

SP4K-20

20,000 lumens smart cinema projector



20K
LUMENS

4K
4096X2160



- Brilliant image
- Ready for tomorrow, today
- Barco EcoPure™
- Fit and forget

SP4K-20 is part of the Series 4 portfolio, designed in close collaboration with industry partners. Market trends in content creation, exhibition and technology were taken into account. The result? A 4K RGB projector family, designed for cinema.

Brilliant image

The Series 4 brings native 4K resolution, higher contrast and enhanced uniformity into the movie theater. The Barco Active Image Management™ and its patented precision brightness technology guarantees flawless images with automatic white balances.

Ready for tomorrow, today

The Barco Colorgenic™ technology opens up the full P3 color space and more than 98.5% of Rec. 2020. SP4K-20 is fully enabled for future innovations like 4K 120fps and HDR images. Deliver stunning results not only on day 1, but consistently throughout the lifetime of the product.

Barco EcoPure™

This silent running projector (50dB(A)) is fully ready for boothless operation. In addition, the SP4K-20 smartly manages its power consumption of only 9.5 lm/W. In eco-mode it consumes even less than 3 Watt. What's more, remote wake up on LAN is possible for scheduled maintenance or ingest.

Fit and forget

The modular design of the Series 4 projectors allows for cost-effective maintenance. There are only six Barco laser plate™ spare parts to service all light source configurations. Anyone can replace the filters thanks to the toolless cover and filter handling. The SP4K-20 seamlessly integrates into your current setup.

Freedom of choice

The SP4K models come in many different configurations offering you the freedom of choice. A range of lumens, compatibility with both Barco lenses and selected 3rd party lenses, and optional touch displays. Play with the available options to match your specific needs.

PRODUCT SPECIFICATIONS**SP4K-20**

Native brightness	20,000 lumens (typical)
Native contrast ratio	2300:1 (typical)
Digital MicroMirror Device™	3x 0.98" DC4K TRP
Resolution	native 4K: 4096 x 2160
Color gamut	DCI P3 (98.5% of Rec.2020; when measured in xy-color coordinates)
Prime lenses	With C-lensholder: 1.2 -1.8; 1.4 -2.05; 1.6 -2.5 ; 1.95 -3.2; 2.4 -3.9 With B-lensholder: 1.6 – 2.4; 1.9 – 2.6; 2.0 – 2.95; 2.3 – 3.65; 2.8 – 4.7; 3.55 – 6.95 High-brightness and High-contrast B-lenses compatible
Long-term brightness stability	40,000 hrs @ average usage conditions
Housing	integrated cooling design and patented sealed optical assembly
Dimensions (WxLxH)	Projector incl feet: 710 x 1070 x 547 mm/ 27,95 x 42,13 x 21,54 inches 710 x 1132x 547 mm/ 27,95 x 44.55x 21,54 inches with B-lensholder
Weight	105kg/231.5lbs
Power requirements	single phase or triple phase 200-240V 16A
Heat load (max. power)	6800BTU/h
Exhaust airflow	400CFM
Ambient temperature	40°C/104F Max.
Ambient humidity	85% RH max
Power consumption	2.1kW (3W in Eco mode)
Media server	Barco Alchemy ICMP-X and other media server brands** supported.
Noise Level	50dB(A) @1m and 25°C ambient temperature
3D systems	Active glasses systems and polarization systems on silver screens are supported. Color separation systems are not supported.
Safety requirements	Class 1 risk group 3
User interface	Touch Display and / or web-based
Lateral lens color on edge of image	With 2K lens: 2 pixels average* With 4K lens: 1.5 pixels average* (* depends on lens, zoom, ...)
Notes	**projector configuration with ICP-D; contact Barco service for the list of supported brands

Last updated: 06 Nov 2019

Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.