BARCOGRAPHICS 1208s

Universal, High Resolution Graphics Projector

The BarcoGraphics 1208s is BARCO's latest ultra-high resolution graphics projector, designed to project razor sharp graphics images on screens up to 6 m (20 ft.) wide. The unit's exceptional resolution and universal input facilities make it the product of choice for the most demanding applications, such as industrial design, mapping, process control, simulation, CAD/CAM imaging, military command & control centers (C[3]I), as well as other applications where image quality can not be compromised.

Unmatched image quality
The BarcoGraphics 1208s renders large screen images with unprecedented visual fidelity on screens from 1.4 m (4.6 ft.) up to 6 m (20 ft.) wide.
• New, improved high resolution 8" CRTs with electromagnetic focus system
• High definition F1.06 hybrid lenses
• Optional built-in video line doubler improves video image quality

Wide compatibility
The BarcoGraphics 1208s features a display compatibility from VHS video to electronic workstations of 1,280x1,024 pixels, up to 2,500 by 2,000 pixel workstations
• Horizontal autolock scan frequency range of 15-135 kHz
• RGB bandwidth of 120 MHz
• Universal connection possibilities

Extremely flexible projector
• Built-in Scheimpflug optical correction for optimal optical focus for projection under non-standard angles
• A range of options for multi-screen installations, non-standard projection angles and special applications
• Extremely low RFI/EMI emissions
• Built-in IRIS[3] automatic convergence system aligns on-screen convergence in less than 2.5 minutes

IRIS[3]
intelligent tuning

new!

Now with built-in IRIS[3] auto-convergence

BARCO

Technical specifications

Light output
At 10 % peak white: 1,250 lumens
ANSI lumens:
Economy mode: 180 lumens
Normal mode: 210 lumens
Boost mode: 230 lumens

CRTs
New, improved, high brightness, high definition liquid cooled 8" electromagnetic focus CRTs

Lenses
High definition, fully colour corrected, F1.06 hybrid lenses, with centre + edge focus adjustment

Optical resolution
10 lp/mm at 50% MTF throughout the field

Screen sizes
Min.: 1.4 m x 1.05 m (4.6' x 3.45')
Max.: 6.0 m x 4.5 m   (20' x 15')

Scan frequencies
Horizontal: 15 - 135 kHz autolock
Vertical: 37 - 200 Hz   autolock

Minimal retrace time
Horiz.: < 2.5 μs in range 15-94 kHz
          < 1.25 μs in range 64-135 kHz
(switching point adjustable between 64 and 94 kHz)
Vert.:   < 200 μs

RGB bandwidth
120 MHz [-3 dB]

Horizontal linearity
< ±1.5 % distortion throughout the full horizontal frequency range

Inputs
• RGB or (R-Y, B-Y, Y) input on 5 BNC-connectors, 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 lifetime of the CRTs, and boost mode for special applications
• Multi-language on-screen menus: English, French, German and Spanish
• 32 memory banks
• LDI (linear digital interpolation)
• Effective on-screen display
• Automatic storing of all adjustments
• Ability to set parameters to midposition
• Colour temperature adjustment (3200K, 4900 K, 6500K, 9300K or custom)
• 'Seagull' correction to improve corner geometry
• Built-in projection distance calculator
• Built-in IRIS^3 auto-convergence unit
• A built-in Scheimpflug optical correction, with stepless adjustments for both horizontal and vertical axis guarantees optimal optical focus from left to right and top to bottom for projection under non-standard angles.

Rated power consumption
max 580 W @ 230 V
max 590 W @ 120 V

Safety regulations
The BarcoGraphics 1208s complies with UL1950 and EN60950

Electromagnetic interference
The BarcoGraphics 1208s complies with FCC part 15 Class B (120 V version) and CE EN55022 Class B (230 V version)

Weight
Net weight: 75 kg   (165 lbs)
Shipping weight: 105 kg (231 lbs)

Order information
BarcoGraphics 1208s
230 V   R9000893
120 V   R9000896
RCVDS 05 source selector
230 V   R9827880
120 V   R9827889
Video line doubler   R9828161

Projector Control software
                         R9827530
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
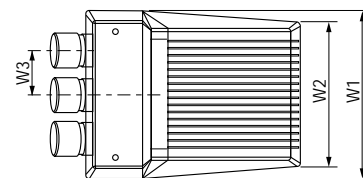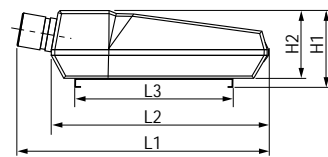30 m   (100 ft.)   R9827570
Ceiling mount with pulley system
                         R9827341
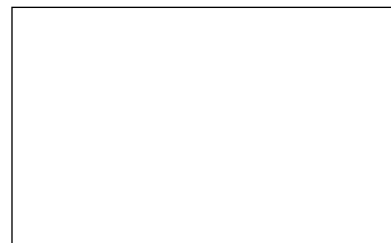Flight case   R9827650
Special add-in boards
• Contrast modulation kit
                         R9828145
• Orbiting kit   R9827781
• BCL link   R9827862
• Convergence on green
                         R9828080
• Tri-level sync input   R9828040

Dimensions	mm	inch
L1	1,135	44.7
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	180	7.1

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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