

F22 series

High-performance single-chip DLP projector with 1080p, SXGA+ or WUXGA resolution up to 3,300 lumens



The F22-series is the ultimate compact performance projector for technically challenging and demanding applications. Providing world-class technology, a functional and innovative design, the F22 delivers an unmatched level of performance, reliability, automation and customization.

The design is in the details

Featuring WUXGA, 1080p and SXGA+ resolutions with up to 3,300 lumens, the F22 ensures the best possible result for your image needs in every situation. Its compact footprint makes smart use of valuable installation area and reduces the resources required during physical installation. Once mounted, lamp changes can be done with the projector in situ, saving both time and money.

Performance you can count on The F22-series projectors are specifically engineered for demanding environments such as motion-based simulators or theme park rides, where reliability and performance are paramount. Each projector is manufactured and meticulously tested and calibrated in the Barco center of excellence in Norway. The product is warranted for 24/7 operation and is supported around-the-clock by Barco's global service and support team.

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Product specifications

F22 series

Technology	single-chip DLP® projector
Concept	optical lens shift design
Resolution	SXGA+ (1,400 x 1,050) / 1080p (1,920 x 1,080) / WUXGA (1,920 x 1,200)
Brightness	Up to 3,300 lumens
Contrast	Up to 2,500 : 1 (Nominal full field on/off)
Aspect ratio	16:9 (720p) / 4:3 (SXGA+) / 16:9 (1080p) / 16:10 (WUXGA)
Display colors	Less than 1 Billion colours, 30-bit RGB
Latency	~22ms frame on graphics port
Computer graphics formats	1,920 x 1,200 - 640 x 480 pixel resolution (model dependent) / RGBHV, RGBS, RGSB
Horizontal scan frequencies	15 - 150 kHz (resolution dependant)
Vertical scan frequencies	48 - 190 Hz (resolution dependant)
Video formats	EDTV (576p, 480p) / SDTV (576i, 480i) / HDTV (1080p, 1080i, 720p) /NTSC, PAL, SECAM
Lens operation	Focus, shift and manual zoom
Lenses	<ul style="list-style-type: none">■ Wide Angle EN17 lens - throw ratios: 1.09 : 1 (720p) / 1.00 : 1 (SXGA+) / 0.92 : 1 (1080p) / 0.92 : 1 (WUXGA)■ Ultra Wide Angle EN19 lens - throw ratios: 0.88 : 1 (720p) / 0.80 : 1 (SXGA+) / 0.74 : 1 (1080p) / 0.74 : 1 (WUXGA)■ Standard projection lens EN35 - throw ratios: 1.89 - 2.62 : 1 (720p) / 1.73 - 2.39 : 1 (SXGA+) / 1.60 - 2.21 : 1 (1080p) / 1.60 - 2.21 : 1 (WUXGA)
Image width	F22 lenses are not interchangeable 0.7 - 2.5 m
Light source	220W UHP lamp
Lamp lifetime	Up to 2,250 hours (full power) / up to 3,000 hours (Eco mode)
Computer inputs	1 x HDMI 1.3a, 1 x DVI-I, 1 x VGA
Video Input	1 x HDMI 1.3a, 1 x DVI-I, 1 x S-video, 1 x Composite, 1 x YPbPr
Control possibilities	1 x RJ-45 TCP/IP, 1 x 9-pin D-SUB RS232, 1 x USB
Dimensions	278 x 94 x 234 mm (WxHxD)
Weight	2.9 kg
Shipping Dimensions	440 x 440 x 310 mm (WxHxD)
Shipping Weight from Factory	7.4 kg
Power requirements	3.0-1.3A, ~100-240V, 50-60Hz
Conformances	CE, FCC Class A and cCSAus
Operating temperature	10 - 40 °C
Storage temperature	-20 - 60 °C
Operating humidity	20 - 80% RH
Storage humidity	10 - 90% RH
Color	Black metallic
Warranty	3 years standard warranty, 500 hours or 90 days on lamp (whichever comes first). Optional 2 years, 24/7 operation warranty. Conditions apply.
MTBF	27,838 hours
BTU per hour	Less than 1,061

Last updated: 31 Mar 2017
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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