

FS40-4K MKII

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

PULSE
PROCESSING

CONSTANT
LIGHT OUTPUT

1
CHIP
DLP

4K
UHD

24/7
OPERATION



- 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 50,000hrs. 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.

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ	FS40-4K MKII
Яркость	2700 lumens
Уровень контрастности	1800-6000:1
ИК режим для имитации систем ночного видения	Yes
Однородность яркости	90%
Форматное соотношение	16:10
Тип проектора	1DLP RGB LED
Разрешение	3,840 x 2,400 (4K) / 2,560 x 1,600 (native)
Тип объектива	FLD+/FLDX
Сдвиг оптической линзы	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)
Коррекция цвета	P7 RealColor™
CLO (постоянная светоотдача)	Yes
Источник света	RGB LED
Срок эксплуатации ЖКИ	Up to 50,000 hours
Ядро Sealed DLP™	Yes
Ориентация	360° rotation, no restrictions
3D	Active stereoscopic 3D
Обработка изображений	Embedded warp & blend engine
Коррекция трапецеидальных искажений	Yes
Входы	2x DP1.2 2x dual link DVI-I HDBaseT upgradable HDMI2.0 upgradable RJ 45 Ethernet RS232 in 2x USB 12v out
Разрешения входного сигнала	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

ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ**FS40-4K MKII**

Программные средства	Projector Toolset
Контроль	IR, RS232, RJ45
Соединение сети	IR, RS232, RJ45
Требования к источнику питания	100-240V / 50-60Hz
Энергопотребление	500 W typical, 570 W maximum
БТЕ/ч	1,707 BTU/h typical, 1,945 BTU/h max
Уровень шума (номинал при 25 °C / 77 °F)	33 dB(A)
Рабочая температура	10 -40 °C (sea level)
Температура при хранении	-20 to 60 °C
Допустимая влажность	20 -80% RH
Влажность при хранении	10 -90% RH
Габариты (WxLxH)	450 x 457 x 244 mm / 17,7 x 18,0 x 9,6 in
Вес	21,5 kg / 47,4 lbs
Стандартные аксессуары	Power cord, wireless remote control
Сертификаты	CE, FCC Class A and cNus
Гарантия	Limited 3 years parts and labor. Extendable up to 5 years

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