

professional projector series

F10 AS3D

active 3D stereoscopic display
sxga+ (1400 x 1050) resolution
single chip DLP® technology
full 1080p compatibility



projectiondesign F10 AS3D

The revolutionary F10 AS3D is the first projector of its kind that offers full active 3D stereoscopic display at 120 fps refresh rates at all resolutions up to 1080p inputs. Based on our well known professional F10 projectors, it utilises single chip DLP technology to its full extent, with small size, portability, and high performance and impeccable image quality.

The F10 AS3D has been designed primarily for the requirements of scientific visualization, simulation and mathematical modelling, making it easy to display geotechnical data analysis, and other graphically challenging applications, such as game development and design feasibility studies.



Active 3D Stereoscopic Display technology

The F10 AS3D uses patented technologies for displaying full Dual Head 3D Stereographic content from digital or analogue computer sources – available from a wide range of standard systems. Displaying a full 120 frames per second, it provides a flicker free image without colour alterations or viewing angle limitations known from some passive 3D stereo technologies.

Unique combination of size and performance

Several projectors offer active 3D stereoscopy, but none do it with the finesse of the F10 AS3D. The unique combination of unmatched small size and 3D stereo makes it the ideal projector for installing in CAVEs, meeting and collaboration rooms, and production studios.

High resolution DLP technology

With its native 1400 x 1050 pixel resolution DLP technology, and up to full 1080p compatibility, the F10 AS3D is the only viable option for anyone in need of a high performance, portable 3D Stereo solution. The unprecedented speed of DLP technology, in addition to contrast, colour accuracy and broad dynamic range, makes it the ideal projector for applications as diverse as motion simulators and visualisation suites, to medical screening rooms and even office installations.

DLP Link (White Light) and IR shutter glass compatibility

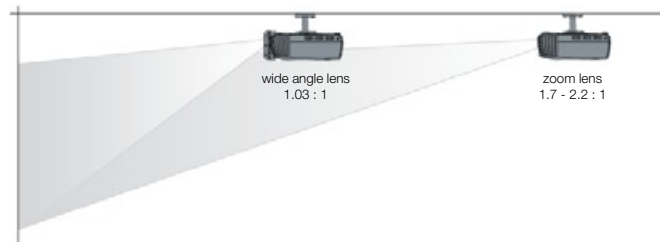
The first projector of any kind to feature the new DLP Link / White Light shutter glass synchronisation technology enables even higher perceived brightness and improved image quality. Shorter switching time, increased synchronisation stability, and improved reliability gives more predictable performance. IR or DLP Link mode is user selectable.

Comprehensive connectivity



The F10 AS3D features complete Dual Head inputs for analogue and digital computer sources, one each for the left and right eye image source. With full dual DVI-I and VGA connectivity, as well as standard mono video sources, complete TCP/IP and RS232 control, the F10 AS3D also features a dedicated IR emitter output.

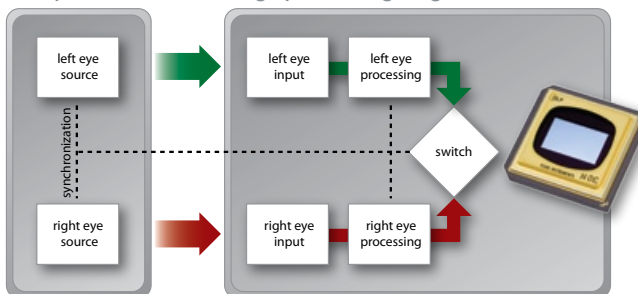
Lens options



Technical specifications

projector	technology	Active 3D Stereoscopic DLP® projector
display	resolution	single Chip DMD™ with sealed optical architecture
	brightness	1400 x 1050 pixels
	contrast ratio	3D mode: up to 2000 ANSI lumens
	colours	2D mode : up to 2000 ANSI lumens
	3D compatibility	>3000 : 1
3D Stereo features	shutter glasses	30-bit (10 bits per colour)
	supported refresh rates	Dual Head (two channel) input, digital or analogue
	advanced	up to 120 Hz (fps) L/R
optics and lamp	available lenses	DLP Link or IR emitted synch
	focusing distance	96 - 120 Hz
	optical lens shift	shutter glass phase synch adjustment
	lamp life	advanced switching period adjustment
connectivity	digital computer	1.03 : 1 wide angle
	analogue computer	1.70 - 2.20 : 1 standard zoom
	video	1 - 15m
	LCD shutter glasses sync	fixed: 115% offset
	asset management	220W VIDI FusionPlus UHP™, adjustable
general	control	2250 hrs full power mode, 3000 hrs eco mode
	dimensions (dwh)	Dual Head DVI-D
	weight	Dual Head DVI-A, or VGA
	power requirements	component, s-video, video, 2D / mono video only
	conformances	IR emitter output; 3-pin DIN or BNC
	available colour	projectiondesign ProNet –
	warranties	client/server based asset management
		RS-232, TCP/IP, IR, 2x 12V triggers
		268 x 300 x 104 mm (including lens)
		about 3.5 kg (with zoom lens)
		90 - 240 VAC, 50/60 Hz, +/- 10%, <1.5/3A (240V/120V)
		FCC Class A, CE, CSA, UL, CCC
		black metallic
		2 years parts and labour
		500 hours or 90 days on lamp (conditions apply)
		up to five years total optional extended warranty
		including full 24/7 operation (conditions apply)

Complete Dual Head Image processing diagram



The left and right eye source information each features its own complete image processing, as if they were separate sources. This ensures headroom and bandwidth to secure full high resolution inputs at high refresh rates, as well as 1080p inputs at 120 fps.

Available versions

projection lens	wide angle	zoom
colour wheel		
RGBCMY (VizSim)	101-1071-08	101-1070-08
Available colour: black metallic		

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