

RETRODATA 708

High Performance, Rear Screen Projection System

BARCO's new RETRODATA 708 projector is a high performance, stand-alone rear screen projection system, capable of displaying video and data images with outstanding light output, rich contrast and exceptional clarity, even under high ambient lighting conditions. The RETRODATA 708 is ideally suited for a wide range of presentation and training applications including multimedia events, trade shows, training seminars, educational institutions, teleconferencing centres and corporate boardrooms,...

Outstanding image quality

Based on an advanced optical concept, the RETRODATA 708 offers razor sharp and crystal clear images, even under high ambient light conditions.

- High-definition 7" CRTs
- Single front surface-coated optical grade mirror
- F1.1 colour corrected hybrid liquid coupled lenses
- 50" Fresnel/Lenticular-Blackstripe screen with very wide horizontal and vertical viewing angles
- Optional built-in Video line doubler

Broad compatibility

The RETRODATA 708 is compatible with a wide range of PC graphics boards with a resolution up to 1,280x1,024 pixels/60Hz

- Horizontal autolock scan frequency of 15-69 kHz
- Vertical scan frequency of 37-210 Hz
- RGB bandwidth of 75 MHz
- Universal input signal connection facilities



Technical specifications

Luminance

At 10% peak white:
2,000 Nit/582 ftL.

ANSI:

Economy mode: 176 Nit/52 ftL.
Normal mode: 234 Nit/69 ftL.
Boost mode: 277 Nit/81 ftL.

CRTs

High brightness liquid cooled 7" CRTs (5.4" useable phosphor area)

Lenses

High definition, fully colour corrected, liquid coupled F1.1 hybrid lenses

Optical resolution

10 lp/mm at 50% MTF throughout the field

Projection screen

- Size (diagonal): 50" (1.27 m)
- Type: Fresnel/Lenticular Blackstripe
- Pitch: 0.62 mm
- Viewing angle (50% brightness) Horizontal: $\pm 42^\circ$
Vertical: $\pm 13^\circ$

Scan frequencies

Horizontal: 15-69 kHz autolock
Vertical: 37-210 Hz autolock

Minimal retrace time

Horizontal: < 3.3 μ s
Vertical: < 450 μ s

RGB bandwidth

75 MHz [-3 dB]

Horizontal linearity

< ± 1.5 % distortion in the full horizontal frequency range

Inputs

- Video (PAL, SECAM, NTSC 3.58, NTSC 4.43) input on BNC-connector
- 4-pin S-Video (Y/C) input
- R(R-Y)/G(Y)/B(B-Y)/S input on BNC-connectors, sync on green or separate sync (autoselection and autopolarity), standard sync or Tri-level sync

- RS232 input (loop-through) for projector control through PC

Special features

- CRT drive in 3 modes: normal mode, economy mode for longer life time of the CRTs, and boost for special applications
- Auto-diagnosis LEDs for ease of maintenance
- Superb colour reproduction through Colour Transient Improvement, Automatic Black Level and Gamma-tracking
- On-screen menus selectable between English, French, German and Spanish (English-Chinese in option)
- 32 frequency-related memory banks
- LDI (Linear Digital Interpolation)
- Ability to set parameters and convergence to midposition with undo-function
- Colour temperature adjustment (3200 K, 4900 K, 6500 K, 9300 K or custom)
- Easily transportable cabinet, fits through any standard door opening

Power consumption

Max. 500 W

Safety regulations

The RETRODATA 708 complies with UL 1950 and EN 60950.

Electromagnetic interference

The RETRODATA 708 complies with FCC Rules & Regulations, part 15 Class A and CE EN55022 Class A.

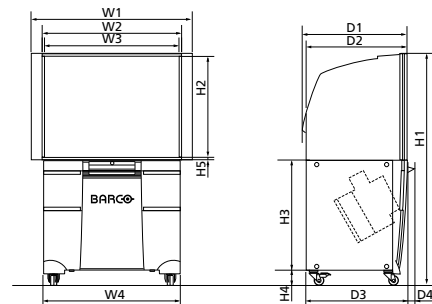
Weight

Net weight : 125 kg (275 lbs)
Shipping weight: 190 kg (419 lbs)

Order information

RETRODATA 708
230 V: R9002150
120 V: R9002159
RCVDS 05 source selector:
230V: R9827880
120 V: R9827889
IRIS² for Retro R9828420

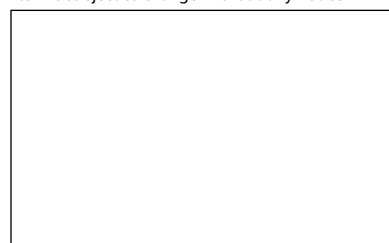
Line doubler kit	R9828161
Projector Control software	R9827530
Executive remote control	R9827970
Communication cables	
5 m (16 ft.)	R9827770
15 m (50 ft.)	R9827560
30 m (100 ft.)	R9827570
Remote infrared receiver	R9827515
Special add-in boards:	
- Contrast modulation kit	R9828145
- Orbiting kit	R9827781



Dimensions	mm	inch
W1	1,200	47.23
W2	1,038	40.86
W3	1,006	39.60
W4	1,020	40.16
D1	771	30.37
D2	745	29.34
D3	745	29.34
D4	70	2.76
H1	1,719	67.67
H2	752	29.61
H3	820	32.28
H4	110	4.35
H5	15	0.59

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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