

FS40-4K MKII

Rock-solid and powerful 4K LED projector for NVG training



- Extreme detail up to 4K (3840 x 2400) resolution
- Night Vision Goggles stimulation
- True solid-state and ruggedized
- Brighter LEDs with exceptional color fidelity
- 100-0% LED dimming for training at any time
- Barco Pulse software ensures powerful processing and lowest latency

The FS40-4K MKII is the latest in the line of true solid-state simulation-ready projectors from Barco. Combining LED illumination technology with Barco Pulse electronics performance, the FS40 delivers visual excellence and extreme reliability with a low TCO. Designed for simulation applications, the FS40 features both an RGB and a dedicated IR light source, which allows for individual control of visible light and IR intensity to simulate daytime and nighttime training scenarios. Dual iris and optical filters ensure optimal contrast and deeper black levels for best in class image clarity. Designed for the most demanding simulation environments, the FS40 delivers a vision to trust.

Extreme reliability in all situations

Using the latest LED illumination, the FS40 produces high brightness images with optimal clarity and color gamut. The FS40-4K is a native WQXGA resolution projector and uses the performance of Barco Pulse to show images up to 4K resolution (3840 x 2400). Thanks to the Single Step Processing (SSP[®]) technology in Barco Pulse the FS40 benefits from built-in warp and blend, high resolution images at higher frame rates with lower latency than competing technology.

The Barco FS40 is a true solid-state projector designed for motion platforms with no moving parts. It is rock solid designed for shock and vibration. Its solid magnesium alloy baseplate act as mounting plate. Coupled with an array of mounting points in the front and on the top cabinet, they make this projector solid as rock and perfectly suited for use on motion platforms in any orientation.

Lowest TCO

The FS40 uses a proven DLP® sealed optical engine and the latest solid-state LED illumination. Simulator operators can benefit from reduced Total Cost of Ownership (TCO) with extended maintenance cycles and no lamp changes or color adjustments for up to 75,000hrs. Barco Constant Light Output (CLO) functionality ensures predictability in linear brightness performance over the life of the projector. Additional protection is available when using new intelligent high-efficiency air filters for installations in dusty and harsh environments.

Product specifications**FS40-4K MKII****Ogólne specyfikacje**

Jasność	2,870 Typical ANSI Lumens
Współczynnik kontrastu	1800-6000:1
Podświetlenie dla NVG	Yes
Jednolity jasności	90%
Format obrazu	16:10
Typ projektora	1DLP RGB LED
Rezolucja	3,840 x 2,400 (4K) / 2,560 x 1,600 (native)
Typ obiektywu	FLD+/FLDX
Przesunięcie soczewki optycznej	Vertical up to 146%, depending on lens Horizontal up to 70%, depending on lens Motorized zoom and focus (+ lens memory FLDX lenses) Motorized lens shift (with position memory on all lenses)
Korekta koloru	P7 RealColor™
CLO (Constant Light Output)	Yes
Źródło światła	RGB LED
Wytrzymałość źródła światła	Minimum 50,000 hours @ full power Up to 75,000 hours, depending on mode of operation
Uszczelniony rdzeń DLP™	Yes
Orientacja	360° rotation, no restrictions
3D	Active stereoscopic 3D
Przetwarzanie obrazu	Embedded warp & blend engine
Korekcja trapezowa	Yes
Wejścia	2x DP1.2 2x dual link DVI-I HDBaseT upgradable HDMI™ 2.0 (HDCP2.2, HDR10) RJ 45 Ethernet RS232 in 2x USB 12v out
Rozdzielczości wyjściowe	Including and up to: 3,840 x 2,400 @ 60Hz 3,840 x 2,160 @ 60Hz 4,096 x 2,160 @ 60Hz 2,560 x 1,600 @ 120Hz
Głębokość kolorów na wyjściu	Up to 12-bit, depending on configuration
Narzędzia programowe	Projector Toolset
Sterowanie	IR, RS232, RJ45
Połączenie sieciowe	IR, RS232, RJ45
Wymagania dotyczące zasilania	100-240V / 50-60Hz
Pobór energii	500 W typical, 570 W maximum
BTU na godzinę	1,707 BTU/h typical, 1,945 BTU/h max
Poziomy hałas (typowy przy 25°C/77°F)	33 dB(A)
Temperatura robocza	10 -40 °C (sea level)
Temperatura przechowywania	-20 to 60 °C
Wilgotność robocza	20 -80% RH
Wilgotność przechowywania	10 -90% RH
Wymiary (szer. x wys. x gł.)	450 x 457 x 244 mm / 17,7 x 18,0 x 9,6 in
Waga	21,5 kg / 47,4 lbs
Standardowe akcesoria	Power cord, wireless remote control
Certyfikaty	CE, FCC Class A and cNus
Gwarancja	Limited 5 years parts and labor, extendable

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