

professional projector series

F30 1080

full HD 1080p resolution
DLP® BrilliantColor™ technology
up to 6000 ANSI lumens
failsafe 24/7 and DuArch™ operation

The F30 1080 is based on our professional F30 series of projectors, providing the ultimate in image quality, 24/7 operation guarantee, configurable input options, and network asset management possibilities.

Full HD 1080p high resolution professional projector

The new projectiondesign F30 1080 is based on our widely recognized F30 series, and combines its high performance, application adaptability and customization options with even greater flexibility in the form of higher resolution at 1920x1080 pixels. Perfect for a whole range of applications, where higher resolution and improved detail, multiple displayed windows, or simply high definition video is the source material.

BrilliantColor™ technology

By fully utilising BrilliantColor™ technology, our new six-colour image processing gives the F30 1080 a wider gamut, with better saturation, and truer colours than standard DLP projectors or 3LCD projectors. New technologies allow adding not only RGB, but also Cyan, Magenta, and Yellow to the picture, resulting in less cross-colour contamination. Extra saturation and gradation result in natural colours that are incredibly difficult to display with only red, green, and blue primary colours. In addition, BrilliantColor™ adds midrange punch and brightness, allowing for a much more dynamic imaging experience, and with better suitability for larger scenes.

Designed for reliability

The F30 1080 shares all reliability features with its siblings to provide failsafe operation. At the heart of the projector sits our patented DuArch™ illumination architecture that allows for Hot Swapping of lamps while still in operation, and keeping the image on screen. DuArch™ features dual colour wheels, dual illumination optimisers, and dual illumination optics. For monitoring, a backlit LCD status panel is available for immediate and configurable status overview and events logging. In addition, direct view status lights communicate status. The F30 1080 also features complete control and asset management over TCP/IP from any remote computer, using standard tools, or through our own ProNet asset management software.

Configuration options

The F30 1080 can be set up with any one of six different projection lenses, covering a wide range of projection ratios, from ultra wide to ultra long throw, ensuring it fits in any installation. Matching that with the range of available colour wheels, and most requirements should be taken care of.



High performance optics

The key to optimum image quality, and installation flexibility is ensured with a wide range of all-glass projection lenses, covering 0.79 – 6.5 : 1 throw ratios. All lenses are user replaceable and can be shifted $\pm 125\%$ vertically and $\pm 90\%$ horizontally, for total freedom in projector placement.

RealColor and BrilliantColor™

Our proprietary RealColor technology simplifies set up routines and calibration, and ensures a near perfectly rendered image with any given input source. By combining it with Texas Instruments® BrilliantColor™ technology, a wide gamut, strongly saturated image is projected.

High Brightness

The F30 1080 outputs enough brightness to easily fill most screens. For smaller screens, the brightness can be reduced to still fill the exact same requirement, with prolonged lamp life.

Full 10-bit colour resolution and HDMI 1.3a

The F30 1080 provides true 10-bit resolution per colour, for a total of >1 Billion simultaneously displayable colours. Reduced image gradation and solarization effects, and the high bandwidth (225 MHz) of HDMI 1.3a with support for 12-bit DeepColor secures a future proof investment. Our unique DPEq (Digital Pixel Equalization) allows up to 30m (100 ft) long HDMI and DVI runs without loss of signal and image quality, when using 24 AWG cables.

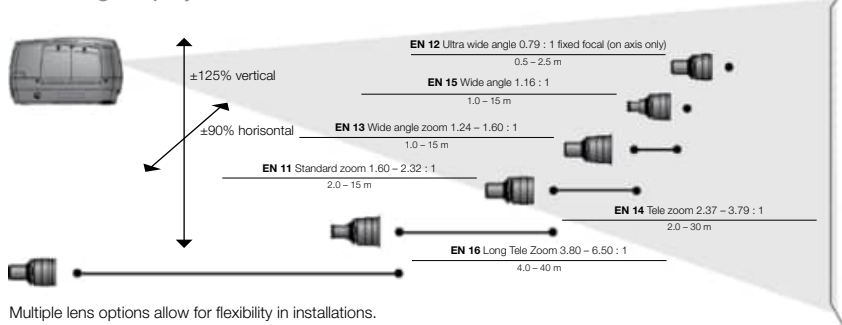
projectiondesign ProNet asset management

