BARCOGRAPHICS 808s

High Performance Graphics Projector

The BARCOGRAPHICS 808s is BARCO's new high performance graphics projector designed to project crystal clear images from a wide range of high resolution computer graphics workstations and PC graphics boards on screens up to 6 m (20 ft.) wide. The BARCOGRAPHICS 808s is ideally suited for high resolution applications such as CAD/CAM, process control, command and control management centres and simulation.

Outstanding image quality
The BARCOGRAPHICS 808s renders large screen images with unprecedented visual fidelity on screens from 1.4 m (4.6 ft.) up to 6 m (20 ft.) wide.
• High resolution 8" CRTs with electromagnetic focus system
• High definition F1.06 hybrid lenses
• Optional built-in video line doubler

Broad compatibility
The BARCOGRAPHICS 808s features a display compatibility from VHS video up to 1,600 by 1,200 pixel workstations.
• Horizontal autolock scan frequency range of 15-110 kHz
• Vertical scan frequency of 37 - 200 Hz autolock
• RGB bandwidth of 120 MHz
• Universal connection possibilities

Extremely flexible projector
• Built-in stepless Scheimpflug optical correction for optimal optical focus for projection under non-standard angles
• A range of options for multi-screen applications, non-standard projection angles,...
• Extremely low RFI/EMI emissions: FCC part 15 Class B (120 V version) and CE EN55022 Class B (230 V version)
• Built-in IRIS[3] automatic alignment system aligns on-screen convergence and geometry in less than 2.5 minutes

IRIS[3]
intelligent tuning

New!

Now with Built-in IRIS[3]
Auto-Convergence
Auto-Geometry

BARCO

Technical specifications

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

CRTs
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 - 110 kHz autolock
Vertical: 37 - 200 Hz   autolock

Minimal retrace time
Horiz.:   < 2.5 µs
Vert.:   < 300 µs

RGB bandwidth
120 MHz [-3 dB]

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

Inputs
• RGB or Component (R-Y, B-Y, Y)
input on 5 BNC-connectors, with
sync on green or separate sync,
automatic sync detection and
sync polarity
• RGB analog input on D9-
connector with automatic sync
detection and sync polarity
(optional D9-BNC adapter
available)
• Video (PAL/ SECAM/ NTSC 4.43 /
NTSC 3.58), 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 frequency-related memory
banks
• LDI (Linear Digital Interpolation)
• Effective on-screen display
•Ability to set parameters to
midposition
• Colour temperature adjustment
(3200 K, 4900 K, 6500 K, 9300 K
or custom)
• A built-in Scheimpflug optical
correction, with stepless
adjustments for both horizontal
and vertical axis
• 'Seagull' correction to improve
corner geometry
• Built-in projection distance
calculator
• Built-in IRIS[3] convergence and
geometry alignment system

Power consumption
500 W

Safety regulations
The BARCOGRAPHICS 808s complies
with UL1950 and EN60950

Electromagnetic interference
The BARCOGRAPHICS 808s complies
with FCC part 15 Class B (120 V
version) and CE EN55022 Class B
(230 V version)

Weight
Net weight: 67 kg   (148 lbs)
Shipping weight: 83 kg   (183 lbs)

Order information
BARCOGRAPHICS 808s
230 V   R9000902
120 V   R9000907

RCVDS 05 Source Selector
230 V   R9827880
120 V   R9827889

Projector Control software
                          R9827530

Executive remote control
                          R9827970

Line doubler kit   R9828161

Remote infrared receiver
                          R9827515

D9-BNC cable adapter   R9827840

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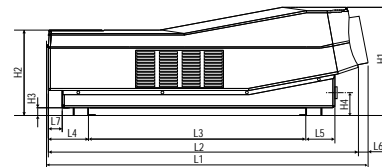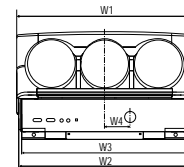15 m   (50 ft.)   R9827560
30 m   (100 ft.)   R9827570

Ceiling Mount 808/1200
• with Pulley System   R9827341
• without Pulley System R9827342

Flight case   R9828110

Special add-in boards
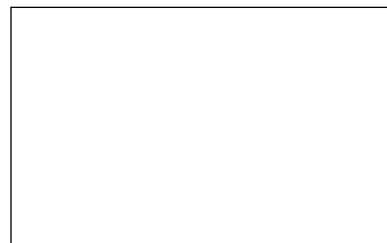• Contrast modulation kit
                           R9828145
• Orbiting kit   R9827781
• BCL link   R9827861
• Convergence on green
                           R9828080
• Tri-level sync input   R9828040

Dimensions	mm	inch
L1	1,076	42.36
L2	1,040	40.94
L3	728	28.66
L4	136	5.35
L5	96	3.78
L6	32	1.26
L7	46	1.81
H1	362	14.25
H2	286	11.26
H3	27	1.06
H4	75	2.95
W1	590	23.23
W2	576	22.68
W3	558	21.97
W4	86	3.39

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.

BARCO