

# SP4K-20C

21,000 lumens smart cinema projector



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

SP4K-20C 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 market leading 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-20C is fully enabled for future innovations like 4K HFR and IAB audio. 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-20C smartly manages its power consumption of only 10.5 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-20C 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, Play with the available options to match your specific needs.

**Product specifications****SP4K-20C****General specifications**

Native brightness	21,000 lumens (typical)
Native contrast ratio	2700:1 (typical) up to 3500:1 with HC lens
Digital MicroMirror Device™	3x 0.98" DC4K
Resolution	native 4K: 4096 x 2160
Color gamut	DCI P3 (98.5% of Rec.2020; when measured in xy-color coordinates)
Light source	Laser
Prime lenses	With C-lensholder: 0.8 -1.16; 1.09 -1.40; 1.2 -1.8; 1.4 -2.05; 1.6 -2.5 ; 1.95 -3.2; 2.4 -3.9 With B-lensholder: 1.01; 1.27; 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	+50,000 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	6800BTU/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 mFusion ICMP-XS with SSD Storage Up To 16TB eff. Other media server brands** supported.
Power consumption	2.0kW (3W in Eco mode)
Noise Level	50dB(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	Laser Class 1 -Risk Group 3
User interface	Integrated Touch Display and/or Web-based Communicator Web Analyzer for service
Notes	**projector configuration with ICP-D; contact Barco service for the list of supported brands

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