Optional asset management software allows easy management in large site installations, or even multi-site installations, supporting hundreds of projectors from a single interface.

technical specifications

projector		F30 1080
display	concept	1080p HDTV DLP® digital projector
	technology	single chip, powered lens shift design
	resolution	0.95" 1080p DMD™ (Digital Micromirror Device™)
	brightness	1920 x 1080 pixels (full 1080p HDTV) up to 6000 ansi lumens (high brightness) up to 5100 ansi lumens (graphics) up to 4100 ansi lumens (vzsim) up to 7500 : 1 (user configurable)
optics and lamp	contrast ratio	16 : 9, 1.85, 2.35 and 1.33:1 compatible
	aspect ratio	30-bit (> 1 Billion displayable colours)
	colours	available lenses
	available lenses	six options covering 0.79 - 6.5 : 1
connectivity	focusing distance	0.5 – 40m / 1.5 - 130 ft (customizable)
	optical lens shift	Vertical: $\pm 125\%$ Horizontal: $\pm 90\%$
	lamps	2x300W UHP™
	lamp life	2000 hours full power mode, 2500 hours at 80% 4000 / 5000 hours in auto single lamp relay mode
compatibility	digital	1x HDMI 1.3 (HDCP) with DPEq 1x DVI-D (HDCP) with DPEq
	analogue	2x RGBHV (5x BNC and 15-pin HDDSUB) 1x component video, 1x S-video, 1x video
	optional input module	HD-SDI, SDI
	digital	1x HDMI / 1x DVI-D (640x480 -1920x1080 at up to 225 MHz pixelrate) 1x HD-SDI / SDI (SMPTE 292M and 292M-C (optional))
general	analogue	RGBHV, RGBS, RGSB, virtually any signal up to 1920 x 1200 at 60 Hz and 205 MHz pixelrate
	asset management	projectiondesign ProNet – asset management software for an unlimited number of projectors (optional)
	control	RS-232C (in/out), TCP/IP, IR, 2x 12V triggers
	dimensions (dwh)	376 x 510 x 223 mm (excluding lens)
weight	weight	12.6 kg / (excluding lens)
	supplied accessories	IR remote control, power cord, quick start guide
	power requirements	90 – 240 VAC, 50/60 Hz, +/- 10%, <1050W
	conformances	CE, CSA "C/US", FCC Class A, CCC
available colour	available colour	black metallic, silver metallic
	warranties	2 years parts and labour, 500 hours or 90 days on lamp, conditions apply 3rd year, 24/7 warranty optional

Wide range of projection lenses

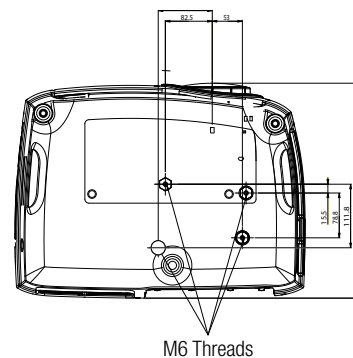


Multiple lens options allow for flexibility in installations.

Available versions

Colour Wheel	1920 x 1080
VizSim (RGBCMY) (standard)	101-1405-xx
Graphics (RGBCYW) (option)	101-1407-xx
High Brightness (RGBCYW) option	101-1406-xx
Available colours: black metallic -08 (standard), silver -14 (option)	

Standardised bolt-on ceiling mount interface



Expandable input panel



The comprehensive input panel features HDMI 1.3a and DVI for high resolution digital imaging, and can be expanded with HD-SDI and SDI input modules (not available on all models).

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