projectiondesign as

production specific projectors

DLP® technology

guaranteed colour performance

high resolution optics

cineo series projectors

The cineo series of production specific DLP® projectors is carefully designed to meet the requirements of video and film production and editing environments, including post production, VFX creation, film editing, and broadcast monitoring applications. Where the primary concern is predictable image quality, reliability, and stability of performance, every cineo projector fulfils requirements for colour accuracy and consistency, as well as the desired contrast and brightness levels for a variety of screen sizes.

projectiondesign cineo projectors use Texas Instruments® DLP technology – the very same technology to be found in most digital cinemas. Therefore, they provide the exact same experience to the producer, director, or artist. The technology's inherent qualities ensure an image free from developing unwanted artifacts over time, such as colour shifts, reduced contrast, or lack of saturation. Thus, it provides the perfect platform for demanding imagery, with peace of mind as a major benefit.

projectiondesign cineo series projectors are installed in a large number of grading and preview suites all over the world, and is quickly becoming the professional's choice in critical applications.

unique features

predictable image quality and accuracy

projectiondesign's unique RealColor colour management suite guarantees unique colour accuracy. It provides flawless calibration to any desired HD gamut. Furthermore, the cineo32 LED and cineo80 series projectors feature DCI compatible film space colours, and uniquely provides the user with the ability to select the desired colour space using optical calibration rather than electronic compensation. This ensures no loss of precious bit depth.

consistency of performance

Unlike some competing projectors that experience great changes in performance over time, the cineo series from projectiondesign performs consistently. DLP technology makes sure that there is no colour shift or degradation, and state of the art lamps or ReaLED™ LED illumination technologies provide the most stable light sources and brightness output possible. This negates the need for constantly having to recalibrate displays, with the benefit of less downtime, and more time for actual use.

DLP technology

The use of DLP technology further enhances image quality by ensuring absolute colour uniformity across the projected image. Also, because of the inherent non-organic materials in use, it is not susceptible to change over the lifetime of the projector, as will happen to technologies like LCoS and LCD. Special attention has been paid to ensure the complete absence of cross talk between colour channels, especially in low level information, so that there is no electronic colour shift. External 1D and 3D LUT calibration is easily possible with absolute correctness.

the cineo series solution

The cineo series provides the solution to many users' requirements. Its consistent performance over time, predictable image quality and endless configuration options are unique for a range of applications and environments. The projectors' small size make them perfect for fitting into smaller suites and rooms without sacrificing performance at any point.

Despite beliefs that a screening, development, or editing suite projector must be 2k or even 4k resolution, this is often not the case. More important than actual resolution is the film like quality and tonality of the display, and the fact that the screen looks like the final product.

As a real alternative to high cost DCI compliant solutions based on 2k or 4k resolution technologies, the entire cineo series is based on the much more affordable 1080p resolution, but delivering the same high performance on all levels but the last 6% of pixels.

projectiondesign ProNet Manager

projectiondesign ProNet.Manager is a fully scalable network asset management software solution that enables status monitoring and control over any number of projectiondesign projectors, using standard IP network (LAN/WAN) or RS232 communication. ProNet management is available as an enterprise reporting tool, ProNet.enterprise, or as a local status monitoring and control tool, ProNet.site.

Grading in final post on feature film – Ninaithale Inikkum. A projectiondesign cineo32 DLP projector is the centerpiece of the Digital Intermediate and grading facility at Gemini Film Lab in Chennai, India. Image credit: Gemini Film Circuit.

high performance projectors

projectiondesign is located in Fredrikstad, Norway, a center in the projection industry since the mid 80's. We are dedicated to designing, manufacturing and marketing a wide range of high performance projectors for various challenging applications. The entire range of products is specially conceived to provide a better price to performance ratio than any competing offering in our target markets. Our dedicated in-house scientists and engineers have life long experience in complete electronic, optical, mechanical and system design of high performance projectors. The approach to integrated product design and manufacture in house assures the best attention to detail and quality. All products are designed in close cooperation with our customers in order to assure the best functionality according to the actual requirements.

