CINeO3
projectiondesign

cineo3™ - High Definition digital eCinema projector

The cineo3™ has been designed to meet the requirements of emerging e-cinema applications. With High Definition DLP™ technology, the cineo3™ offers the best possible reliability and image quality.

Film-like image quality is ensured by using the Emmy-winning DLP™ technology known from DLP Cinema™ projectors. With superb brightness, contrast and colour fidelity, the cineo3™ is well suited even for larger cinema screens.
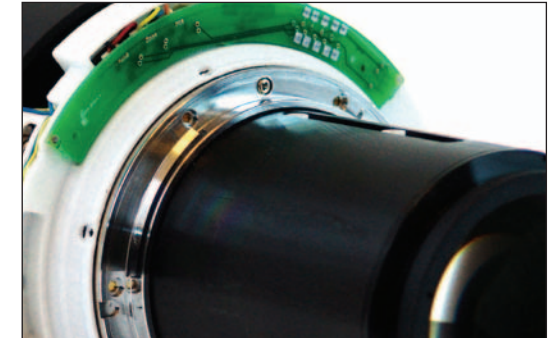
Designed for reliability, the cineo3™ has numerous features to allow failsafe operation. The patented DuArch™ illumination architecture allows Hot Swap of lamps while in operation, keeping the image on screen. In addition, the cineo3™ features dual colour wheels, dual illumination optimizers, and dual illumination irises. For monitoring, a backlit LCD status panel is available for immediate and configurable status overview and events logging, as well as complete control and asset management over TCP/IP from any remote computer, using standard tools.

Installation flexibility is ensured with a wide range of projection lenses, covering every need from 0.88 – 7.70 : 1. All lenses are user replaceable during operation and can be shifted ±110% vertically and ±90% horizontally.

Main Features

• Dual Lamp architecture for failsafe operation

• Automatic Lamp relay functionality

• Hot Swap lamps for user replacement during operation

• High brightness and contrast – user configurable

• High Definition DLP™ technology, >100.000 hours life time

• Wide range of projection lenses, user replaceable

• Vertical and horizontal lens shift for flexible installation

• REC 709 colour space compliant for colour accuracy

• Scope and wide formats available

• Secure DVI interface to film server with HDCP™ anti-piracy protocol

• Custom input configurations using patented XPort™ technology

• Backlit LCD status monitoring
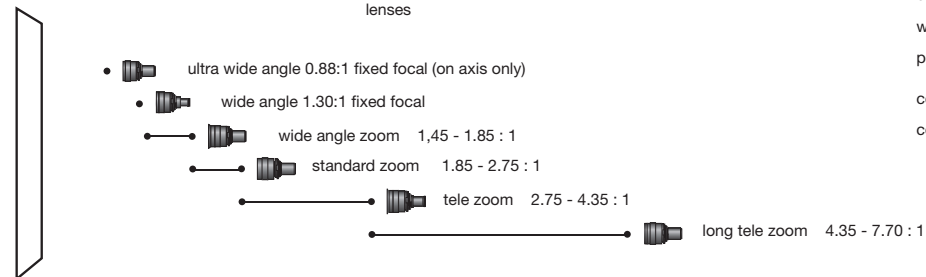
• TCP/IP asset management

HIGH PERFORMANCE PROJECTORS ™

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technical specifications

	cineo3
projector	HDTV DLP™ digital projector

display

technology	single chip LVDS DLP™ technology with DarkChip3™
concept	sealed, all-glass, optical design
resolution	1280 x 720 HDTV resolution
brightness	user configurable; up to 3500 ANSI lumens
contrast	user configurable; up to 7500 : 1
aspect aatio	16 : 9 native, scope and widescreen
colours	16.8 million displayable
latency	~ 1 input frame with graphics

compatibility

computer compatibility	RGBHV, RGBS, RGsB
horizontal scan	15 - 150 kHz
vertical scan	48 - 190 Hz
video compatibility	HDTV (1080i, 720p, 576i/p, 480i/p) NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM
bandwidth	205 MHz analog RGB, 165 MHz digital RGB

lenses

lens operation	motorized zoom/focus/shift for all lenses
IRIS control	motorized IRIS control for F/2.1 - 8.0 for all lenses

- • ultra wide angle 0.88:1 fixed focal (on axis only)
- • wide angle 1.30:1 fixed focal
- • wide angle zoom   1,45 - 1.85 : 1
- • standard zoom   1.85 - 2.75 : 1
- • tele zoom   2.75 - 4.35 : 1
- • long tele zoom   4.35 - 7.70 : 1

optics

lens shift	+/- 110% vertical, +/- 90% horizontal
lamps	250W UHP™ x2
lamp power control	200 - 250W in 5W increments
lamp life	up to 8000 hours (max) in eco lamp relay mode, 2000 hours (typ) in full power mode

inputs / outputs

computer inputs	1x 15 pin HDDSUB (analog RGB) 1x DVI HDCP (secure digital RGB) 1x BNC x5 (analog RGB or YUV)
video inputs	3x RCA (YUV) x 4-pin Mini DIN (Y/C) 1x RCA (C)
audio inputs	2x 3.5 mm Stereo Mini Jack Audio (all channels)
communications	2x RS232 9-pin DSUB (control) in/out 1x LAN
computer output	1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor
audio output	1x 3.5 mm Stereo Mini Jack

general

operating noise level (typ)	30 dB (A) at 20C/ 68F, sea level
dimensions (dwh)	400 x 500 x 200 mm (15.7" x 19.7" x 7.9")
weight (w/o lens)	15 kg / 33 lbs
power requirements	90 - 260 VAC, 50/60 Hz 900 W power consumption
conformances	CE, FCC Class A, CSA(C/US),
colours	metallic grey, silver

dvi digital visual interface   ∫uhp A PHILIPS LIGHTING INVENTION   DCDi byFAROUDJA   PICTURE BY DLP A TEXAS INSTRUMENTS TECHNOLOGY

All brands and trade names are the property of their respective owners.
Specifications subject to change without prior notice. All values are typical and may vary. Patent pending on lamp and cooling system.

www.projectiondesign.com