCC Rules & Regulations 47 CFR Ch 1 Part 15 class B

Abstrahlung

The BARCOREALITY 909 complies with DHHS radiation emission standards 21 CFR Subchapter J.