



### **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**

- 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

| cineo3+       |  |
|---------------|--|
| projector     | HDTV DLP™ digital projector  |
| display       | <p>technology single chip LVDS DLP™ technology with DarkChip3™</p> <p>concept sealed, all-glass optical design</p> <p>resolution 1280 x 720 HDTV resolution</p> <p>brightness user configurable; up to 4200 ANSI lumens</p> <p>contrast user configurable; up to 7500 : 1</p> <p>aspect ratio 16 : 9 native, scope and widescreen</p> <p>colours 16.8 million displayable</p> <p>latency ~ 1 input frame with graphics</p> |
| compatibility | <p>computer compatibility RGBHV, RGBS, RGsB</p> <p>horizontal scan 15 - 150 kHz</p> <p>vertical scan 48 - 190 Hz</p> <p>video compatibility HDTV (1080i, 720p, 576i/p, 480i/p) NTSC, NTSC4.43, PAL, PAL-M, PAL-N, SECAM</p> <p>bandwidth 205 MHz analog RGB, 165 MHz digital RGB</p>   |
| lenses        | <p>lens operation motorized zoom/focus/shift for all lenses</p> <p>IRIS control motorized IRIS control for F/2.1 - 6.1 for all lenses</p>  |



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



HIGH PERFORMANCE PROJECTORS™ www.projectiondesign.com

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