



ULTRA REALITY 7000

THE COMPACT, HIGH RESOLUTION PROJECTION SOLUTION



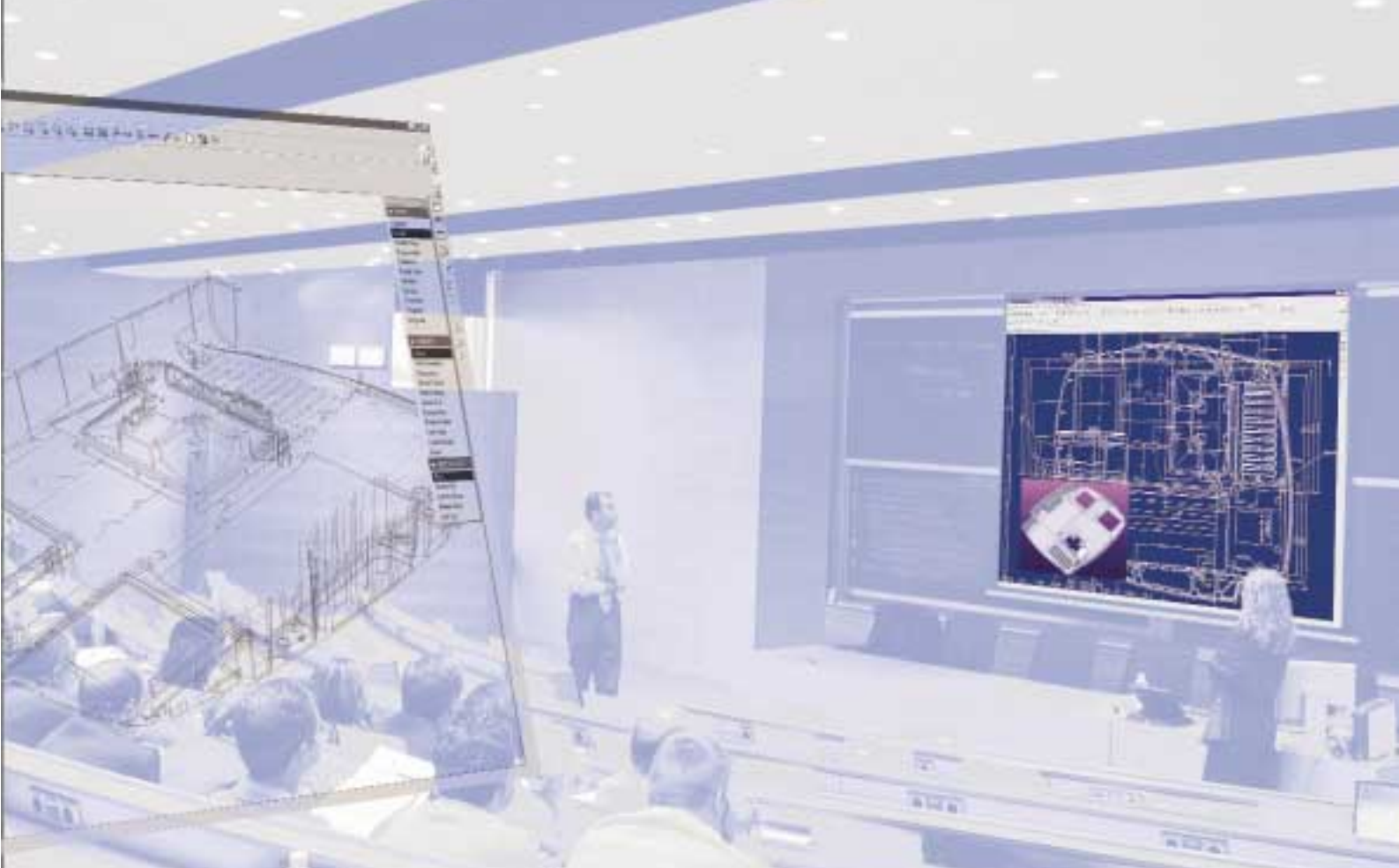
ULTRA

Ultra-high resolution projection power in

The Barco ULTRA REALITY 7000 combines ultra-high-resolution, enhanced contrast and advanced digital signal processing. It delivers compelling visual presentations with superb detail and clarity.

