

SP4K-20B

21,000 lumens smart cinema projector



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

SP4K-20B 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 next-generation laser projection family for all cinema screens. The SP4K models come in many different configurations offering you the freedom of choice. A wide range of brightness options, compatibility with both Barco lenses and selected 3rd party lenses, as well as a touch display and live streaming option. Play with the available options to match your specific needs.

Brilliant image

The SP4K models of the Series 4 family brings native 4K resolution, higher contrast and enhanced uniformity into the movie theater. The Barco Active Image ManagementTM includes patented technology to guarantee sharp, consistent image quality over time.

Ready for tomorrow, today

With the SP4K models and their RGB laser lightsource, the Barco ColorgenicTM technology opens up more than 98.5% of Rec. 2020. Moreover, all SP4K models are fully enabled for future innovations like 4K 120fps and compatibility with the latest immersive audio standard.

Barco EcoPureTM

This silent running projector (51dB(A)) is fully ready for boothless operation. In addition, the SP4K-20 smartly manages its power consumption reaching projector efficiency levels up to 10.3 lumens per Watt. 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.

Product specifications**SP4K-20B****General specifications**

Native brightness	21,000 lumens (typical)
Native contrast ratio	2000:1 (typical) up to 3000:1 with HC lens
Digital MicroMirror Device™	3x 1.38" DC4K
Resolution	native 4K: 4096 x 2160
Color gamut	DCI P3 compliant (98.5% of Rec.2020; when measured in xy-color coordinates)
Light source	Laser
Prime lenses	0.8; 1.01; 1.13-172; 1.35-1.86; 1.46-2.10; 1.65-2.60; 2.00-3.35; 2.53-4.98 High-brightness and high-contrast B-lenses compatible
Long-term brightness stability	+50,000 hrs @ average usage conditions
Housing	integrated cooling design and patented sealed optical assembly
Dimensions (WxLxH)	Projector incl feet: 760 x 1470 x 612 mm/ 29,92 x 57,54 x 24,09 inches
Weight	147kg/324lbs
Power requirements	single phase or triple phase 200-240V 14A
Heat load	6500 BTU/h@ max power @ 40°C
Exhaust airflow	400CFM
Ambient temperature	40°C/104F Max.
Ambient humidity	85% RH max.
Altitude	4000m / 13,125ft Max.
Media server	Fully Integrated Barco Alchemy ICMP-X with SSD Storage Up To 8TB eff. Other media server brands** supported.
Power consumption	1.85kW (3W in Eco mode)
Noise Level	51dB(A) @1m, max power and 25°C ambient temperature
3D systems	Active glasses systems and polarization systems on silver screens are supported. Color separation systems are not supported.
Laser classification	Class 1 risk group 3
User interface	Integrated Touch Display and/or Web-based Communicator Web Analyzer for service

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