

SLite 10 XP



Outdoor LED display solution

The SLite 10 XP is the latest addition to the Barco's SLite family of outdoor LED displays. With its 10mm resolution, ultra high bright 5,500 Nit output, and rugged IP65 rating, the SLite 10 XP is the perfect product for all outdoor applications from entertainment venues to sports stadiums, theme parks and outdoor advertising.

With its new revolutionary shader design, the SLite 10 XP ensures vastly improved black levels. When combined with its higher brightness output it delivers superb contrast levels, even in the brightest of sunlight.

The SLite 10 XP also features advanced 14 bit processing and new LED level (XP) calibration delivering even greater color depth and uniformity across the entire surface of the display than its predecessor.

Its high refresh rate of 2000Hz ensures the image is much more stable and there is no loss of visual information when using camera for broadcasting.

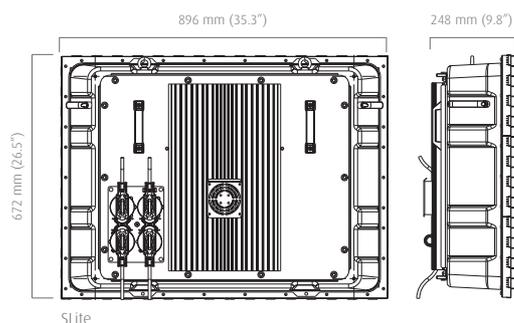
The SLite 10 XP offers a modular outdoor display concept that allows the build up of almost any shape of size display and is ideal for use at outdoor locations with large viewing distances.

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SLite 10 XP specifications

Visual resolution	10.18 mm
Physical resolution	20.36 mm
Brightness (Display calibrated at 6500°K)	6,500 NIT 5,500 NIT
LED configuration	2R, 1G, 1B
LED density	9,646/m ² (896/ft ²) 5,808/panel (88 x 66)
Viewing angle • Horizontal • Vertical	120° 60°
Contrast ratio (at 200 lux)	1200:1
Lifetime (full white - half brightness)	50,000 h
Lifetime (typical use)	100,000 h
Power consumption / tile • maximum • average	680 W 170 W
Weight / tile (excluding structure)	40 Kg (88.2 lbs)
Processing (Color)	14 bit
Colors	4,4 trillion
Refresh rate (PAL/NTSC) minimum	> 2000 Hz
Ruggedness	IP 65
Temperature • operating • storage	-20 - 40°C (-4 - 104°F) -20 - 60°C (-4 - 140°F)
Humidity • operating • storage	10 - 99% 10 - 99%
D320 input compatibility (modules)	S-Video - Composite - YUV - RGB - SDI - HDSDI - Data DVI up to UXGA
Certification	UL - CE - TUV - FCC Class A
Ordering information	R9004170



New revolutionary shader design

The new SLite 10 XP incorporates a new revolutionary "light trap" shader. Its radically new geometric design combined with specially selected dark black, matt materials essentially "traps" the light falling on the display ensuring superb black levels. When combined with the high brightness output level of 5,500 NIT (calibrated), the SLite 10 XP now delivers vastly improved contrast levels to its predecessor.



Dual Pixel Technology

Barco's proprietary Dual Pixel Technology, incorporated in both the SLite and DLite products, offers a greatly enhanced perceived visual resolution. Each cluster of LEDs is addressed as 4 discrete pixels, which effectively doubles its physical resolution, offering you 'more resolution for your money'.

Rugged replaceable shaders

Shaders on the new SLite 10 XP are made from a new impact proof, two-component material making them much more rugged and less prone to breakage. Should damage occur, then shaders can now be easily replaced in the field.

Advanced 14-Bit processing / XP calibration

The SLite 10 XP features advanced 14-bit processing and XP (LED level) calibration, which results in even greater color depth and uniformity, allowing the display to show vibrant images with even deeper and more uniform colors across the entire surface of the display.

High refresh rate

With a very high refresh rate (2,000Hz) the image of the SLite 10 XP is much more stable and there is no loss of visual information when using the camera for broadcasting.

IP65 certified module enclosures

Barco's SLite 10 XP modules are encased in rugged IP65 certified metal enclosures front and back, making them completely dust and weather proof and ideal for repeated use in harsh outdoor environments.

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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.

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