

BARCOVISION 708 SERIES



The
Ultimate
Large Screen
Multimedia Experience

BARCO

BARCOVISION 708MM & BARCOVISION 708

Photo courtesy: Home Theater Magazine



Home Theater

Cine-excitement at home

The BARCOVISION 708 SERIES offers images so true-to-life that they appear as bright and crisp as normal film, with unparalleled clarity, deep, rich contrast and exceptional colour fidelity.

The BARCOVISION 708 SERIES is designed to accommodate all worldwide video standards as well as Super-Video and HDTV signals, with an easy switching between 4:3, 16:9 aspect ratio and other screen formats.



Picture top:
conventional LCD-projection

Picture bottom:
BARCO CRT-projection

Unsurpassed image quality

In contrast with conventional LCD projectors, the high brightness CRT tubes of the BARCOVISION 708 SERIES generate their own light and concentrate their full light output where needed in the picture. In combination with the high definition lenses and the superb colour reproduction, this leads to breathtaking full colour images, so powerful and lifelike that they jump of the screen.



Flicker free picture reproduction

BARCO's optional digital linedoubler (LiDO) significantly reduces the visible line structure in the projected image. The result is a smoother, more film-like image (picture right) in comparison with standard video projection (picture left).

The ultimate thrill of large screen mult



Entertainment

The BARCOVISION 708 SERIES offers a 'larger than life' multimedia immersion for breathtaking game action, websurfing and interactive video entertainment.

Unlimited source compatibility with an almost limitless array of input facilities: computer, DVD, HDTV, laser disc, video tape recorder, videogame stations, camera, demodulated satellite and antenna signals,...

Switching input sources is just a matter of pushing the button. The projector instantly recognizes the new signal source and can immediately switch to the appropriate display settings for this source.

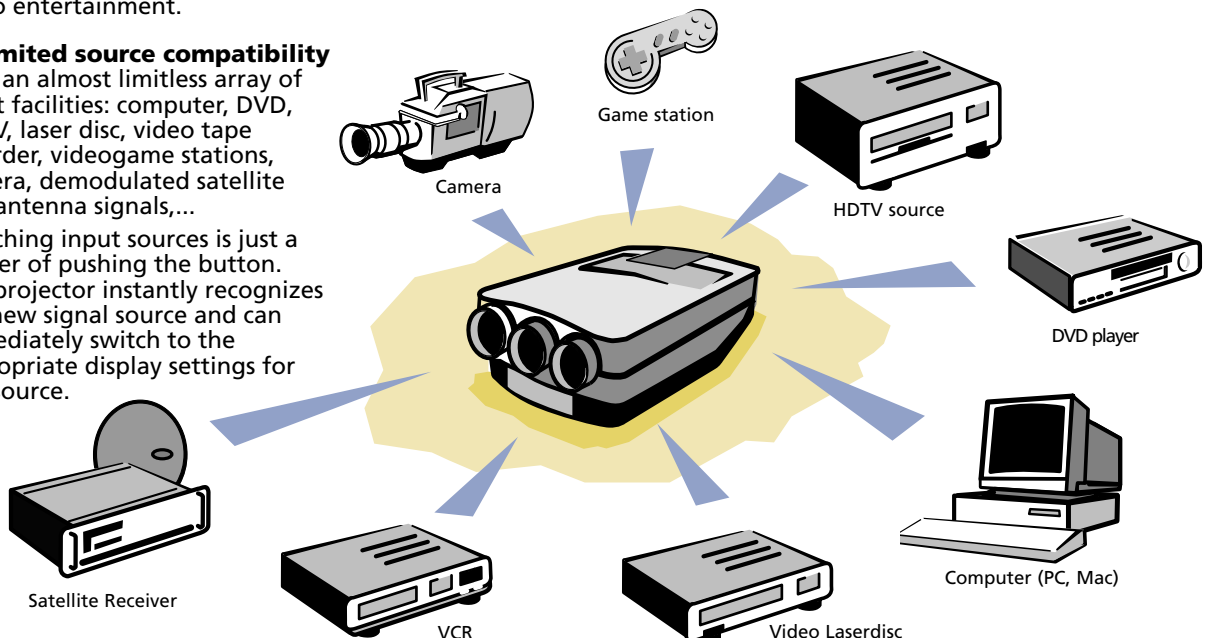


Photo courtesy: Nintendo

media projection

Thanks to its professional performance, the use of the BARCOVISION 708 SERIES is far from restricted to the home. It also performs outstandingly in conference and boardrooms for presentation and training applications.

Extreme flexibility and userfriendliness

The BARCOVISION 708 SERIES can be used for front screen or rear screen projection, on flat or curved screens, while incorporated into the ceiling or hidden in a table.