With its 3,500 ANSI lumens brightness and UXGA resolution, the Barco ULTRA REALITY 7000 is the ideal projection solution for presentation and training applications when high resolution is required for the audience's accurate analysis of images and data.

The ULTRA REALITY 7000 is designed for **corporate applications** that incorporate the discussion of large detailed spreadsheets in meetings, **engineering environments** where CAD/CAM drawings and manufacturing data must be presented with complete accuracy, and **medical imaging** applications where the fine details of X-rays, digital radiography and ultrasound are critical. The 7000's ultra-high resolution images are also ideal for viewing GIS databases and video postproduction applications. All these specific markets require the utmost in image detail; the ULTRA REALITY 7000 is the most compact projector available that fulfills this need.



REALITY 7000

a compact design

- Ultra-high resolution (UXGA) in a compact design
- Sharp, true-to-life images
- Picture-in-picture: show 2 sources simultaneously
- Connect virtually any source
- Seamless source switching, with transition effects
- Remote control & diagnostics



1600 x 1200

Excellent image quality

For applications where ultra-high resolution is required

The ULTRA REALITY 7000 projector (UR 7000) is the ideal projector solution for presentation and training venues that require very detailed images. Like when displaying medical images, spreadsheets, technical drawings, GIS (Geographical Information Systems) databases etc. For high-definition video applications, the UR7000 includes an optional HD-SDI (High Definition Serial Digital Interface) connection.

Superior contrast

It's not only about ultra-high resolution, it's also about the right level of contrast. Thanks to Barco's choice of precision optical elements, and three high performance 1,8" polysilicon UXGA LCD panels, the UR 7000 delivers superior image quality with a contrast ratio of >550:1.

Optimal character legibility

Barco's pixel map processing technology optimizes the resolution of the incoming source automatically to map the resolution of the LCD panels, which results in crisp graphics, smooth and exceptionally clear characters.

Unsurpassed color uniformity and accuracy

Barco's exceptional image tuning facilities, result in remarkable color and grayscale uniformity. Furthermore, Barco's patented True Color Reproduction (TCR^{plus}) software enhances the quality of conventional video sources. The result is vibrant images with remarkable color depth, sharpness, and clarity.



