BARCODATA 9200

Ultra-High Brightness LCD Light-Valve Projector

The BarcoData 9200 is an ultra-high brightness LCD light-valve projector, which offers more than 10 times the light output of conventional LCD light-valve projectors. Thanks to a powerful, state-of-the-art, highly efficient optical system, based on a 1500 Watt metal-halide lamp, the BarcoData 9200 offers an incredible light output of 6,000 lumens full white. This makes it a powerful display device for demanding applications in high ambient light conditions such as sporting venues, concerts, auditoriums, public information displays,...

Extremely high brightness optical system
The BarcoData 9200 is based on an innovative high efficiency optical system, which is capable of delivering extremely bright projected images on screens up to 15 m (50 ft.) wide.

- Powerful 1500 Watt metal-halide lamp
- Three active matrix 5.8" LCD panels with a resolution of 756 x 556 pixels

Wide compatibility

- Video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component (Y, R-Y, B-Y) and RGB format
- Most computer signals from PC graphics boards: CGA, EGA, VGA, S-VGA, XGA, up to 1,180 x 900 pixels/60 Hz
- Most Macintosh computers
- Electronic workstations with a resolution up to 1,180 x 900 pixels/60 Hz
- Most computer sources with a pixel clock <80 MHz

Ultimate flexibility

- User adjustable geometry corrections (keystone, image size, shift...)
- Extensive user facilities including zoom, freeze and built-in test patterns
- Wide range of high definition lenses
- Can be easily installed in table or ceiling mount configuration and can project onto any front or rear screen
- Dual or triple mount configurations

5,000 ANSI lumens
6,000 lumens full white

BARCO

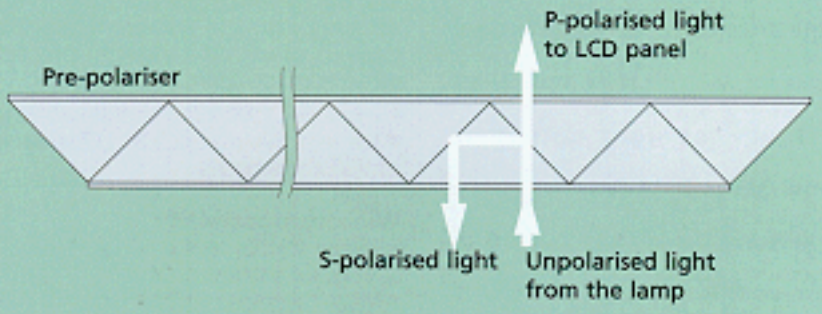
Ultra-high brightness LCD video and data projector

Ultra-high brightness optical system

The BarcoData 9200 is based on an innovative high efficiency optical system, with a powerful 1500 Watt metal-halide lamp and three active matrix 5.8" LCD panels with a resolution of 756 x 556 pixels.

A proprietary, state-of-the-art pre-polariser polarises the light from the lamp in an extremely efficient way before it reaches the LCD panels. The light polarised in the other direction is reflected on the pre-polariser and absorbed by the lamp.

This system guarantees a highly efficient polarisation of the light and eliminates excessive thermal dissipation of the polariser on the LCD panel.



The BarcoData 9200 is equipped with a proprietary ultra-high brightness 1500 Watt metal-halide lamp, which offers an extremely high light output over the full lifetime of the lamp.

Logical on-screen menus
The BarcoData 9200 features logical on-screen menus, accessible through a convenient back-lit infrared remote control unit.

Extensive user facilities including zoom, freeze and built-in test patterns provide superior control and unmatched versatility.

Intelligent Pixel Map Processor
Equipped with a high-performance, proprietary Pixel Map Processor, the BarcoData 9200 is compatible with a wide range of computer data and graphics standards including CGA, EGA, VGA, SuperVGA (800x600) and XGA (1,024x768), as well as workstations with resolutions up to 1,180x900 pixels.

The Pixel Map Processor converts all incoming signals to the full resolution of the LCD panels in order to maximise the light output and resolution of the projector.

The Pixel Map Processor calculates every pixel to be displayed by means of state-of-the-art digital signal processing techniques. The result is optimal picture quality, with smooth and exceptionally readable characters.

