

BarcoReality 908

Powerful, ultra-high resolution digital projector with 8" CRTs



Barco's top-of-the-line digital CRT family has been expanded to include two new 8" offerings: the powerful BarcoReality 908 and the affordable BarcoGraphics 908. The BarcoReality 908 (BR 908) is specially designed for demanding applications, such as Simulation, Virtual and Augmented Reality, Edutainment, 3D and stereoscopic projection, industrial design as well as military command and control centers (C3I). Unique digital image adjustments provide outstanding performance in multi-channel setups on curved and flat screens. The advanced digital design features make the BarcoReality 908 the standard in high-resolution projection.

Unequaled flexibility

- Mosaic geometry correction: Flat, Curved, Off axis
- Digital Image correction optimized for curved screens and multi-channel setups
- A variety of lenses are available, optimized for a wide range of screen sizes from 1.4 m (4.6 ft.) to 6 m (20 ft.) wide, including curved screens
- Digital AutoAlign™ automatically aligns all geometry and convergence parameters
- Built-in Scheimpflug optical correction, with stepless adjustment, for optimal optical focus for off-axis projection
- 3D and Stereoscopic optimized phosphors available (upon request)

Very high resolution images

The BarcoReality 908 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 up to 180 kHz
- 180 MHz RGB amplifier
- New, ultrahigh-definition, LC gun 8" electromagnetic focus CRTs with digitally controlled dynamic astigmatism guarantee razor sharp images
- Optional high-quality Line Multiplier (Limo Pro) for improved video image quality
- TSN™ 6-pole focus astigmatism correction

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Technische Daten

Lichtstrom	with standard air coupled HD8 lens: 10 % full white: 1,250 lumens Boost mode: 250 ANSI lumens Normal mode: 210 ANSI lumens Economy mode: 180 ANSI lumens with optional liquid coupled HD117 lens: 10 % full white: 1,100 lumens Boost mode: 180 ANSI lumens Normal mode: 150 ANSI lumens Economy mode: 120 ANSI lumens Measurement method conforms to ANSI IT7.215 standard. Measured with HQF 900 Lens
CRTs	New high brightness, high definition liquid cooled 8" electromagnetic CRTs with a newly designed LC gun
Optiken	New super high definition, air coupled, and fully color corrected F1.1 lenses, optimized for particular screen sizes Standard Lens HD8: Screen width from 4.6 ft./1.4 m up to 19.6 ft./6 m Optical resolution 10 line pairs/mm 1600 x 1250 ANSI pixels Optional lenses HD117-12: Screen width from 2.0 ft./0.6 m up to 5.0 ft./1.53 m HD117-24: Screen width from 5.0 ft./1.53 m up to 22.3 ft./6.8 m HRQ 804: Screen width from 4.6 ft./1.4 m up to 19.6 ft./6 m radius: 9.8-16.4 ft./3-5m
Frequenzen	Horizontal: 30-180 kHz autolock Vertical: 37-240 Hz autolock
Minimale Rücklaufzeit	Horizontal: < 1.8 μ s in range 30-130 kHz < 1.1 μ s in range 90-180 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
Geeignet für Taktsignale über	360 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 D15-connector, with automatic sync detection and polarity
Fernbedienung	A backlit, user-friendly infrared remote capability to control: <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 protectable) An optional executive remote control unit is available for control of source switching and user settings per source.
Leistung	Power factor corrected ranging between 100 and 240 VAC +6%/-10%
Leistungsaufnahme	800 w max.
Elektromagnetische Interferenz	The BarcoReality 908 complies with the principal protection requirements of Council Directive 89/336/EEC (EMC Directive). The BarcoReality 908 also complies with FCC Rules & Regulations 47 CFR Ch1 Part 15 Class A.
Sicherheitsstandards	The BarcoReality 908 complies with UL1950 and EN60950.

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Abstrahlung	The BarcoReality 908 complies with DHHS radiation emission standards 21 CFR Subchapter J.
Optional	<ul style="list-style-type: none">• Convergence on green• Geometry Lite• Geometry advanced• SEMU Advanced/Multifacet• Digital Contrast Modulation