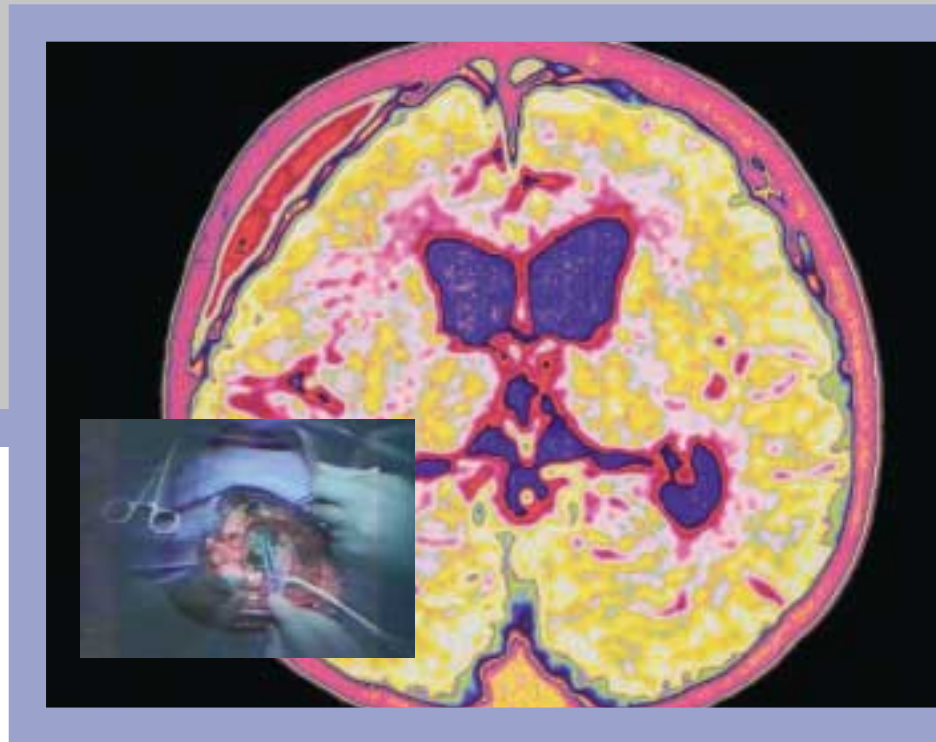
Show multiple sources simultaneously

The advanced technology of the UR 7000 allows you to show up to two sources at the same time. This will enable you to get your message across in a more powerful way.

For example, in a postproduction environment, you can display two video sources at the same time. In a medical environment, you are able to display a live image taken during a surgery, along side an X-ray image. This feature allows medical experts to easily compare data and discuss their findings.

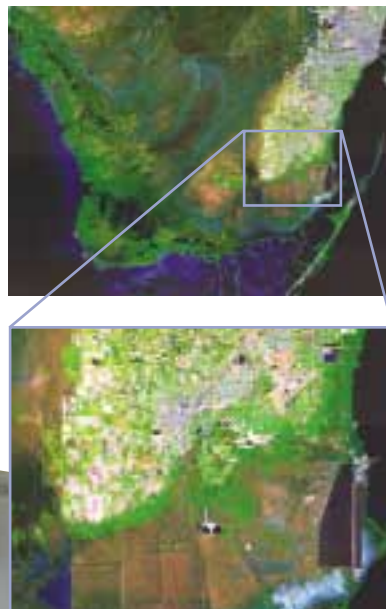
The **picture-in-picture** functionality of the UR7000 allows you to show simultaneously one data and video source; or two video sources.

With the projector's remote control, you can resize and move the scalable source windows to create the perfect layout for your meeting. You then can save your preferred settings and screen arrangements, so that it can be recalled instantly the next time you need it.



Digital Zoom

The UR 7000 projector allows you to digitally zoom inside a source window and scroll for the details you want to emphasize. All actions take place without freezing the image, thanks to the UR 7000's real-time image processing capability.



Most compact UXGA projector

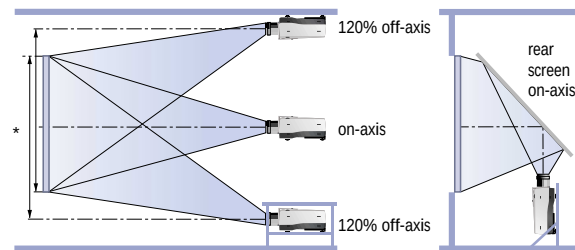
Low noise level
<39 dBA

Barco's UR 7000 projector is the most compact UXGA projector on the market today. Unlike other high resolution projector solutions, you can easily carry the UR 7000 projector from one meeting room to the next. This way you can share the projector's specialized capabilities to display ultra-high resolution images across several meeting rooms within your company. With its low noise level (<39 dBA), it is definitely the only UXGA projector available that will not disturb the meeting participants.

Easy to install

The UR 7000 projector is not only compact and transportable, it's easy to install. Several functionalities like extreme vertical and horizontal **lens shift** and **keystone correction** are included in the UR 7000 projector to enhance ease of installation.

Eight high-quality lenses are available for the UR 7000 to make sure the projector fits the design of your meeting room. The projector can be mounted on the ceiling or placed on a table, and can be used for front or rear projection. This flexibility makes it adaptable to almost any meeting room.