philosophy

projectiondesign designs and manufactures high performance projectors for professional and residential applications. Our products are used in high profile installations where performance and reliability are key aspects of the presentation, and we understand the impact a high performance display solution makes in business decisions and demanding applications. In order to meet our clients' requirements, projectiondesign always seeks to offer the best performance for any single installation by providing the best possible fit for any one product. This must be seen in relation to the rapid development of display technologies over the past few years and decades. We seek to offer users of our products the benefit of this change for the better at a minimal cost. All projectiondesign projectors are built to order. By doing so, we guarantee that the latest software and hardware will be in any one product shipped, eliminating the occurrence of receiving a projector that has been sitting on a shelf for months, where new projectors in the same model range ultimately have had upgrades to its performance in the mean time.

achievements

projectiondesign was founded in 2001, and has achieved a tremendous amount of industry firsts. Our first product was the F1 SXGA, a product that shook the entire AV industry. The brightest single chip DLP projector ever at the time, it was also the first to use the high resolution SXGA (1280 x 1024) DMD™ (Digital Micromirror Device™). It was unmatched in the market for more than three years, when a competing product appeared with a similar specification. At InfoComm 2003, we again showed the brightest ever single chip DLP projector, at 4500 ANSI lumens, and with SXGA resolution. At the CEDIA Expo in September 2005, projectiondesign world premiered 1080p resolution DLP technology. In 2008, the revolutionary Active 3D Stereoscopic F10 AS3D was presented. A complete rethinking of active 3D stereoscopic imaging, it is revolutionary in every way, from the small size, to compatibility, and through to performance. Our 2009/2010 product offering further includes the most comprehensive range of compact 1080p DLP projectors, as well as the first commercially available, and fully configurable LED illumination based projector in the cineo32 LED and FL32 series of projectors.

3D grading and post suite at E-Motion, Genoa, Italy. David Bush operates the Pablo 4k stereoscopic suite.

cineo series

model	cineo22	cineo12
description		
technology	DLP® technology	DLP® technology
concept	full HD DLP projector for small preview suites, VFX, and DI applications	full HD DLP projector for small preview suites, VFX, and DI applications
recommended screen size	up to 220 cm wide	up to 300 cm wide
resolution	1920 x 1080	1920 x 1080
minimum native colour space	REC709	REC709
Advanced Optical Color Processing filter sets	–	–
brightness (ANSI lumens)	1400	1900 (300W) /1400 (220W)
contrast ratio	up to 2500 : 1	up to 2500 : 1
passive INFITEC 3D Stereo option	yes	yes
active 3D Stereo option	no	yes
ColorCode 3D Stereo optimized option		
optics		
ultra wide angle lens	0.74 : 1	–
wide angle lens	0.92 : 1	1.03 : 1
wide angle zoom lens	–	–
standard zoom lens	1.60 - 2.21 : 1	1.70 - 2.20 : 1
short tele zoom lens	2.70 - 4.20 : 1	–
long tele zoom lens	–	–
lens operation	manual zoom and focus, vertical lens shift	manual zoom and focus
lens shift / offset	vertical: +110%	fixed 110% vertical (standard) fixed 124% vertical (optional)
lamp options	220W VIDI UHP™	220W or 300W VIDI UHP™
lamp life full power / eco (typical)	2 250 / 3 000 hrs	2 250 / 3 000 or 2 000 / 2 500 hrs
I/O		
computer connectivity	HDMI 1.3, DVI-I, VGA	HDMI, DVI-D, 2x VGA
video connectivity	HDMI 1.3, component, S-video, composite	HDMI 1.3, component, S-video, composite
control	TCP/IP , RS232, 1x 12V trigger, RC	TCP/IP , RS232, 2x 12V trigger, RC
XPort™ expandable I/O	–	–
ProNet compatible	yes	yes
general		
weight	< 3.0 kg	<3.5 kg
dimensions in mm (d w h)	234 x 278 x 94	278 x 278 x 110
standard limited warranty	2 years	2 years
optional extended warranty (conditions apply)	3 years (total warranty period 5 years)	3 years (total warranty period 5 years)
lamp warranty	500 hours or 90 days, whichever comes first	500 hours or 90 days, whichever comes first
availability	now	now