Flexible installation configurations
The BarcoData 9200 can be used in front or rear screen installations, and in table or ceiling mount configurations. In addition, the projector can be integrated in a dual or triple stacked configuration on a single screen. User adjustable geometry corrections (keystone, image size, shift,...) provide perfect image geometry for non-standard applications.

Technical specifications

Light output
6,000 lumens full white
5,000 ANSI lumens
Brightness uniformity:
> 80% for the total screen.

LCD panels
3 active matrix LCD panels (5.8" diagonal), with a resolution of 756 x 556 pixels, resulting in an overall resolution of over 1.2 million pixels, and selected for a minimum of pixel defects.(1)

Lamp
1500 Watt metal-halide lamp
Typical lifetime: 1,000 hours with a brightness maintenance of 80 %

Available lenses
- Fixed focal length lenses are available with a throw ratio of 1.2, 2.2, 3.3, 4.0, 5.0 or 7.0:1.
- Variable focus lenses:
  - throwing distance= 1.5 - 3 times the screen width
  - throwing distance= 3 - 5.3 times the screen width
- Anamorphic lens with a throw ratio of 3.5:1 (16:9 aspect ratio)
- Lens with a very short throw ratio of 0.9:1, for use with a special version of the BarcoData 9200.

Lens type	Order Nr
HD (1.2:1)	R9829200
HD (2.2:1)	R9829060
HD (3.3:1)	R9829075
HD (4:1)	R9829145
HD (5:1)	R9829180
HD (7:1)	R9829090
HD (1.5-3:1) (zoom)	R9829150
HD (3-5.3:1) (zoom)	R9829190
WHD (3.5:1) (anamorphic)	R9829320
HD (0.9:1)(2)	R9829550

Screen sizes
Min.: 1 m x 0.75 m (3.3' x 2.5')
Max.: 15 m x 11.25 m (50' x 37.5')

Contrast ratio
>180:1 (on 5x4 B/W checkerboard)
>340:1 (full white/full black)

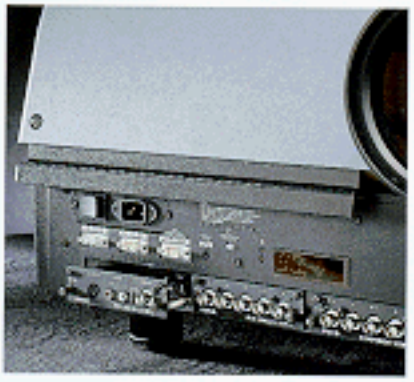
Remote control
All controls are accessible through a soft-touch panel or a user-friendly backlit infrared remote control.
- Source switching
- User settings per source
- Installation and service adjustments

Inputs
The projector has 4 input slots. Four different types of input modules are available:

- Video / S-Video input:
  Video on BNC, S-Video on 4-pin mini-DIN connector
- Component Video input
  (Y, R-Y, B-Y, S) on 4 BNC connectors
- RGB analog input with standard sync (BNC connectors), sync on green or separate sync
- RGB analog input with tri-level sync (BNC connectors), sync on green or separate sync

Furthermore, there are:
- RS232 loop-through input (D9-connector) for PC based projector control.
- Communication input (D9-connector) for peripherals

Compatibility
The BarcoData 9200 is compatible with:
- All current video sources (PAL, SECAM, NTSC 3.58, NTSC 4.43) in Composite, S-VHS, RGB or Component forms
- All currently proposed HDTV, extended and improved television standards (Eureka 95, Hi-Vision, ACTV, IDTV, EDTV,...)
- All computer graphics formats from CGA, EGA, VGA (640x480), S-VGA (800x600), XGA (1,024x768) up to 1,180x900 pixels/60 Hz
- Most Macintosh computers
- Electronic workstations with a resolution up to 1,180x900 pixels/60 Hz
- Most sources with a pixel clock <80 MHz