(*) 120% of screen height

Choose from a vast array of accessories

Accessories such as the ceiling mount, multifunctional frame, and soft and rugged flight cases offer a variety of transport and set-up possibilities.

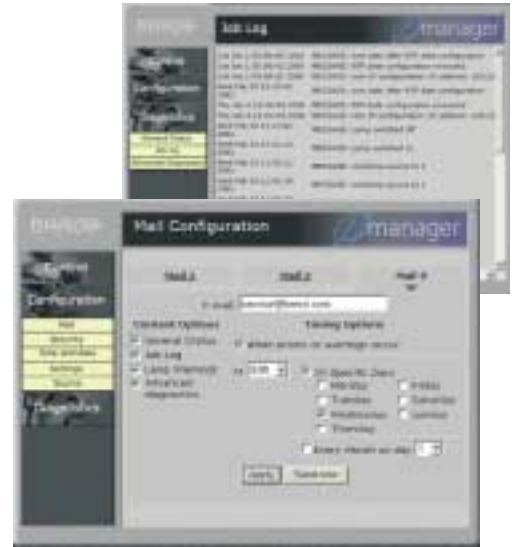
Remote control & diagnostics

Remote management of installed projectors

Using the optional Ethernet 10-base T interface, the projector can be connected to a LAN/WAN easily. This way the UR 7000 can be fully managed by the AV Facility Manager from his desk or any remote location, over the existing LAN network. At the start of the day, he can start up the projector or put it in standby from his desk, based on the use of the meeting rooms. All typical projector functions (including source selection, brightness, contrast, etc.) can be controlled from the IT or AV department.

Faster diagnostics and maintenance

The UR 7000 projector itself can send an email to the AV Facility Manager to update him on relevant status information (like lamp life, total runtime of projector, software version, etc). This will result in improved and faster maintenance service. This networking feature results in a lower total cost of ownership and facilitates the integration of the projection device in the company.



Connect any source

The BARCO ULTRA REALITY 7000 features configurable BNC inputs and displays brilliant, ultra-high resolution images from virtually any computer or video (analog/digital) source.

- Analog video sources: All VHS, S-VHS, Component (Y, R-Y, B-Y) and RGB formats, HD-ready
- Data sources: computers and workstations with a resolution of up to 2048 x 1536 pixels
- Digital Visual Interface (DVI), up to UXGA
- Serial Digital Input (SDI)
- Optional High Definition Serial Digital Input (HD-SDI)

Maximum ease-of-use thanks to auto-image recognition

Each projector automatically identifies the input source signal mode and optimizes all display settings accordingly. This guarantees an optimal image quality without manual adjustments. You can concentrate on your presentation without the distraction of having to constantly fiddle with adjustments



Make sure your logo is always there

You can pre-program your company logo, or some other appropriate image, to appear on the screen. Then during intermissions or long discussions, the screen never goes blank. With one click on the remote control, you can switch from the displayed source to a full-color rendition of your logo or image.

Seamless source switching ...

Switch sources on-the-fly without distracting on-screen warning messages or irritating waiting intervals.

... or use special transition effects.

Use special effects like box-in/box-out or vertical curtains to change sources. This will increase the momentum of your presentation.



Barco ULTRA REALITY 7000 Specifications

Light Output

3,500 ANSI lumen⁽¹⁾

Brightness uniformity: >85 % for the total screen

LCD Panels

3 active matrix 1.8" diagonal U-XGA polysilicon LCD panels with Micro Lens Arrays and a resolution of 1600 x 1200 pixels (aspect ratio 4:3).

