

SP-20

20mm LED sports perimeter solution



Key features:

Angled LED configuration
IP65 LED surface
100,000-hour lifetime
7,200 nits brightness
3,000:1 contrast ratio
16-bit color processing
Impact-resistant shaders
120W/tile consumption
800Hz (60fps) refresh rate

Broadcast-optimized for maximum return

Featuring improved hardware developed specifically for reaching multiple audiences, Barco's all-new SP-20 delivers superior visual performance at minimal costs for maximum ROI.

- Unique, angled LED configuration works in tandem with tilted foot system for multiple setup scenarios, striking a perfect balance between live audiences and broadcast cameras.
- Rugged mechanical design provides 100,000 hours of use in all indoor/outdoor fixed or mobile set-ups.
- Improved brightness, contrast and color produce sharper text and clearer images.
- Soft, replaceable, impact-resistant shaders protect LEDs from harm and will not injure players in the event of a collision.
- Efficient components last longer, produce less heat and require no HVAC, significantly reducing replacement and power consumption costs.
- XVS-2 software produces ample refresh rates of 800 Hz (60fps), delivering flicker-free content across all platforms.

With a decade of experience in LED sports displays, and over 20 years in specialized broadcast solutions, Barco stands well-positioned to deliver your digital sports perimeter solution.

BARCO

Visibly yours

XVS-2 visualization software

Optimized for rapid response to live sporting events, XVS-2 provides real-time content creation, management and scheduling of commercials, logos, animations and scoring information for display on long ribbons without stretching, mirroring or "tiling" the content.

System Manager - Management and monitoring tool for defining and diagnosing the display.

Message Editor - WYSIWYG authoring tool for custom creation of video, graphics and text.

Action Manager - Interactive tool for recording and saving actions as on-screen thumbnails.



Why digitize your perimeter?

LED perimeter solutions provide additional streams of revenue, enhance the value of your stadium and increase the safety and security of fans in the event of an emergency.

Revenue

- Support multiple sponsors
- Create premium ad packages
- Allow last minute scheduling
- Add SMS revenue stream

Value

- Enhanced entertainment value
- Additional branding dimension
- Greater visual impact

Security

- Display safety reminders
- Transmit urgent information
- Broadcast evacuation details

Worldwide service

The reliability and profitability of your LED installation is our ultimate measure of success. That's why Barco forges lasting partnerships with customers throughout all stages of project implementation, including design and concept, installation and integration, on-site training and post-sales maintenance. By selecting Barco's SP-20 as your sports perimeter solution, you are acquiring what is considered the most cost-effective and reliable 20mm-range solution in today's market.

SP-20 specifications

Visual	
Brightness (calibrated)	7,200 nits*
Pixel pitch	20mm
LED configuration	1R,1G,1B (discrete)
Vertical resolution	48 lines
LED density	7,500/sqm
Viewing angle (hor.)	120°
Viewing angle (ver.)	-15°, +40°
Contrast ratio	3,000:1
Color processing	16-bit
Dimensions (excluding foot system)	
Width	960mm
Height	960mm
Depth	250mm
Weight	54kg
Power consumption	
Average/tile	120W
Maximum/tile	370W
Ruggedness	
IP rating	IP65 front, IP54 back
Temperature	
• operating	-35 to 60°C
• storage	-35 to 60°C
Humidity	
• operating	10 to 95%
• storage	10 to 95%
Source compatibility	S-Video - Composite - YUV - RGB - SDI - HDSDI - Data DVI up to SXGA
Certification	UL - CE - TUV Class A
Lifetime (typical use)	100,000 hours

*measured perpendicular to the display

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While the information and data given are typical for the equipment described, product specifications are subject to change without notice. The latest version of this product sheet can be found at www.barco.com.

Cover photo: RSC Anderlecht SP-10 system

Belgium
Noordlaan 5
8520 Kuurne
Tel: +32 56 36 80 22
Fax: +32 56 36 88 62
media.sales@barco.com

United States
11101 Trade Center Drive
Rancho Cordova, CA 95670
Tel: +1 888 414-7226
Fax: +1 916 859-2515
salesusa@barco.com

Asia Pacific
No.16 Changsheng Road
Changping Dist., Beijing, PRC,102200
Tel: +86 10 8010 1166
Fax: +86 10 8970 9812
marketing.media@barco.com

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