

F82 series

3-chip DLP® venue projector



The 3-chip DLP F82 projector is designed for 24/7 operation. With a wealth of options for accurately adjusting color and brightness performance, the F82 series can be tailored to a wide range of applications, focusing on large screen video centric displays and events. The F82 series projector is available with a variety of filter sets to cover all color standards from sRGB to REC709 color spaces to DCI colors.

Reliable DLP technology

The reliable DLP technology from Texas Instruments® offers unmatched image quality and performance. What's more, DLP technology has proven to be the most reliable of all microdisplays and will not degrade when subjected to UV light, inherent in all projectors.

Precise projection lens optics

The F82 series comes with a wide range of custom-made projection lenses for high-quality images and a reliable setup. Key features include adjustable IRIS and aperture settings, motorized zoom, focus and shift with memory function for use in multiple settings with programmed calibration. Most importantly, every lens uses Low Dispersion (LD) and aspherical glass elements for high-quality focusing and sharpness, as well as high optical interfield contrast. The lenses range from an ultra wide angle 0.8 : 1, to a super tele zoom 6.5 : 1.

Advanced optical color processing

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Low Total Cost of Ownership

The required maintenance for the F82 series has been reduced to a minimum. There are no user-serviceable parts inside, and it does not have any filters or other parts that require periodical replacement. The F82's lamp replacement cost is low, and typical lamp life is long for a low total cost of ownership.

Product specificaties

F82 SERIES

General specifications

Concept	Three chip, powered lens shift system with user adjustable optical color processing filters.
Resolutie	SXGA+ (1,400 x 1,050) / 1080p (1,920 x 1,080) / WUXGA (1,920 x 1,200)
Helderheid	Up to 10,000 lumens
Contrast	Up to 15,000 : 1
Technologie	Three chip DLP® projector with APOC optical color processing and user selectable optical color space (sRGB, REC709 or optionally DCI). Individual color filters for R, G, and B channels for optimum color accuracy and application adaptability.
Beeldverhouding	4:3 (SXGA+) / 16:9 (1080p) / 16:10 (WUXGA)
Beeldschermkleuren	30-bit RGB
Latentie	~22 ms with graphics inputs
Grafische indelingen computer	1,920 x 1,200 - 640 x 480 pixel resolution / RGBHV, RGBS, RGsB / custom formats available
Horizontale scanfrequenties	15 -150 kHz (resolution dependant)
Verticale scanfrequenties	48 -190 Hz (resolution dependant)
Videoformaten	EDTV (576p, 480p) / SDTV (576i, 480i) / HDTV (1080p, 1080i, 720p) / NTSC, PAL, SECAM
Lenswerking	Motorized zoom, Focus, Shift, Iris and Mechanical shutter
Lenzen	■ Standard projection lens EN21 – throw ratios: 1.84 - 2.76 : 1 (SXGA+) / 1.70 - 2.55 : 1 (1080p) / 1.70 - 2.55 : 1 (WUXGA) ■ Ultra Wide Angle lens EN22 – throw ratios: 0.80 : 1 (SXGA+) / 0.74 : 1 (1080p) / 0.74 : 1 (WUXGA) ■ Wide Angle Zoom lens EN23 – throw ratios: 1.30 - 1.84 : 1 (SXGA+) / 1.20 - 1.70 : 1 (1080p) / 1.20 - 1.70 : 1 (WUXGA) ■ Short Tele Zoom lens EN24 – throw ratios: 2.71 - 4.33 : 1 (SXGA+) / 2.50 - 4.00 : 1 (1080p) / 2.50 - 4.00 : 1 (WUXGA) ■ Long Tele Zoom lens EN26 – throw ratios: 4.22 - 6.76 : 1 (SXGA+) / 3.90 - 6.24 : 1 (1080p) / 3.90 - 6.24 : 1 (WUXGA)
Beeldbreedte	2 -10 m
Lichtbron	2 x 330W UHP
Levensduur lamp	Up to 2,000 hours (Full power) / Up to 2,500 hours (Eco mode)
Computeringangen	1 x DVI-D / 1 x HDMI 1.3a / 1 x VGA / 1 x 5-BNC
Video-ingang	1 x HDMI 1.3a / 1 x YPbPr / 1 x S-video / 1 x Composite
Controlemogelijkheden	1 x RJ-45 TCP/IP / 2 x 9-pin D-SUB RS232 / 1 x USB / 2 x 12V programmable trigger (3.5mm mini jack)
Afmetingen	604 x 250 x 462 mm (WxHxD)
Gewicht	24.1 kg
Verzendingsafmetingen	820 x 420 x 720 mm (WxHxD)
Verzendgewicht af fabriek	32 kg
Voedingsvereisten	12.5A or 6.5A, 100-120V or 200-240V, 50-60Hz
Conformiteiten	CE, FCC Class A, UL and cUL
Bedrijfstemperatuur	10 -40 °C
Opslagtemperatuur	-20 -60 °C
Hoogte	Up to 2000 m
Vochtigheid in bedrijf	20 -90% RH
Vochtigheid bij opslag	20 -90% RH
Kleur	Soft touch rubber matte black
Garantie	3 years, 500 hours or 90 days on lamp (whichever comes first). Up to 2 years warranty extension available. Conditions apply.
MTBF	24,346 hours
BTU/uur	less than 2,900

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