Lamp

600 Watt metal-halide arc lamp

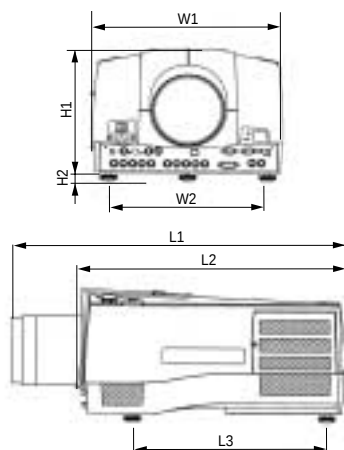
Available Lenses

- Fixed focal length lenses are available with a throw ratio of 1.27, 2.5 or 7.0:1.
- Variable focus lenses with a throw distance of 1.4-2.0, 2.1-3.0, 3.4-4.5 or 4.5-6.0 times the screen width
- Lenses with a very short-throw ratio of 0.86:1, specially designed for rear-screen on-axis projection.

Lens Type	Order No.
Motorized Zoom Lenses	
QFD (1.4 - 2.0:1)	R9840380
QFD (2.1 - 3.0:1)	R9840390
QFD (3.4 - 4.5:1)	R9840060
QFD (4.5 - 6.0:1)	R9840100
Fixed Focal Length Lenses	
QGD (0.86:1)	R9840491
QFD (1.27:1)	R9840400
QFD (2.5:1)	R9840290
QFD (7.0:1)	R9840410

Lens Shift Range

Vertically: 120% up and 40% down
Horizontally: 15% (left-right)



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Screen Width

From 1-6 m/3-20 ft., except for the QGD (0.86:1) lens

Contrast Ratio

>550 : 1 (full white/full black)

Scan Frequencies

Horizontal 15 kHz - 115 kHz
Vertical 25 Hz - 150 Hz

Compatibility

The BARCO ULTRA REALITY 7000 is compatible with:

- All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats
- All currently proposed HDTV, extended and improved television standards (1080i, 720p)
- All computer graphics formats from VGA to Q-XGA
- Most Macintosh computers
- Electronic workstations with a resolution up to 2048 x 1536 pixels / 60 Hz
- Most sources with a pixel clock up to 220 MHz
- DVI sources up to U-XGA

Inputs

1x Configurable 5-Wire (BNC) for: Composite Video, S-Video, Component Video and RGB.
1x 5-Wire (BNC) for RGB
1x Video (BNC or RCA)
1x S-Video (BNC or 4-pin mini-DIN)
1x DVI (Digital Visual Interface)
1x Serial Digital Input/Output (SDI)

Optional:

1x HD-Serial Digital Input/Output

Communication

2x D9 connectors for RS232 In/Out
1x 10Base-T Ethernet connector for network option
1x Mini-jack for Wired Remote Control
2x IR receivers (front + back)

Dimensions	mm	inch
L1*	619	24.41
L2	527	20.76
L3	380	15
W1	371	14.6
W2	306	12
H1	245	9.65
H2	12 - 24	0.47 - 0.94

* with QFD (1.4 - 2.1) zoom lens

Shipping Dimensions

L	710	28.0
W	550	21.7
H	470	18.5

Special Features

- Picture-in-Picture (one data and one video source or two video)
- Seamless switching and transition effects (box in/out, curtains, etc.)
- Easy upload of logoscreen
- Blanking and keystone correction
- Enhanced color uniformity
- Digital zoom

AC Power

Power factor pre-regulated SMPS, 95-230 VAC +/-10% / 50-60Hz

Power Consumption

900 Watt

Power dissipation

< 3,075 BTU/hour

Low Noise

< 39 dBA (1 m)

Safety Regulations

Compliant with UL1950 and EN60950

Electromagnetic Interference

BARCO's ULTRA REALITY 7000 complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A

Weight

Net weight:

Body only 17.7 kg / 39.0 lbs.

Shipping weight:

max. 29 kg / 63.9 lbs.

Order Information

BARCO ULTRA REALITY 7000	R9002810
Lamp kit 600 Watt	R9841550
HD-SDI option	Ropt1874
Network option	R9840920
Light Shutter	R9829930
Executive Remote	R9829960
Ceiling Mount	R9829860
Multifunctional Frame	R9829890
Flight Case	R9829870
Soft Case	R9829880



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. The latest version of this brochure can be found on www.presentations.barco.com.