

BARCODATA 1209s

Ultra-flexible, High-resolution Data Projector



The BARCODATA 1209s, BARCO's high-performance Video and Data large screen CRT projector, offers the definitive state-of-the-art performance for today's most demanding presentation and training applications. Its superb image quality, unequalled flexibility and wide source compatibility make it the product of choice for multimedia events, product presentation centres, trade shows, computer software training sessions, boardroom meetings,...

Ultra wide compatibility

- Horizontal autolock scan frequency of 15-75 kHz
- Standard Video (PAL, SECAM, NTSC) as well as S-Video (S-VHS, Hi8)
- RGB signals from a wide range of PC graphics boards up to resolutions of 1,280 by 1,024 pixels/70 Hz
- Wideband 120 MHz RGB amplifiers
- Universal signal connection facilities

Superb image quality

The BARCODATA 1209s delivers razor sharp and crystal clear images on screens up to 8.8 m (29 ft.) wide.

- Ultra-high definition, liquid cooled 9" electromagnetic focus CRTs with digitally controlled dynamic astigmatism guarantee razor sharp images
- Super-high definition liquid coupled F1.15 lenses provide outstanding image contrast
- State-of-the-art electronic circuitry result in optimal geometry, unequalled sharpness and true colour projection
- 3-line Comb filtering for sharper, noise free Video images
- Optional high quality Line Doubler (LiDo) for improved Video image quality

Unequalled flexibility

- Built-in Scheimpflug optical correction, with stepless adjustment, for optimal optical focus for projection under non-standard angles
- A series of options for multi-screen applications, non-standard projection angles,...
- Built-in IRIS³ automatic alignment system aligns both convergence and geometry of the projected image with exceptional accuracy



Technical specifications

Light output

At 10 % peak white: 1,250 lumens
 ANSI lumens:
 Economy mode: 195 ANSI lumens
 Normal mode: 240 ANSI lumens
 Boost mode: 270 ANSI lumens

CRTs

High brightness, high definition liquid cooled 9" CRTs with electromagnetic focus

Lenses

High definition, colour corrected F1.15 optical coupled lenses⁽¹⁾

Screen width

Min.: 2 m (6.6 ft.)
 Max.: 8.8 m (29 ft.)

Scan frequencies

Horizontal: 15-75 kHz autolock
 Vertical: 37-200 Hz autolock

Minimal retrace time

Horizontal: < 3.3 µs
 Vertical: < 300 µs

RGB bandwidth

120 MHz [-3 dB]

Horizontal linearity

< ±1.5 % distortion in the full horizontal frequency range

Inputs

- RGB or (R-Y, B-Y, 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)
- Video (PAL, SECAM, NTSC 3.58, NTSC 4.43), loop-through (2xBNC) with 75 Ohm termination switch
- S-Video input (4-pin mini-DIN), loop through with 75 Ohm termination switch (can also be programmed as a second Video input)

Special features

- CRT drive in 3 modes: normal mode, economy mode for longer life time of the CRTs, and boost mode for special applications
- On-screen menus selectable between English, French, German and Spanish

- 32 frequency-related memory banks
- LDI (Linear Digital Interpolation)
- Built-in Scheimpflug optical correction
- Automatic storing of all adjustments
- Ability to set parameters to midposition
- Colour temperature adjustment (3200 K, 4900 K, 6500 K, 9300 K or custom)
- D.D.A. (Digital Dynamic Astigmatism) guarantees superb focus quality from centre to corners of projected image
- 100 % modular construction: allows easy access to all controls and facilitates quick servicing
- 'Seagull' correction to improve corner geometry
- Separate East-West corrections for left and right side
- Built-in projection distance calculator
- Built-in IRIS³ unit for automatic convergence and geometry alignment
- Optional high quality Line Doubler (LiDo) for improved Video image quality
- 3-line Comb filtering

AC power consumption
 590 W max

Safety regulations
 The BARCODATA 1209s complies with UL 1950 and EN 60950.

Electromagnetic interference
 The BARCODATA 1209s complies with FCC Rules & Regulations, part 15 Class B (120 V version) and CE EN55022 Class B (230 V version).

Weight
 Net weight: 82 kg (181 lbs)
 Shipping weight: 112 kg (247 lbs)

Order information
 BARCODATA 1209s
 230 V R9002250
 120 V R9002259
 RCVDS 05 source selector
 230 V R9827880
 120 V R9827889
 Projector Control software R9827530
 Video Line Doubler (LiDo) R9828161

Executive remote control R9827970

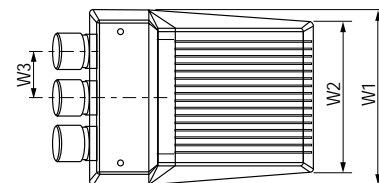
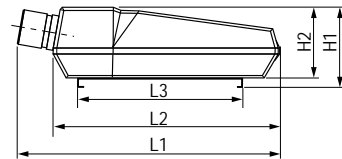
Remote infrared receiver R9827515

D9-BNC cable adapter R9827840

Communication cables
 5 m (16 ft.) R9827770
 15 m (50 ft.) R9827560
 30 m (100 ft.) R9827570

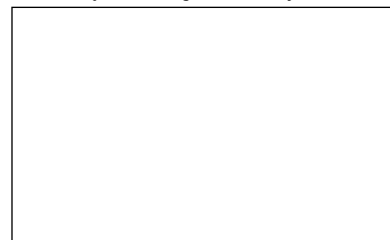
Ceiling mount 808/1200
 • With pulley system R9827341
 • Without pulley system R9827342
 Sturdy, transportable flight case R9827650

Special add-in boards
 • Contrast modulation kit R9828145
 • Orbiting kit R9827781
 • BCL link R9827862
 • Convergence on green R9828080
 • Tri-level sync input R9828040



Dimensions	mm	inch
L1	1,174	46.2
L2	1,014	39.9
L3	735	28.9
H1	355	13.9
H2	315	12.4
W1	782	30.8
W2	665	26.2
W3	208	8.2

(1) Standard with HD300 lenses, HD120 and HD180 lenses are optional
 BARCO Projection Systems is an ISO 9001 registered company.
 The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.



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