

FS70-4K6

4K UHD laser-phosphor projector with NVG stimulation



- Designed for simulation
- Night Vision Goggles simulation
- 4K UHD resolution
- Durable and robust for 24/7 operation
- High brightness (5,000 lumen)
- Long lifetime (up to 50,000 hours)

The FS70-4K6 is a laser-phosphor projector with native WQXGA and up to 4K UHD resolution that was built specifically for simulation applications. This dedicated IR projector is the answer to the simulation market's specific requirements - including high robustness, longer lifetime, and laser-sharp image quality. It also 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.

Fitted with a protective metal that encases the entire projector, Barco's FS70 is robust enough to withstand a motion platform's rapid and sudden movements, making it the perfect choice for this type of application. With a lifetime of up to 50,000 hours (depending on the mode of operation), the FS70 is one of the most durable projectors on the market today.

Designed for 24/7 use

The FS70 is designed for performance and reliability. With the Constant Light Output functionality, the projector produces predictable and constant brightness and color over an extended period of time. And thanks to Barco's unique and proprietary Single Step Processing (SSP®) technology, all image processing for 4K UHD - including warp, blend, gamma and color - is calculated in a single operation. Performing this procedure in just a single step produces a much higher overall image quality, with a sharper image, fewer artifacts and less latency. The design of the FS70-4K6 also takes into account the mounting requirements and suite of lenses - making the FS70 series the perfect choice for technology upgrade decisions.

Brighter, better

With brightness levels in simulation configurations of up to 5,400 lumens, the FS70-4K6 is one of the brightest single-chip DLP projectors on the market with 4K UHD resolution. Features especially designed for simulation include Smear Reduction Processing (SRPTM), dual input WQXGA @120HZ (4K UHD @60Hz), dual iris and optical filters for better contrast and higher black levels, as well as optics purpose designed for NVG stimulation.

Product specificaties**FS70-4K6****Algemene specificaties**

Helderheid	5,400 Typical ANSI Lumens
Contrastverhouding	1,800 – 6,000:1 sequential
IR voor NVG	yes
Uniformiteit van de helderheid	90%
Aspectverhouding	16:10 native
Type projector	1DLP laser phosphor
Resolutie	3,840 x 2,400 / 3,840 x 2,160 / 2,560 x 1,600 (native)
Type lens	FLD-series
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™
CLO (constante lichtopbrengst)	Yes
Lichtbron	Laser phosphor
Levensduur lichtbron	Minimum 25,000 hours @ full power Up to 50,000 hours, depending on mode of operation
Verzegelde DLP™ core	Yes
Oriëntatie	360° rotation, no restrictions
3D	Active stereoscopic 3D
Beeldverwerking	Embedded warp & blend engine (Barco Pulse)
Keystone-correctie	Yes
Ingangen	HDSDI 2x DP1.2 2x dual link DVI-I HDBaseT HDMI™ 2.0 (HDCP2.2, HDR10) RJ 45 Ethernet DMX in/out RS232 in 2x USB 12v out
Invoerresolutie	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	Up to 12-bit, depending on configuration
Softwaretools	Projector Toolset
Bediening	IR, RS232, RJ45
Netwerkverbinding	IR, RS232, RJ45
Stroomvereisten	100-240V / 50-60Hz
Stroomverbruik	743 W nominal, 1100 W maximum
BTU per uur	Max 4,000 BTU/h
Geluidsniveau (typisch bij 25°C/77°F)	36 dB(A)
Temperatuur tijdens gebruik	10 -40 °C (sea level)
Temperatuur bij opslag	-20 to 60 °C
Luchtvochtigheid tijdens gebruik	20 -80% RH
Luchtvochtigheid bij opslag	10 -90% RH
Afmetingen (B x L x H)	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
Gewicht	37 kg / 81,5 lbs
Standaardaccessoires	Power cord, wireless remote control
Certificeringen	CE, FCC Class A and cNus
Garantie	Limited 5 years parts and labor, extendable

Laatst bijgewerkt: 09 Jul 2026

© 2026 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 voor de nieuwste specificaties.