

SP-10



Sports Perimeter (SP) solution - optimized for Broadcast

No other company is so well placed to provide a complete Sports Perimeter Solution than Barco. The SP-10 consists of cutting-edge visualization hardware and advanced dedicated sports software developed and optimised specifically for broadcast. Having seven years experience in large LED displays in the Sports Market and over twenty years in designing and producing specific visualisation solutions for the broadcast market, Barco is the partner you can rely on to turn your stadium digital.

- Optimised for broadcast
- Smart management control software
- Easy to install, either fixed or temporary installation
- Rugged & reliable
- Additional income opportunity

BARCO

Visibly yours

Why turn your Perimeter digital?

Add Value to your stadium

- Creates extra entertainment atmosphere
- Extra branding dimension for your sponsors
- Better image quality during broadcast

Create Additional Revenue Stream

- Display several messages during limited "peak" times
- Flexible premium advertising packages during game highlights
- Last minute scheduling of advertising
- No cost of printing banners

Additional Security

- Use as security device in case of evacuation
- Urgent messages can be displayed immediately

A Perimeter System optimised for Broadcast

Barco's SP-10 is the only Perimeter solution in the Sports Market that is **optimized for broadcast**. With a very high refresh rate (2000Hz), the image is much more stable and there is no loss of visual information when using the camera for broadcasting. The capability to automatically implement color calibration, to adjust the color temperature, gamma settings etc. of the display allows you to obtain a perfect image for broadcasting.

30 fps 
60 fps 

Digitally rendered content contains no motion blur typical for standard film. While a standard film rate of 30 frames per second creates "jump" effects visible to the eye in fast action animation, Barco's 60 frames per second delivers extremely smooth content.

Imagine having 9,646 LEDs per square meter, a **contrast ratio** of 1100:1 and a **calibrated brightness level** of 5,500Nits, and you will understand why Barco offers ultimate image quality.

Barco understands the needs of broadcasting & large audience visualisation like no other. Barco is unique in offering **automatic sun brightness calibration**. This ensures that the quality of image which appears on television is not impacted by the position of the sun, shadows on the display or loss of brightness due to direct sun impact.

Thanks to Barco's knowledge in the broadcast market, the solution is proven **future proof** and compatible with new standards emerging in the broadcast market.



Smart Management of the Content on the Perimeter

Barco's content control software is specifically designed to display content on long ribbons, without stretching, mirroring or tiling the content. No inflexible & time-consuming pre-rendering stage is necessary, which gives the owner full control and a low cost of operation. Therefore clubs and stadiums can offer the very best to their loyal sponsors and advertisers, as content will travel the full arena without duplication or interruption.

Barco offers state-of-the-art perimeter advertising control Software (Sportsbox). A user-friendly GUI and workflow will make sure you can get the most out of your perimeter solution.

Dedicated sports software allows you to schedule commercials, animations and team logos on your perimeter display. The system supports a wide range of content formats and makes it very easy to organize the sequence of animations you want to show to your audience.

The display layout module allows for unlimited channels of any size containing any sequence of mixed file types. Channels may be grouped so that a single change affects multiple areas of the displays simultaneously.



Enjoy **Live interaction!** With a single click any content can be displayed with less than 0.5 second response time and create moments of exclusivity when the need arises.

Content creation becomes very simple with Barco's SP-10 thanks to special drawing tools, customizable color palettes and real-time data template creation.

A wide range of effects is possible, such as "fades", "dissolves" and "wipes" from any side of the perimeter. On top of that, all characteristics of the effects can be changed, such as run time, color, fill amount, spacing, etc.

Content can also be changed on the fly without the need for pre-rendering.

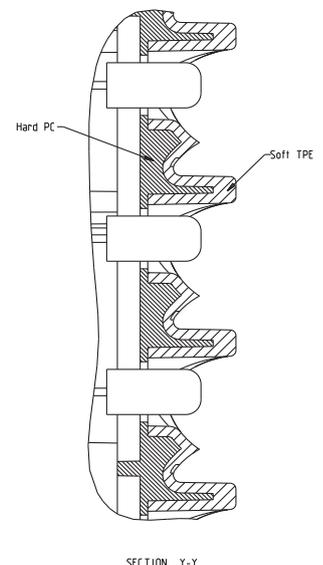
The SP-10 includes special control & diagnostics software to fully manage, control and diagnose every item of the display hardware (e.g. internal temperature monitoring) from a remote location.