cineo32	cineo32 LED	cineo80
DLP® technology	LED illumination DLP® technology	three chip DLP® technology
full HD projector for large screen preview and grading suites	LED based full HD DLP projector for small preview suites, VFX, and DI applications	high performance projector with high accuracy and performance for large screen theatres and suites
up to 400 cm wide	up to 250 cm wide	up to 800 cm wide
1920 x 1080	1920 x 1080	1920 x 1080
REC709	REC709 / DCI film space	REC709
–	–	DCI compliant film space
2900	750	6 500
up to 7500 : 1	up to 7500 : 1	up to 15 000 : 1 (auto adaptive)
yes	yes	yes
no	no	no
yes	yes	yes
0.79 : 1	0.79 : 1	–
1.16 : 1	1.16 : 1	0.74 : 1
1.24 - 1.60 : 1	1.24 - 1.60 : 1	1.20 - 1.70 : 1
1.60 - 2.32 : 1	1.60 - 2.32 : 1	1.70 - 2.55 : 1
2.37 - 3.79 : 1	2.37 - 3.79 : 1	2.50 - - 4.00 : 1
3.80 - 6.50 : 1	3.80 - 6.50 : 1	3.90 - 6.25 : 1
motorized zoom, focus, shutter and horizontal and vertical lens shift	motorized zoom, focus, shutter and horizontal and vertical lens shift	motorized zoom, focus, shutter and horizontal and vertical lens shift
vertical: +/-120% horizontal: +/- 90%	vertical: +/-120% horizontal: +/- 90%	vertical: +117% horizontal: +/- 84%
2 x 300W VIDI UHP™	ReaLED™ illumination	2 x 330W VIDI™ UHP™
2 000 / 2 500 hrs	100 000 hrs	2 000 / 2 500 hrs
HDMI, DVI-D, VGA	HDMI, DVI-D, VGA	HDMI, DVI-D, 2x VGA
HDMI 1.3, component, S-video, composite	HDMI 1.3, component, S-video, composite	HDMI 1.3, component, S-video, composite
TCP/IP , RS232, 2x 12V trigger, RC	TCP/IP , RS232, 2x 12V trigger, RC	TCP/IP , RS232, 2x 12V trigger, RC
HD-SDI	HD-SDI	HD-SDI
yes	yes	yes
<12.6 kg	<12.6 kg	22 kg
376 x 510 x 223	376 x 510 x 223	604 x 501 x 250
2 years	2 years	2 years
3 years (total warranty period 5 years)	3 years (total warranty period 5 years)	3 years (total warranty period 5 years)
500 hours or 90 days, whichever comes first	n/a	500 hours or 90 days, whichever comes first
now	now	tbc.

projectiondesign®
HIGH PERFORMANCE PROJECTORS

head office

projectiondesign as
Habornveien 53
N-1630 Gamle Fredrikstad, Norway
ph +47 69 30 45 50
fx +47 69 30 45 80
sales@projectiondesign.com

representation in

the Americas
projectiondesign LLC
295 North Street,
Teterboro, NJ 07608, USA
ph +1 888 588 1024
fx +1 201 288 1034
americas_sales@projectiondesign.com

Sweden
Göteborg, Sweden
ph +46 (0)705 253510
fx +47 69 30 45 80
sweden_sales@projectiondesign.com

Germany, Austria, Switzerland
Stuttgart
ph +49 7153 958263
mo +49 (176) 2316 0345
fx +47 69 30 45 80
germany_sales@projectiondesign.com

Southern Europe
Via Plinio 43, I-20129 Milano (MI), Italy
ph +39 02 45471864
fx +39 02 45471865
southe_sales@projectiondesign.com

Benelux region
J. A. L. J. van Meertenstraat 4
4194WL Meteren, The Netherlands
ph +31 (0) 345753314
fx +31 (0) 345753314
benelux_sales@projectiondesign.com

United Kingdom and Ireland
Regus House, Herons Way, Chester Business Park,
Chester, CH4 9QR, United Kingdom
ph +44 (0)1244 893 231
fx +47 69 30 45 80
uk_sales@projectiondesign.com

Asia
161 Kallang Way,
#04-05 Kolam Ayer Industrial Estate, Singapore 349247
ph +65 9621 7421
fx +47 69 30 45 80
asia_sales@projectiondesign.com

Spain and Portugal
Gorrondatxe15, bajo A
48640 Berango, Spain
ph 34 676 266 301
fx +47 69 30 45 80
iberica_sales@projectiondesign.com

India, including SAARC
Mumbai
ph +91 982 061 0670
fx +47 69 30 45 80
india_sales@projectiondesign.com

South Africa, Africa, Middle East and Oceania
1 Peterhof Close
Hout Bay 7806, South Africa
ph + 27 21 79 00 018
fx +47 69 30 45 80
africa_sales@projectiondesign.com
oceania_sales@projectiondesign.com

www.projectiondesign.com