F10 AS3D

Compact Active Stereo DLP projector for professional applications

The F10 AS3D enables full 3D stereoscopic visualisation from a small, single lens chassis, and at full 120 Hz refresh rates commonly used in stereoscopic systems. Fully 1080p compatible, it is a tool not only for the scientific visualisation and simulation industries, but also suited for video and film production and DI and VFX creation. The revolutionary F10 AS3D offers full active 3D stereoscopic display at 120 fps refresh rates at all resolutions up to 1,920 x 1,200.

Unique high performance

The F10 AS3D runs full resolution at double the bandwidth – all the time. Hence, image quality, detail, and accuracy is much higher with the F10 AS3D.

Who's it for?

Designed primarily for the requirements of scientific visualization, simulation and mathematical modelling, it makes it easy to display 3D stereoscopic data analysis and other graphically challenging applications, such as design feasibility studies and modelling, not to mention 3D video and motion content.

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PRODUCT SPECIFICATIONS	F10 AS3D
Concept	single lens, dual head stereoscopic projector
Resolution	SXGA+ (1400 x 1050)
Brightness	Up to 2000 lumens (3D mode: up to 2000 ansi lumens 2D mode: up to 2000 ansi lumens)
Contrast	Up to 3000 : 1 (Prism-less optical design)
Technology	patented 3D stereo technology single chip DLP display with fully active 3D stereo compatibility
Aspect ratio	4:3 (SXGA+)
Display colors	30-bit RGB
Computer graphics formats	UXGA, SXGA+, SXGA, XGA, SVGA, VGA 1920x1080 - 640 x 480 pixel resolution custom formats available 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 and Manual zoom

Lenses	Standard projection lens
	
	- Lens number: EN08 / 503-0034-00
	- Focus range: 1.0 - 15.0 m
	- Throw ratio
	  - 1.73 - 2.17 : 1 (SXGA+)
	
	Wide Angle
	
	- Lens number: EN10 / 503-0035-00
	- Focus range: 1.5 - 20.0 m
	- Throw ratio
	  - 1.03 : 1 (SXGA+)

Image width	0.7 - 2.5 m
Light source	220W UHP
Lamp lifetime	Up to 2250 hours (Full power) Up to 3000 hours (Eco mode)
Computer inputs	2 x DVI-D 2 x VGA
Video Input	1 x YPbPr 1 x S-video 1 x Composite
Control possibilities	1 x RJ-45 TCP/IP 1 x 9-pin D-SUB RS232 1 x USB
Dimensions	278 x 110 x 278 mm (WxHxD)
Weight	3.4 kg
Power requirements	5.0-1.7A ~100, 50-60Hz
Conformances	CE, FCC Class A, UL, cUL and cCSAus
Operating temperature	0 - 40 °C
Storage temperature	-20 - 60 °C
Operating humidity	20 - 80% RH
Storage humidity	10 - 90% RH
Color	Black metallic
(E)TSO	3 years, 500 hours or 90 days on lamp (whichever comes first).
BTU per hour	

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

ENABLING BRIGHT OUTCOMES

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