

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 $\pm 110\%$ vertically and $\pm 90\%$ horizontally.

Main Features

- New! Updated with higher power 300W lamps for higher brightness and impact
- Dual Lamp architecture for failsafe operation
- RealColor colour management suite
- 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 "



technical specifications

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 4200 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
<u> </u>	IRIS control	motorized IRIS control for F/2.1 - 6.1 for all lenses
	ultra wide angle 0.88:	1 fixed focal (on axis only)
	• Wide angle 1.30:1	,
1	Wide angle 1.50.	i iixod ioodi

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

lens shift Iamps 300W UHP™ x2 Iamp power control 250 - 300W in 5W increments Iamp life 6000 hours (max) in eco lamp relay mode 1700 hours (typ) in full power mode 1700 hours (typ) 1700			
lamps Solution Solution Solution	optics		
Iamp power control 250 - 300W in 5W increments 6000 hours (max) in eco lamp relay mode 1700 hours (typ) in full power mode 1x BNC x5 (analog RGB) 1x DVI HDCP (secure digital RGB) 1x BNC x5 (analog RGB or YUV) 3x RCA (YUV) x 4-pin Mini DIN (Y/C) 1x RCA (C) 1x RCA (C) 2x 3.5 mm Stereo Mini Jack Audio (all ch.) 2x RS232 9-pin DSUB (control) in/out 1x RJ-45 TCP/IP (LAN) 1x USB (firmware upgrade) 1x RJ-45 TCP/IP (LAN) 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) 1x 15 pin HDDSUB (analog)		lens shift	+/- 110% vertical, +/- 90% horizontal
lamp life 6000 hours (max) in eco lamp relay mode 1700 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) 3x RCA (YUV) x 4-pin Mini DIN (Y/C) 1x RCA (C) audio inputs 2x 3.5 mm Stereo Mini Jack Audio (all ch.) communications 2x RS232 9-pin DSUB (control) in/out 1x RJ-45 TCP/IP (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 20°C/ 68°F, sea level dimensions (dwh) 376 x 510 x 223 mm / 14.8 x 20.0 x 8.8 in weight (w/o lens) 12.7 kg / 27.8 lbs + lens power requirements 90 - 260 VAC, 50/60 Hz 900 W power consumption conformances CE, FCC Class A, CSA(C/US),		lamps	300W UHP™ x2
inputs / outputs computer inputs 1x 15 pin HDDSUB (analog RGB) 1x DVI HDCP (secure digital RGB) 1x BNC x5 (analog RGB or YUV) 3x RCA (YUV) x 4-pin Mini DIN (Y/C) 1x RCA (C) audio inputs 2x RS232 9-pin DSUB (control) in/out 1x RJ-45 TCP/IP (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) dimensions (dwh) 376 x 510 x 223 mm / 14.8 x 20.0 x 8.8 in weight (w/o lens) 12.7 kg / 27.8 lbs + lens power requirements op - 260 VAC, 50/60 Hz 900 W power consumption conformances CE, FCC Class A, CSA(C/US),		lamp power control	250 - 300W in 5W increments
computer inputs 1x 15 pin HDDSUB (analog RGB) 1x DVI HDCP (secure digital RGB) 1x BNC x5 (analog RGB or YUV) 3x RCA (YUV) x 4-pin Mini DIN (Y/C) 1x RCA (C) audio inputs 2x RS232 9-pin DSUB (control) in/out 1x RJ-45 TCP/IP (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 20°C/ 68°F, sea level dimensions (dwh) 376 x 510 x 223 mm / 14.8 x 20.0 x 8.8 in weight (w/o lens) 12.7 kg / 27.8 lbs + lens power requirements 90 - 260 VAC, 50/60 Hz 900 W power consumption conformances CE, FCC Class A, CSA(C/US),		lamp life	
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 RS232 9-pin DSUB (control) in/out 1x RJ-45 TCP/IP (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 20°C/68°F, sea level dimensions (dwh) 376 x 510 x 223 mm / 14.8 x 20.0 x 8.8 in weight (w/o lens) 12.7 kg / 27.8 lbs + lens power requirements 90 - 260 VAC, 50/60 Hz 900 W power consumption conformances CE, FCC Class A, CSA(C/US),	inputs / outputs	,	
X 4-pin Mini DIN (Y/C) 1x RCA (C) 2x 3.5 mm Stereo Mini Jack Audio (all ch.) 2x 8.232 9-pin DSUB (control) in/out 1x RJ-45 TCP/IP (LAN) 1x USB (firmware upgrade) 1x 15 pin HDDSUB (analog) monitor 1x 3.5 mm Stereo Mini Jack 3.5 mm Stereo Mini Jack 3.5 mm Stereo Mini Jack 3.6 mm Stereo Mini Jack 3.6 mm Stereo Mini Jack 3.7 mm Stereo Mini Jack 3.7 mm Stereo Mini Jack 3.8 mm Stereo Mini Jack 3.9 mm Stereo Mini Jack 3.0 mm Ster		computer inputs	1x DVI HDCP (secure digital RGB)
Communications		video inputs	x 4-pin Mini DIN (Y/C)
1x RJ-45 TCP/IP (LAN)		audio inputs	2x 3.5 mm Stereo Mini Jack Audio (all ch.)
1x 15 pin HDDSUB (analog) monitor		communications	
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weight (w/o lens) 12.7 kg / 27.8 lbs + lens power requirements 90 - 260 VAC, 50/60 Hz 900 W power consumption conformances CE, FCC Class A, CSA(C/US),		operating noise level (typ)	30 dB (A) at 20°C/ 68°F, sea level
power requirements 90 - 260 VAC, 50/60 Hz 900 W power consumption CE, FCC Class A, CSA(C/US),		dimensions (dwh)	376 x 510 x 223 mm / 14.8 x 20.0 x 8.8 in
900 W power consumption CE, FCC Class A, CSA(C/US),		weight (w/o lens)	12.7 kg / 27.8 lbs + lens
		power requirements	
colours metallic grey, silver		conformances	CE, FCC Class A, CSA(C/US),
		colours	metallic grey, silver

Designed and manufactured in Norway by: projectiondesign as Habornveien 53 N-1630 Gamle Fredrikstad Norway +47 69 30 45 50

sales@projectiondesign.com www.projectiondesign.com







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