F50 WUXGA

Compact 120 Hz, single-chip DLP projector with WUXGA resolution

- **Razor-sharp images with vivid colors**

- **Active 3D stereo and high frame rates**

- **Compact and rugged design**

Designed for 24/7 operation, the F50's total cost of ownership is reduced to a minimum thanks to its reliable DLP® technology, filter-free design, and low maintenance needs. The compact F50 projector is suited for a wide variety of demanding applications in virtual reality, simulation and training, visitor attractions, collaboration suites and scientific visualization.

Unmatched image quality

With its cutting-edge optics that deliver razor-sharp images, the F50 displays flawless images with vivid colors, and rich in contrast. Producing low noise levels, it also features RealColor™ color management, Smear Reduction Processing™ and high frame rates. The F50 boasts four different digital input sources and a wide range of expansion modules and high-quality projection lenses.

Key benefits

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PRODUCT SPECIFICATIONS	F50 WUXGA
Projector type	Single chip DLP digital projector
Technology	LVDS DMD™ with DarkChip3™
Resolution	1920 x 1200
Brightness	5,500 ANSI lumens (High Brightness) 2,700 ANSI lumens (VizSim Bright) 2,000 ANSI lumens (VizSim)
Contrast ratio	up to 5,300:1
Brightness uniformity	>80%
Aspect ratio	16:10
Lens type	All pure glass lenses
Lenses	Ultra Wide Fixed EN53 (0.74:1 @1.65m) Wide Fixed EN52 (0.92:1) Super Wide Zoom EN55 (0.80 - 1.08:1) Wide Zoom EN56 (1.06 - 1.62:1) Zoom EN51 (1.60-2.21:1) Ultra short throw EN57 (0.28:1)
Optical lens shift	Vertical: +130%; Horizontal: +/-52% (lens dependent)
Color correction	RealColor™
Lamps	1 x 350W UHP (dimmable)
Lamp lifetime	Up to 2,000 hours (Full power) / up to 2,500 hours (Eco mode)
Lamp house, quick replace	Yes
Lamp warranty	500 hours or 90 days
Sealed DLP™ core	Yes
Orientation	Table - ceiling (360 degrees through lamp axis)
3D	Up to 2,560 x 1,600 @ 120Hz
Inputs	2x DisplayPort 1.2 (HBR2), 1 x DVI-Dual Link, 1 x HDMI 1.4a, 1 x VGA, 2x 3G-SDI, 1x HDBaseT
Input resolutions	2,560 x 1,600 - 640 x 480 pixel resolution, RGBHV, RGBS, RGsB, custom formats available, HDTV (1080p, 1080i, 720p), NTSC, PAL, SECAM
Max. pixel clock	Up to 600 Mhz (2,560 x 1,600@120 Hz max) DP 1.2 Up to 330 Mhz Dual link DVI
Software tools	SimCAD, Projector Toolset
Control	IR, RS232, Ethernet, USBA, 2x BNC sync, 1x MiniDIN
Network connection	10/100/1000 base-T, RJ-45 connection, RS-232
Power requirements	100-240V 50-60Hz
Power consumption	less than 530W
Operational ambient temperature	10 - 40 °C /50 - 104 °F, 0-3,000m (Storage temperature: -20 - 60 °C/-4 - 140 °F)
Operating humidity	20 - 80% RH (Storage Conditions: 10 - 90% RH)
Dissipation BTU	max 1,807 BTU/h
Dimensions (WxLxH)	342 x 306 x 143 mm / 13.46 x 12.05 x 5.63 in
Weight	7.5 kg / 16.5 lbs
Standard accessories	Power cord, wireless remote control
Certifications	Compliant with FCC, part 15 Class A and CCC, cNus, cUL, UL and CE
Warranty	Limited 3 years parts and labour

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Technical specifications are subject to change without prior notice. Please check www.barco.com for the latest information.