



COLOUR GRADING PROJECTOR FOR THE PROFESSIONALS



The ColourBlazer™ DL projection system has been designed to meet the requirements of the professional Post Production market, offering a high quality product that meets the demands of broadcasters and motion picture producers.

Incorporating the latest generation of 3-chip DLP® technology Cinevation's ColourBlazer™ DL projection system provides images of exceptional brightness, resolution, colour depth and a native contrast ratio of 3000:1 for deep blacks and dynamic image, without Iris or lens shutters that "disturbs" the image

In fact, this 3-Chip DLP® is considered the pinnacle of digital projection and it is this technology which forms the basis of the ColourBlazer™ DL. Three 0.95" Dark-Chip3™ DMDs are utilized in this design to produce a resolution of 1920x1080 pixels (1080p) in order to achieve crystal-clear, uncompressed HD images.

With its state-of-the-art proprietary optical engine and for optimum performance, this professional projector uses customized optical components, lenses and prisms.

Latest 10-bit per color video processing reproduces images flawlessly Cinevation's Color Management Software offers complete control over colour temperature via user-defined adjustments corresponding to specific points on the CIE chart that defines colour hue and saturation. Plus, the Gamma Correction curves optimize image-based variations in the source material and individual preferences.

The new Colour Management Software provides a perfect colorimetry calibration order to set performances at the highest possible level. Individual White Points can be calibrated and stored for use in different grading applications.

Installation flexibility is ensured with a wide range of projection lenses. The high quality lenses with high-resolution optics are with both motorized zoom and focus adjustments and motorized horizontal (+/-30%) and vertical shift(+70%/-30%).

KEY FEATURES

- 3 x 0,95" 1080p DLP® DarkChip3™ by Texas Instruments. Individual light modulators for each of the three primary colours R, G and B.
- The DLP® is a true digital light modulator with extremely fast response time; i.e. no "dragging"/shadow of moving objects
- Resolution 1920x1080 pixels (as per standard Full HD sources)
- High light efficiency with custom optics and optimized lamp (300W)
- High brightness (5000 ANSI lm), high native contrast ratio (typ.3000:1), no dynamic iris or shutter
- Full Digital and Professional Inputs: HD-SDI (SMPTE -292M), Supported Resolutions/frame rates:
 - 1080i23, 1080i24, 1080i25, 1080i29/1080i30
 - 1080p23, 1080p24, 1080p25, 1080p30, 1080p50, 1080p60/1080p59
- DVI or HDMI™ input for alternative image sources
- Ethernet connection
- Accurate colorimetry calibration software dedicated to Post Production Professionals
- High Bit rate video processing (10 bit per colour) ensures no banding in the image
- Horizontal/Vertical shift with memo position for flexible installation
- Choice of 6 lenses: from Wideangle to Tele
- Dust Filters for protection of optical system and DLP's
- CinemaScope, Academy and wide formats (customizable)
- Greater freedom through: P7 Wide color gamut compatible with REC709. The projector can be fully calibrated easy and efficient
- All internal image processing and scaling can be switched off
- Compliance with Broadcast Reference Monitor Standards
- Remote control and monitoring via network interface

TECHNICAL SPECIFICATIONS

LIGHT ENGINE

Technology: 3 chip DMD 0,95" 1080p DarkChip3™

Resolution: 1920 x 1080 pixels

Brightness: 5000 ANSI lumen

Contrast ratio: 3000:1 "full on/full off"

Lens: High quality, high resolution optics with both motorized zoom and focus adjustments and motorized horizontal/vertical shift

Lamp power & life time*: 300W (dimmable to 250W), >2000 hours* eco mode. Dual lamps for redundancy and 24/7 operation. (Lamp life: The hours mentioned have been measured in a lab under strict test conditions)

LENS OPTIONS

Lens Type L0 (Optional): Throw ratio 0,67:1 (Fixed wide angle)

Lens Type L1 (Optional): Throw ratio 1.12:1 (Fixed wide angle)

Lens type L2 (Optional): Throw ratio 1.39 - 1.87:1

Lens type L3 (Optional): Throw ratio 1.87 - 2.56:1

>>> Lens type L4 STANDARD: Throw ratio 2.56 - 4.16:1

Lens type L5 (Optional): Throw ratio 4.16 - 6.96:1

INSTALLATION

Lens shift: Vertical +70%/-30%; Horizontal +/-30%

Digital keystone adjustment: V +/-22°

Picture size (inches diagonal): 50-300

Aspect ratio: 4:3, 16:9 Anamorphic, LetterBox, panoramic, pixel to pixel +

3 custom-user adjustments

ELECTRONICS

Horizontal & vertical scan freq.: 15-110kHz/48-100Hz

SDTV: PAL (B,G,H,I,M,N,60); SECAM; NTSC automatically selected.

Video modes:

- Interlaced: 576i & 1080i @25Hz, 480i & 1080i @30Hz

- Progressive: 720p & 1080p @24/25 Hz; 576p, 720p & 1080p @

50 Hz; 480p 720p & 1080p @60 Hz.

PC/Mac: from VGA to UXGA @ 65Hz

Video processor: built in

Special video adjustments: Dynamic Noise Reduction, Spatial

Noise Reduction, Fleshtone Regulation

Other special adjustments:

Memories/Overscan, Live Colors Management (LCM) and

Gamma Functions

INPUTS/OUTPUTS

1 x Composite Video (RCA)

1 x S-Video (mini Din 4 pin)

1 x RGBS/YCrCb (4x RCA)

1 x RGBHV/YCrCb (5x BNC)

6 x HDMI – HDCP compliant (6x HDMI)

1 x OUT Digital Audio (Toslink)

1 x DVI (1x DVI-D)

1 x HD-SDI (1x BNC)

2 x VGA (DB15)

1 x RS232 (DB9)

1 x USB connector (USB)

1 x LAN (RJ45)

2 x OUT 12V 100mA (via Jack)

GENERAL SPECIFICATIONS

Software control: upgradable via RS232 serial interface USB & LAN

Mains voltage range: 100-240Vac ±10% (48/62Hz)

Power consumption: approx. 400W

Weight: approx. 45 Kg (99.2 lbs)

Dimensions (WxHxD): 570x260x730mm (22.4"x10.24"x28.7")

CERTIFICATIONS

Safety: in compliance with EN 60950/UL60950

Emission: in compliance with EN 55022

Immunity: in compliance with EN 55024

SUPPLIED ACCESSORIES

Installation and User Manual; AC power cords (EU, UK and USA) 2m (6.6 ft); Remote control and batteries

Colour Management Software

OPTIONAL ACCESSORIES

Ceiling mount bracket

