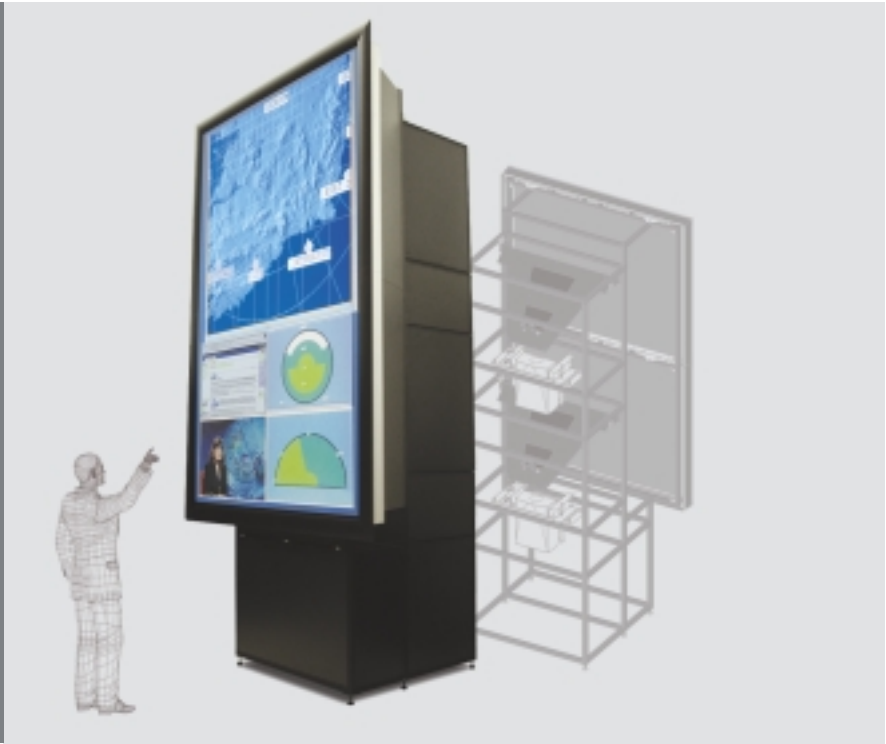


# OverView cPR100



OverView cPR100 is an impressive rear-projection solution designed to realize a broad range of screen sizes. It features either a Double Element Fresnel-Lenticular Screen or a Diffusion Screen, integrated into a completely freestanding structure. When required, the structure is outfit with an architectural trim around the screen and black sheet metal cover plates. The imaging device is based on poly-silicon LCD technology and can be operated via its built-in control unit or by Barco's graphical controllers Eos, Visu<sup>plus</sup>, and HYDRA.

## Flexible large-screen rear-projection solution

### Modular structure

- 100" screen diagonal standard, from 90" till 125" diagonal on special request
- several units can be combined in rows\* or columns, in linear or curved\*\* setup
- requires minimal installation depth because the servicing area is accessed from the front
- optional shielding to avoid incident light or dust

### High precision screens and stitched concept

- high-contrast screen selected upon the environmental conditions of the installation site and the operational requirements
- enables operation in high ambient light environments
- ensures minimal intra-screen spacing through Barco's patented seamless screen mounting

### Digital light valve projector

- Poly-Silicon LCD Technology
- broad range of compatibility with all current computer, video and television sources (Advanced Signal Recognition System)
- integration with the existing network environment and video sources by Barco's graphical controllers
- Barco's e-Maintenance enables internet based maintenance of the projector

\* standard maximum of 2 rows

\*\* on request

**BARCO**

Visibly yours

# Technical specifications Overview cPR100

## Structure

- dimensions (HxWxD):  
2843 mm x 1944 mm x 1487 mm  
111.93 in. x 76.54 in. x 58.54 in.
- weight per one OVERVIEW cPR100 unit  
(mechanics, screen, projector):  
166 kg | 366 lbs
- weight of shielding and trim  
(per one OVERVIEW cPR100 unit):  
25 kg | 55.1 lbs