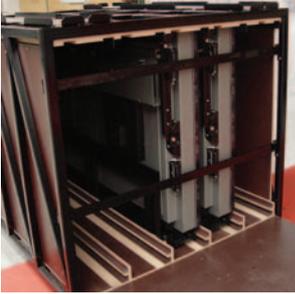
Whatever your demanding advertising partners require, is possible with Barco's SP-10.

Rugged & reliable

The SP-10 is completely IP65 approved (front & back) to ensure long-term reliability in a harsh stadium environment (water, dust, grass clippings, etc.).

The Sports Perimeter Solution is a rugged display, yet safe for the players. To protect against impact of ball or other projectiles of supporters, the shaders of the LED displays are made from very solid and strengthened material that protect the display. Additionally, the outer shell of the shaders is made of a soft material and has rounded edges to protect players should they come in to contact with the display.





Easy to install mechanics with a World Wide servicing network ready to be at your side on the pitch

Special roll-out mechanics of the SP-10 guarantee easy handling and quick installation on the pitch.

Individual displays are transported together in one trolley and a unique railing system optimises installation time. Once the display is in the right position on the pitch, two holders pull out on the back to fix the display in the right location. The display can then be adjusted to the right viewing angle. Set-up of a full soccer pitch can be done in four hours.

The SP-10 is designed for **optimal serviceability** using standard “plug-in” components and modules. Furthermore, Barco is known for its World Wide service network, enabling our local partners to provide the best and most specialized knowledge needed.

Over 20 years of experience in Broadcasting and Large screen sports visualization

Recognised as one of the leading suppliers in the Sports Visualisation market, Barco is proud of its wide range of high impact installations around the world!

We are fully aware of how critical excellent performance is, and we have the right experience in assisting you in going through the process of making your stadium digital. Partnering with Barco is a winning combination!

Countless sports applications



Estádio do Dragão, Porto, Portugal



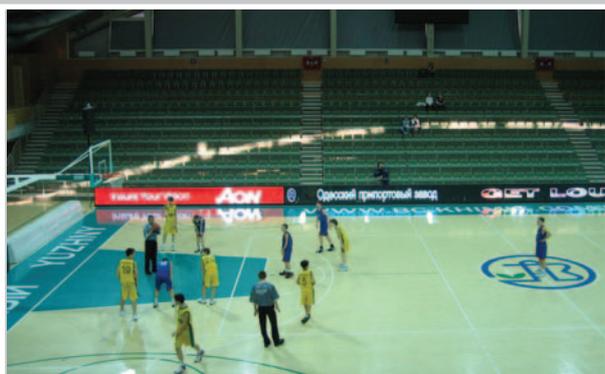
Hala Sazka Arena, Prague, Czech



American Airlines Arena, Miami, FL, USA



Olympiacos F.C., Athens, Greece



Odessa Priportoviy Zavod, Ukraine



Texas University, Austin, USA

SP-10 specifications

Visualization	
Uncalibrated brightness	6,500 NITs
Calibrated brightness	5,500 NITs
Real pixel pitch	20.36mm
Virtual pixel pitch	10.18mm
LED configuration	2R, 1G, 1B
Virtual vertical resolution	88 lines
LED density	9,646 LEDs/sqm
Total horizontal viewing angle (50% brightness)	120°
Vertical up viewing angle (50% brightness)	+30°, -25°
Lifetime (typical use)	100,000 h
Contrast ratio	1100:1
Processing (color)	14 bit
Mechanical (tile)	
Width	1,344mm
Height	905mm
Depth	200mm
Weight	80kg
Power	
Average input power	200W
Peak input power	1,100W
Environmental	
Ruggedness	IP 65
Temperature	
• operating	-20 - 40°C (-4 - 104°F)
• storage	-20 - 60°C (-4 - 140°F)
Humidity	
• operating	10 - 95%
• storage	10 - 95%
Safety, compliance & reliability	
Source compatibility	S-Video - Composite - YUV - RGB - SDI - HDSDI - Data DVI up to UXGA
Certification	UL - CE - TUV Class A

Ref.no. R599995 - February 2006

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 product sheet can be found on www.barco.com.

Barco Media & Entertainment
Noordlaan 5, 8520 Kurne - Belgium
Tel. +32 56 36 89 70 - Fax + 32 56 36 83 86
email: sales.media@barco.com

BARCO

Visibly yours