

Cineo82

high performance projector for large preview suites and theaters



The cineo82 features high-class optical color processing technology. By combining fixed and motorised optical filters for each color channel (red, green, and blue) the projector can be optically calibrated with near infinite accuracy. It also means that by the flick of a switch, you can change the projected color gamut from REC709 (High Definition programming), to comply with DCI for instance. All this without any loss of bit depth, as the compensation is purely optical, and not electronic. Unlike competing projectors, where color calibration is based upon a simple yellow notch filter to change the green point of the picture, or simply by changing electronic values, ACOP gives vastly superior performance on all important levels. The REC 709 and DCI are color models optimized for video, where red, green, and blue light are added together in various ways to reproduce a broad array of colors.

Product specifications

CINE082

General specifications

Concept	Advanced Color Optical Processing with motorized filters and optical colour space conversion.
Resolution	1080p (1920 x 1080)
Brightness	Up to 6500 lumens (Infinite brightness adjustment variation with IRIS and lamp power settings to fit a specific requirement on a specific screen size.)
Contrast	Up to 15000 : 1
Technology	3-chip DLP technology
Aspect ratio	16:9 (1080p)
Display colors	30-bit RGB
Latency	~22 ms with graphics and digital inputs
Computer graphics formats	up to 1920 x 1200 pixels
Horizontal scan frequencies	15 -150 KHz (resolution dependant)
Vertical scan frequencies	48 -190 Hz (resolution dependant)
Video formats	HD1V (1080p, 1080i, 720p) NTSC, PAL, SECAM
Lens operation	Motorized zoom, Focus, Shift, Iris and Mechanical shutter
Lenses	Standard projection lens

- Lens number:
EN21 / 503-0136-02
- Focus range: 1.9 - 20.0 m
- Throw ratio
 - 1.70 - 2.55 : 1 (1080p)

Ultra Wide Angle

- Lens number:
EN22 / 503-0172-02
- Focus range: 0.7 - 5.7 m
- Throw ratio
 - 0.74 : 1 (1080p)

Wide Angle Zoom

- Lens number:
EN23 / 503-0173-03
- Focus range: 1.8 - 15.0 m
- Throw ratio
 - 1.20 - 1.70 : 1 (1080p)

Short Tele Zoom

- Lens number:
EN24 / 503-0174-02
- Focus range: 5.0 - 20.0 m
- Throw ratio
 - 2.50 - 4.00 : 1 (1080p)

Long Tele Zoom

- Lens number:
EN26 / 503-0176-02
- Focus range: 5.0 - 25.0 m
- Throw ratio
 - 3.90 - 6.24 : 1 (1080p)

Image width	2 -8 m
Light source	2 x 330W UHP
Lamp lifetime	Up to 2000 hours (Full power) Up to 2500 hours (Eco mode)
Computer inputs	1 x DVI-D 1 x HDMI 1.3a 1 x 5-BNC 1 x VGA
Video Input	1 x HDMI 1.3a 1 x S-video 1 x Composite 1 x HD-SDI (option)
Control possibilities	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) 1 x Wired Remote 3.5mm mini jack
Dimensions	501 x 250 x 604 mm (WxHxD)
Weight	24 kg
Power requirements	12.5A / 6.5A, ~100-120V / 200-240V, 50-60Hz
Conformances	CE, FCC Class A, UL, cUL and cCSAus
Operating temperature	0 -40 °C
Storage temperature	-20 -60 °C
Altitude	Up to 2000 m
Operating humidity	20 -80% RH
Storage humidity	10 -90% RH
Color	Soft touch rubber matte black
Warranty	3 years, 500 hours or 90 days on lamp (whichever comes first) up to 3 years warranty extension available conditions apply
MTBF	15,853 hours
BTU per hour	

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