

F70-W6C

WUXGA laser-phosphor projector for simulation



The F70 is a laser-phosphor projector with WUXGA resolution that was built specifically for simulation applications. Unlike 'general purpose' projectors that are offered to a wide variety of markets, the F70 answer to the simulation market's specific requirements - including high robustness, longer lifetime, and laser-sharp image quality. Projectors that do not meet these demands don't last long or require frequent and expensive maintenance.

Fitted with protective metal encasing the entire projector, Barco's F70 is robust enough to withstand a motion platform's rapid and sudden movements, making it the perfect choice for this type of applications.

Designed for 24/7 use

The F70 is designed for performance and reliability. With the Constant Light Output (CLO[®]) functionality, the projector produces predictable and constant brightness and color over an extended period of time. Through its laser-phosphor light source and advanced cooling design, it provides up to 60,000 hours operating time (depending on the mode of operation) without need for lamp changes, resulting in considerable cost-savings on maintenance and materials. The design of the F70 also takes into account the mounting requirements and suite of lenses, making the F70 the perfect choice for technology upgrade decisions.

Brighter, better

With brightness levels in simulation configurations of up to 5,500 lumens, the F70 can effortlessly meet the requirements of any simulation system. This means that, along with minute details, you also have the matching brightness to see every single aspect of the simulation scene in absolute clarity. Features especially designed for simulation include Smear Reduction Processing (SRP[™]), dual input @120HZ, dual iris and optical filters for better contrast and higher black levels, as well as all-glass optics for razor-sharp, high quality images.

BARCO

Visibly yours

Product specifications**F70-W6C**

Projector type	1DLP laser phosphor
Resolution	1,920 x 1,200 (WUXGA)
Brightness	5,500 center lumens
Contrast ratio	1,800:1 sequential, 50,000:1 dynamic
IR for NVG	no
Brightness uniformity	90%
Aspect ratio	16:10
Lens type	FLD/FLD+
Optical lens shift	Up to 134% lens shift, depending on lens. Motorized zoom, focus, vertical and horizontal shift, iris** and shutter.
Color correction	P7 RealColor™
CLO (constant light output)	Yes*
Light source	Laser phosphor
Light source lifetime	Up to 60,000** hours, depending on mode of operation
Sealed DLP™ core	Yes
Orientation	360° rotation, no restrictions
3D	Active stereoscopic 3D*
Image processing	Embedded warp & blend engine
Keystone correction	Yes
Inputs	HDSDI 2x DP1.2 2x dual link DVI-I HDBaseT** (upgradeable) HDMI1.4 ** (2.0 upgradeable) RJ 45 Ethernet DMX in/out ** (upgradeable) RS232 in 2x USB 12V out
Input resolutions	Including and up to: 1,920 x 1200 @ 60Hz 2,560 x 1,600 @ 120Hz
Software tools	Projector Toolset
Control	IR, RS232, RJ45
Network connection	IR, RS232, RJ45
Power requirements	100-240V / 50-60Hz
Power consumption	1,100 W Max.
BTU per hour	Max 4,000 BTU/h
Noise level (typical at 25°C/77°F)	36 dB(A)
Operating temperature	10 - 40 °C (sea level)
Storage temperature	-20 to 60 °C
Operating humidity	20 - 80% RH
Storage humidity	10 - 90% RH
Dimensions (WxLxH)	475 x 593 x 286 mm / 18,7 x 23,3 x 11,2 in
Weight	37 kg / 81,5 lbs
Standard accessories	Power cord, wireless remote control
Certifications	CE, FCC Class A and cCSAus
Warranty	Limited 3 years parts and labor. Extendable up to 5 years
Notes	* SW upgradeable feature, available in Q2 2017 **HDMI2.0, HDBaseT ethernet and DMX available as software upgrade in Q2 2017

Last updated: 03 Jan 2017
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

BARCO

Visibly yours