

# FS40-4K

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
- Bright LEDs with exceptional color fidelity
- 100-0% LED dimming for training at any time
- Barco Pulse software ensures lowest latency

The FS40-4K is a true solid state projector, using the latest in HLD and LED illumination technology. It combines amazing visual performance and extreme reliability with a low TCO. This dedicated IR projector allows for full individual control of visual and IR intensity to stimulate NVGs with IR transmission at 740nm. Dual iris and optical filters ensure better contrast and higher black levels. Even in the most demanding environments, the FL40 delivers a vision to trust.

### Extreme reliability in all situations

Offered in native WUXGA and WQXGA resolution, the performance of the FS40 WQXGA version can be extended up to 4K resolution (3840 x 2400) via Barco's proprietary Single Step Processing (SSP®) technology - a unique feature of the powerful and flexible Barco Pulse unified software platform. Thanks to the SSP technology in Barco Pulse the FS40 delivers high resolution images faster and at lower latency than any other competing technology.

No matter whether pitching, rolling, or bouncing, for training in air, at sea, or on land, the Barco FS40 is a true solid state projector with no moving parts or lamps. Its solid magnesium front and baseplate act as mounting plates. Coupled with an array of mounting points in the front and on the top, they make this projector solid as rock and perfectly suited for use on motion platforms.

### Lowest TCO

The FS40 uses a proven DLP® sealed optical engine and latest solid state HLD 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 total 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 polluted environments.

**Product specificaties****FS40-4K****General specifications**

Helderheid	2100 ANSI Lumens minimum
Contrastverhouding	1800-6000:1
Infrarood voor nachtkijkers	Yes
Helderheidsuniformiteit	90%
Beeldverhouding	16:10
Type projector	1DLP RGB LED
Resolutie	3,840 x 2,400 (4K) / 2,560 x 1,600 (native)
Type lens	FLD+/FLDX
Optische lensverschuiving	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)
Kleurcorrectie	P7 RealColor™
CLU (constante lichtuitvoer)	Yes
Lichtbron	RGB LED
Levensduur lichtbron	Up to 50,000 hours
Verzegelde DLP™-kern	Yes
Oriëntatie	360° rotation, no restrictions
3D	Active stereoscopic 3D
Beeldverwerking	Embedded warp & blend engine
Trapeziumcorrectie	Yes
Ingangen	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
Invoerresoluties	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
Kleurdiepte invoeren	DVI: Including and up to 2560x1600@60Hz 8 bit RGB and 3840x2400@50Hz 8 bit RGB DisplayPort: Including and up to 2560x1600@120Hz 12 bit RGB and 3840x2400@60Hz 8 bit RGB
Softwaretools	Projector Toolset
Controle	IR, RS232, RJ45
Netwerkverbinding	IR, RS232, RJ45
Voedingsvereisten	100-240V / 50-60Hz
Energieverbruik	500 W typical, 570 W maximum
BTU/uur	1,707 BTU/h typical, 1,945 BTU/h max
Geluidsniveau (standaard bij 25°C/77°F)	33 dB(A)
Bedrijfstemperatuur	10 -40 °C (sea level)
Opslagtemperatuur	-20 to 60 °C
Vochtigheid in bedrijf	20 -80% RH
Vochtigheid bij opslag	10 -90% RH
Afmetingen (B x L x H)	450 x 457 x 244 mm / 17,7 x 18,0 x 9,6 in
Gewicht	21,5 kg / 47,4 lbs
Standaardaccessoires	Power cord, wireless remote control
Certificeringen	CE, FCC Class A and cNus
Garantie	Limited 3 years parts and labor. Extendable up to 5 years

**Laatst bijgewerkt: 09 Jul 2024**

© 2024 Barco nv. Alle rechten voorbehouden. Gehele of gedeeltelijke reproductie zonder schriftelijke toestemming is verboden. Alle merknamen en productnamen zijn handelsmerken, geregistreerde handelsmerken of handelsnamen van hun respectieve houders. Als gevolg van voortdurende innovatie kunnen informatie en technische specificaties zonder voorafgaande kennisgeving worden gewijzigd. Controleer [www.barco.com](http://www.barco.com) voor de nieuwste specificaties.