FS70-4K4

4K laser-phosphor projector with IR for NVG stimulation

- **Up to 4K (3,840 x 2,400) resolution**
- **IR for Night Vision Goggles stimulation**
- **Durable and robust for 24/7 operation**
- **Improved motion Smear Reduction Processing (SRP)**
- **Long lifetime up to 60, 000 hours (depending on mode of operation)**

The FS70-4K4, powered by Barco Pulse image processing, is an addition to the flagship F70 laser-phosphor series with native WQXGA and up to 4K (3,840 x 2,400) resolution. This version comes with an added built-in IR LED light source to stimulate NVG for training at nighttime. It comes with improved performance for fast moving content, as well as improved color-to-white ratio, intended for high-demanding applications. Designed specifically for the simulation market's tough requirements it is robust and reliable, with an outstanding image quality.

Training with NVG

The FS70-4K4 has an added built-in IR LED light source to stimulate NVG for training at nighttime with IR transmission optimized at 740nm. It allows for full individual control of both the visual and IR light intensity, making sure the projector is tuned exactly to the trainee's scenery needs. The dual iris built into the projector ensure improved contrast and deeper black levels for the most realistic image reproduction.

24/7 operation for Low Total Cost of Ownership (TCO)

Designed for the motion platform's rapid and sudden movements, it is the perfect choice for any type of applications that need a robust visual system that last over time and can be operated 24/7. With a lifetime of up to 60,000 hours* coupled with long service intervals, the F70-series is one of the most durable projectors on the market and make sure the training time is maximized.

Optimized for smooth image performance

The FS70-4K4's powerful and improved Motion Smear Reduction Processing (SRP) is optimized to remove the typical challenges occurring when viewing

The FS70-4K4's powerful and improved Motion Smear Reduction Processing (SRP) is optimized to remove the typical challenges occurring when viewing fast-moving content, e.g. when an aircraft is rolling, pitching, or banking. Combined with an improved color-to-white ratio, the user will experience increased brightness in colors, better color performance across moving images and deeper black levels for an impeccable reproduction of scenes. The SRP feature will also have a positive impact on lifetime.

*Depending on the mode of operation

Product specificaties	FS70-4K4
Algemene specificaties	
Helderheid	3,800 Lumens
Contrastverhouding	1,800 – 6,000:1 sequential
IR voor NVG	yes
Uniformiteit van de helderheid	90%
Beeldverhouding	16:10
Projectortype	1DLP laser phosphor
Resolutie	3,840 x 2,400 / 3,840 x 2,160 / 2,560 x 1,600 (native)
Lenstype	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	Up to 60,000 hours, depending on mode of operation
Verzegelde DLP™-kern	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
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	Up to 12-bit, depending on configuration
Softwaretools	Projector Toolset
Controle	IR, RS232, RJ45
Netwerkverbinding	IR, RS232, RJ45
Energiebehoeften	100-240V / 50-60Hz
Energieverbruik	743 W nominal, 1100 W maximum
BTU per uur	Max 4,000 BTU/h
Geluidsniveau (typisch bij 25°C/77°F)	36 dB(A)
Bedrijfstemperatuur	10 -40 °C (sea level)
Opslagtemperatuur	-20 to 60 °C
Luchtvochtigheid bedrijf	20 -80% RH
Vochtigheid bij opslag	10 -90% RH
Afmetingen (BxLxH)	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
Gewicht	37 kg / 81,5 lbs
Standaard accessoires	Power cord, wireless remote control
Certificeringen	CE, FCC Class A and cNus
Garantie	Limited 5 years parts and labor, extendable

Laatst bijgewerkt: 19 Sep 2024

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