## Screens

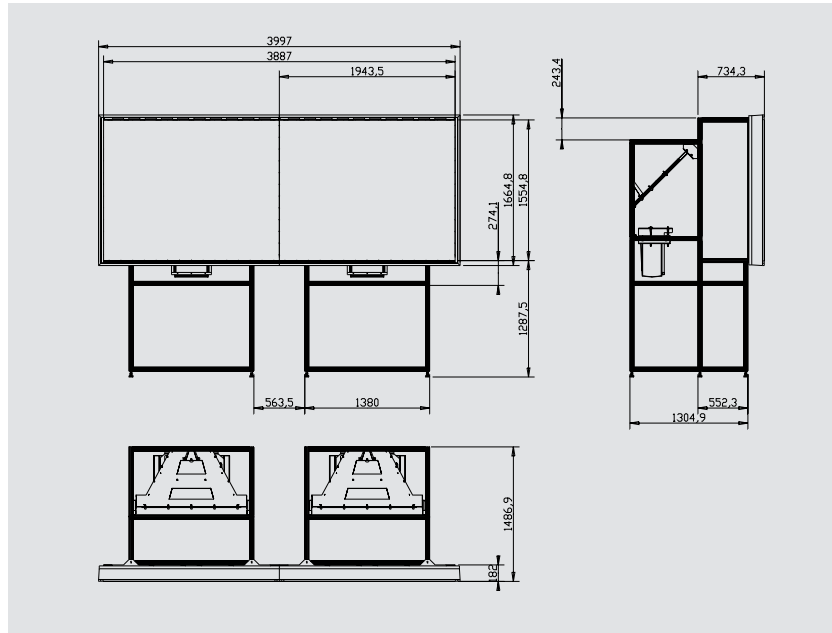
- dimensions (HxW)  
1544 mm x 1943.5 mm  
61.2 in. x 76.5 in.  
100" screen diagonal
- contrast 350:1
- double Element Fresnel-Lenticular  
Screen, high brightness uniformity,  
fine pitch, vert./hor. half gain angle:  
9°/32°; luminance typ. 240 cd/m<sup>2</sup> |  
70.05 ftl
- single Element Diffusion Screen,  
excellent white field uniformity  
vert./hor. half gain angle: 70°/70°;  
luminance typ. 70 cd/m<sup>2</sup> | 20.43 ftl

## Projection engine

- 3 active matrix Poly-Silicon LCD  
panels (1.8" diagonal), resolution  
1,280x1,024 (SXGA), 5:4
- colors 16.7 million
- lamp 120 W UHPTM,  
operation time 6000 h
- luminous flux 650 lumens
- power supply 95-230 VAC ± 10%,  
50-60 Hz
- power consumption 300 W

## Interfaces

- input  
1 x Video (BNC or cinch)  
1 x VGA (D15) connector  
3 x Stereo audio L/R (cinch)
- output  
1 x VGA (D15) connector  
1 x Stereo audio L/R (cinch)  
1 x Trigger Output Mini-jack



- communication  
2 x D9 connectors for RS232 in/out  
1 x D9 connector for Com 800  
1 x Mouse Out (DIN 13)  
1 x Mini-jack for wired RC  
1 x IR receivers
- scan Frequencies  
Horizontal: 15 kHz-115 kHz  
Vertical: 25 Hz-150 Hz
- compatibility  
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  
VGA, SVGA, XGA to SXGA  
Most Macintosh computers  
Workstations with a resolution up to  
2,000x1,280 pixels at 76 Hz  
Most sources with a pixel clock up to  
200 MHz

## Barco's graphical controllers

- combined with Eos and HYDRA,  
extended display capabilities, such as  
multiscreen and network connectivity
- unlimited number of application  
windows and video sources

## Operation and maintenance

- IR remote control to access operation  
and service adjustments of the built-  
in controller
- fully automated control through  
Barco's Control Room Software
- front accessible servicing area

## Operating conditions\*\*

- ambient temperature  
15-25°C | 30-105°F,
- humidity (non condensing),  
40-60%

\*) depending on total wall dimensions

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Barco Control Rooms 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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