SP4K-20

20,000 lumens smart cinema projector

EASY SERVICE

20K LUMENS

4K 4096X2160



- **Brilliant image**
- **Ready for tomorrow, today**
- **Barco EcoPureTM**
- **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 ManagementTM and its patented precision brightness technology guarantees flawless images with automatic white balances.

Ready for tomorrow, today

The Barco ColorgenicTM 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 EcoPureTM

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 plateTM 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.