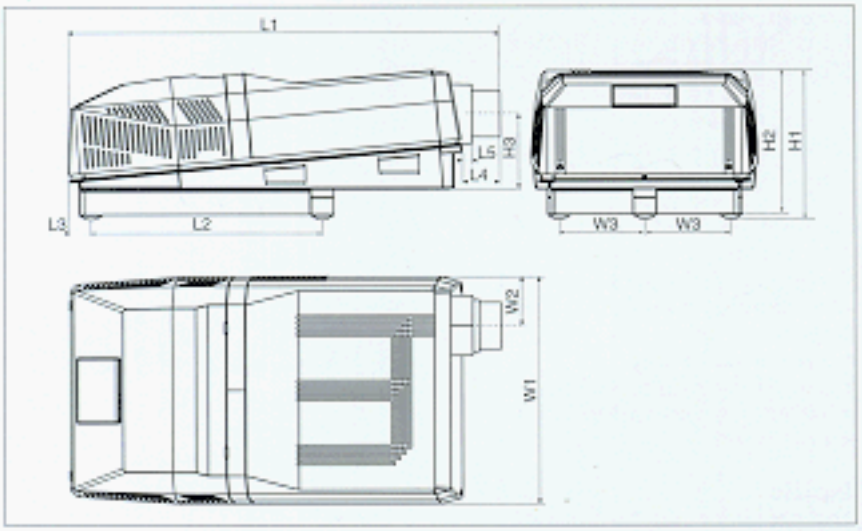


The BarcoData 9200 has a modular input design which accommodates a variety of input modules for different video and computer data sources.

Input modules	Order nr
Video/S-Video	R9827900
RGB analog (standard sync)	R9827910
RGB analog (tri-level sync)	R9827920
Component Video	R9827930

Special features
- Extensive geometry adjustments (Image size, shift, keystone,...), can also be adjusted through the RS232 communication port
- Extended user facilities including zoom, freeze,...
- Internal test patterns (crosshatch, colour bars, greyscale,...)
- External auto-diagnostics with 2 x 7 segment LED display
- Built-in help menus
- Intuitive on-screen display: Installation and service screens, barscale display of user settings, on-screen display of selected source
- Adjustable leveling feet
- Colour temperature adjustment (3200K, 6500K, 9500K or custom)
- Optional light shutter blanks image when paused
- An optional multifunctional frame facilitates carrying the projector and protects it against impacts. It also allows quick and easy set-up of the projector for dual or triple stacked applications
- Optional built-in adjustable lens holder, ideal for dual or triple stacked configurations

(1) Further information is available on request.
(2) Requires special version of the BarcoData 9200.



Dimensions	mm	inch
L1[4]	1,209-1,259	47.60-49.57
L2	702	27.64
L3	42	1.65
L4[4]	110-160	4.33-6.30
L5	27	1.06
W1	630	24.8
W2	135	5.31
W3	284	11.18
H1	422	16.61
H2	399	15.71
H3	209	8.23

Safety regulations
The BarcoData 9200 complies with UL1950 and EN60950

Electromagnetic interference
The BarcoData 9200 complies with FCC Rules & Regulations, part 15 Class A and CE EN55022 Class A

Warm-up time
Less than 3 minutes to meet full specifications

AC power
Power factor pre-regulated SMPS, 240 VAC±10 %/50-60 Hz

Power consumption
Max. 2,000 watts [230 VAC/9 A]

Weight[3]
Net weight 85 kg (187 lbs)
Shipping weight 115 kg (254 lbs)

Accessories included
- Infrared remote control
- Owner's & installation manual
- Power cord with CEE (7)VII plug

Order information

BarcoData 9200[3]	R9001260
RCVDS 05 source selector	
230 V:	R9827880
120 V:	R9827889
VS05 Video/HDTV source selector	R9827890
Remote infrared receiver	R9827515
Multifunctional frame	R9829650
Mirror for multifunctional frame in vertical position	R9829680
Ceiling mount CM 100 LCD	
• With pulley system	R9829620
• Without pulley system	R9829621
1500 W metal-halide lamp	R9829525
Service tool kit	R9829241
Light shutter	R9829270

(3) Without lens nor inputs. Lenses and inputs are sold separately.
(4) With HD(4.0:1) lens. Dimensions for other lenses are available on a separate data sheet.

BARCO Projection Systems is an ISO9001 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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