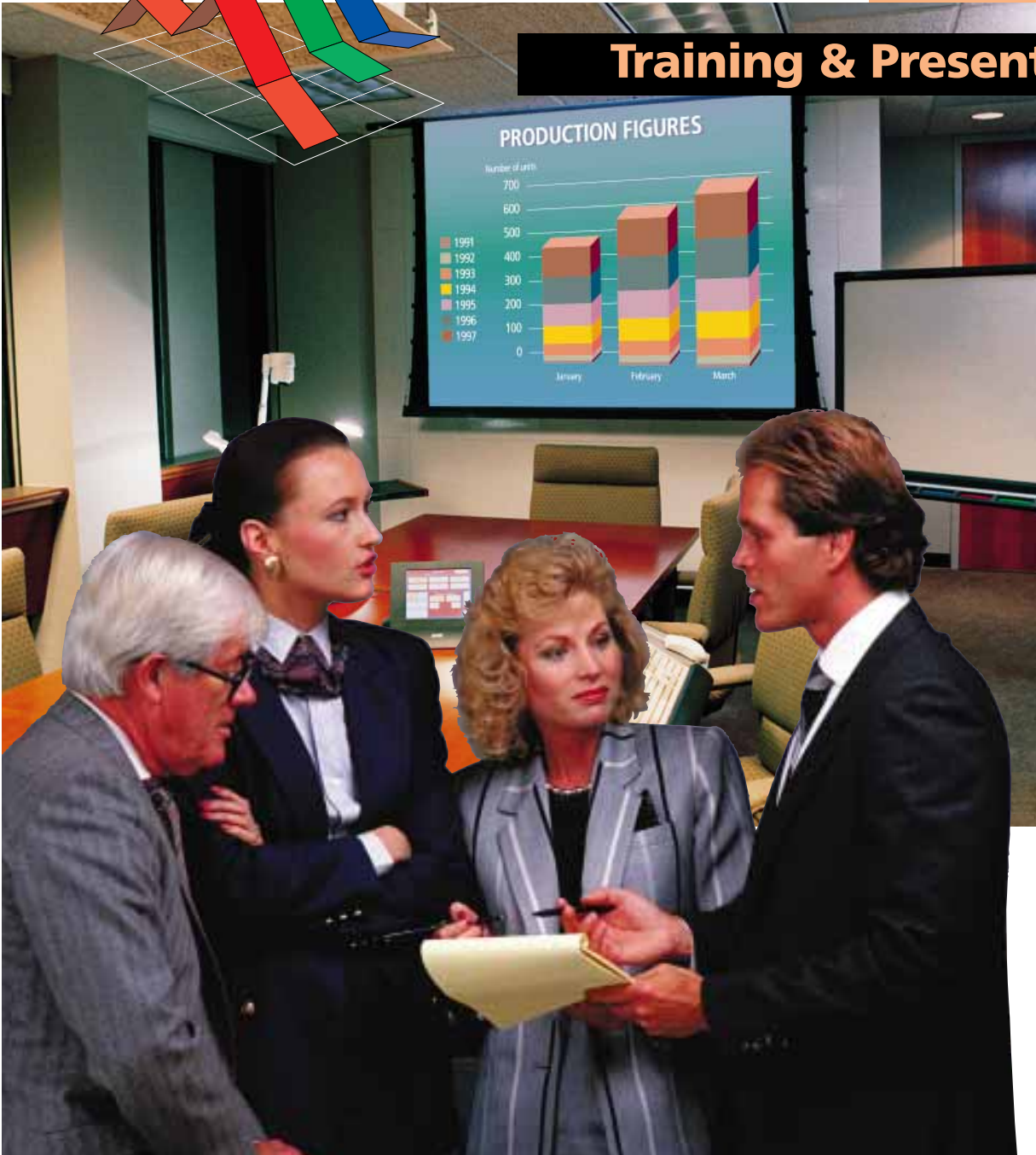
All settings and parameters can easily be controlled through a convenient backlit infrared remote control and on-screen menus.



BARCO's IRIS³ automatic tuning system allows to effortlessly align the geometry and convergence of the projected image. Works faster and with more accuracy than ever before!



Training & Presentation



Presentation room at Security First Technology, USA.

Your Connection to the World of Multimedia



The BARCOVISION 708 SERIES delivers the very best in large screen multimedia projection today. It offers unmatched performance for striking cinematic impact at home on screens from 1.4 m (4.6 ft.) up to 6.6 m (21.7 ft.) wide. It widens your scope on the internet and takes videogames into breathtaking interactive fun. Thanks to its broad computer compatibility (with up to an XGA resolution of 1,024 x 768 pixels) it dramatically enhances the impact of computer presentations.



BARCOVISION 708 SERIES

Resulting from BARCO's many years of experience in designing professional projection systems for high-end applications (simulators, control rooms, etc...) as well as for home and business environments, the BARCOVISION 708 SERIES gives you the ultimate thrill of large screen multimedia projection.

BARCOVISION 708MM

Its high-resolutions lenses (Resolution of 10 line pairs per mm) result in the sharpest video reproduction, the clearest data and graphics. An economy and a boost mode enable you to modulate the CRT light output to your requirements to ensure an extra long lifetime of the Cathode Ray Tubes. This multimedia projector is standard equipped with the IRIS³ automatic convergence system and is line doubler (LiDo) compatible.

BARCOVISION 708

This projector features high light output lenses and a resolution of 5 line pairs per mm. It is compatible with BARCO's IRIS³ (optional) and is also line doubler LiDo compatible.



Technical specifications

Light output

- BARCOVISION 708 MM:
At 10 % peak white: 1,100 lumens
ANSI lumens:
- * Economy mode: 130 ANSI lumens
- * Normal mode: 170 ANSI lumens
- * Boost mode: 200 ANSI lumens
- BARCOVISION 708:
At 10 % peak white: 1,200 lumens

CRTs

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

Lenses

- BARCOVISION 708 MM:
High-definition F1.03 lenses with
a combination of glass and plastic
aspherical elements, with
center+edge focus adjustment
- BARCOVISION 708:
High Brightness F1.00 lenses with
center+edge focus adjustment

Scan frequencies

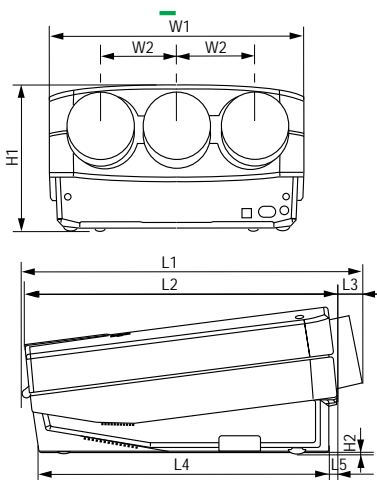
- BARCOVISION 708 MM:
Horizontal: 15-50 kHz autolock
Vertical: 37-210 Hz autolock
- BARCOVISION 708:
Horizontal: 15-30/35 kHz autolock
Vertical: 37-210 Hz autolock

Minimal retrace time

- Horizontal: < 4.7 μ s
- Vertical: < 450 μ s

Optical resolution

- BarcoVision 708 MM: 10 lp/mm
- BARCOVISION 708: 5 lp/mm



RGB bandwidth

- BARCOVISION 708 MM:
45 MHz [-3 dB]
- BARCOVISION 708:
20 MHz [-3 dB]

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 (autodetect), standard sync or Tri-level sync

Compatibility

- All current video sources (PAL, SECAM, NTSC) in Composite, S-Video (S-VHS, Hi-8), RGB or Component forms
- All currently proposed HDTV, extended or improved television standards
- All computer graphics boards with resolutions up to 1,024 x 768 pixels/60 Hz

AC power consumption

350 Watts

Safety regulations

The BARCOVISION 708 SERIES complies with UL 1950 and EN 60950.

Electromagnetic interference

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

Weight

- Net weight: 84 lbs / 38 kg
- Shipping weight: 121 lbs / 55 kg

Dimensions

	inch	mm
L1	28.62	727
L2	26.34	669
L3	2.05	52
L4	24.45	621
L5	0.75	19
H1	11.89	302
H2	0.19	5
W1	21.65	550
W2	6.46	164

Shipping Dimensions

	inch	mm
L	35.00	880
H	16.00	420
W	28.00	669

Screen sizes

Easy switching between

- 4:3 aspect ratio
Min.: 4.6' x 3.5' / 1.4 m x 1.05 m
Max.: 21.7' x 16.2' / 6.6 m x 4.95 m
- 16:9 aspect ratio
Min.: 4.6' x 2.6' / 1.4 m x 0.79 m
Max.: 21.7' x 12.2' / 6.6 m x 3.79 m



4 : 3



16 : 9

Order information

BARCOVISION 708 MM with IRIS ³ 230V	R9002321
BARCOVISION 708 MM with IRIS ³ and Line doubler kit (LiDO) 230V	R9002322
BARCOVISION 708 230V	R9002320
IRIS ³ automatic convergence system	R9828425
Line doubler kit (LiDo)	R9828161
Projector Control software	R9827530
RCVDS 05 source selector 230 V	R9827880
120 V	R9827889
VS05 Video/HDTV source selector	R9827889
Executive remote control	R9827970
Remote IR receiver	R9827515
Ceiling mount 700	
• With pulley system:	R9827990
• Without pulley system:	R9827991

Videogame screen on cover page:
Photo courtesy: Nintendo

All movie pictures: Photo DR, Collection Cinestar
• Cover page (from left to right): 'Baby Doll' -
'Indiana Jones: The last crusade' - 'Bambi'
• Page 2 (on the screen): 'Dangerous Liaisons'

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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