CGP35™
CREATED BY CINEVATION

Digital Colour Grading Projector

A digital projector that delivers an unsurpassed image quality with colours that match 35 mm film. The CGP35™ is ideal for the editing suite or screening room, - and linked to the CMS35™ and the Cinevator™, you can be sure that what you see on your screen is what you get on film!



Key Features

- The CGP35™ is Cinevation's flagship DLP™ technology-based Colour Grading Projector. Based on High Definition 3-chip DLP™ technology, the CGP35™ delivers a superb picture with remarkable colour fidelity and sharp details.
- Also, it features the revolutionary CinePlex™ Image Processor, the remote processor box that is equipped with a wide choice of inputs (including 2k and HD) and linked to the projector through a thin fibre optic cable.
- With this innovative feature, Cinevation has made installation and signal management an easy task. Film and video sources are typically located far away from the projector and it is very difficult to run 2k-compatible cables for long distances. With the CGP35™ this issue no longer exists.
- The CinePlex™ Image Processor features all necessary digital and analogue inputs and can be fully upgraded. This means that you will no longer have to worry about changing the whole system if new signal standards appear, but will only upgrade the external input/image processor.
- Based on a Complementary Metal Oxide Semiconductor (CMOS) chip-set the optical link allows a fully digital source-to-display link, which is capable of transmitting data over a distance exceeding of 500 m (1600 ft), with 3 high-speed lasers between the CinePlex™ Image Processor and the projector for a loss-free and interference-free signal.
- The CGP35™ is available in a choice of 6 different projection lenses (throw ratio ranging from 0,64:1 (fixed) and from 1,2 – 1,4:1 to 3,6 – 5,6:1).

How It Works

The CGP35™ receives film-data through an SDI or DVI link on the CinePlex™ Image Processor. Video input sources are received through standard video inputs on the CinePlex™. The CGP35™ contains a 3-chip DMD™ Optical Engine. In a 3-chip system, the white light generated by the lamp passes through a prism that divides it into red, green and blue. Each DMD chip is dedicated to one of the primary colours; the coloured light that each micro-mirror reflects is then combined and passed through the projection lens to form a single pixel in the image.
The desk-top or rack-mountable CinePlex™ Image Processor features a wide choice of inputs and is connected to the projector through a single fibre optic cable. The thin fibre optic cable can be run through the wall and easily be hidden easily for a seamless installation.

Benefits

The CGP35™ delivers exceptional image quality! Blacks, whites, grey-scale and colours are what you expect them to be. Brilliant display- and optical resolution as well as a superb contrast ratio, - shows you details in the film material that you did not believe were there.
When the CGP35™ is used with the CMS35™ and the Cinevator™, it offers a unique integrated concept for getting your digital intermediate onto 35 mm film. The colours and image characteristics you will see on your print film will match the ones you see on your projection screen. From now on there will be no need for unnecessary and time consuming re-colour-grading or re-printing; - you will get your print as you wanted it to be the first time.

- An investment in the CGP35™ will simply help you save money and keep your deadline!

Nedre Torggt. 15
3015 Drammen-Norway
tel +47-90 53 34 32
fax +47-32 82 82 47
www.35digital.com
cinevation@35digital.com

Specifications

Optical Engine	
Display technology	DLP™ with 3 x Dark Metal DMD's (RGB primaries), native resolution: 1280 x 720 pixels, native aspect ratio: 1,78:1 (16:9)
Projection lens	High quality, high resolution optics for higher contrast and better black level with both motorised zoom and focus. Throw ratio 1,4 – 1,8:1, Motorised optical shift: -50% to +120% vertical, -/+ 20% horizontal. Keystone adjustment: 22 deg max.
Light source	250W UHP lamp with expected lifetime 1500 hours (*)
Brightness/contrast ratio	Typically 2000 ANSI lumens/Typically 3000:1 (Full on/Full off)
Image width	150 cm – 600 cm (60'' – 240'')
Image Processing	
Inputs	DVI, SD-SDI, HD-SDI (4:2:2 or 4:4:4) and all relevant video inputs and standards. Film material (2k and HD) is downsized by proprietary algorithms. Video de-interlacing and processing is done by on-board DCDi™ by Faroudja. 3:2 & 2:2 pull-down sequencing automatically detected.
Colour temperature	3 preset colour temperatures and user defined settings on each colour (R, G, B).
Special video adjustments	Noise reduction, Luma-chroma Delay, high and low brightness, flesh tone regulation, Y/C delay, gamma correction, image panning and zooming.
Film inputs	1 x DVI via DVI-D connector (for up to 2k film-data) 1 x SDI (SD and HD) via BNC connectors
Video inputs	2 x composite video via RCA connectors 2 x S-VHS via mini Din-4 pin 2 x RGB via DB15 HD connector 3 x RGBH/V YCrCbH/V via RCA connectors 1 x RGBH/V YCrCbH/V via 5 BNC connectors 1 x HDMI™-HDCP
Other connections	1 x optical S/PDIF audio output from HDMI™ 2 x fibre optics links via RJ-45 type LC connectors 1 x RS232 on Dsub 9 pin connector (for serial line) 2 x jack 12V/100mA relay outputs (projector on and 16:9 mode active)
Other	
Operating environment	Operating temperature,15 – 28 deg. C (60 – 80 deg F). Humidity, 20 – 75 % RH, non-condensing.
Power connection/consumption	90 – 240 VAC, 50/60 Hz, Single Phase/350W
Dimensions	w: 537 mm (21.1''), h: 235 mm (9.2''), d: 631mm (24.8'')
Weight	Approx. 28 kg (61.7 lbs)
Warranty	12 months

(*) Lamp life: the hours have been calculated under strict test conditions. Misuse or improper use may alter it

System Description

The CGP35™ consists of the following components:

- The Colour Grading Projector
- The CinePlex™ Image Processor (Remote Input Box)
- The fibre optic connection between the two (20 m)

Optional Accessories

Backlit remote control.
HDMI™ cable.
DVI-HDMI cable.
Ceiling mount kit.

Delivery Options

The CGP35™ can be delivered with 6 alternative projection lens options, all with motorized zoom and focus:

zero: throw ratio 0,64:1, no zoom, no lens shift (for rear projection applications)
one: throw ratio 1,2 – 1,4:1, 1,20x zoom
two: throw ratio 1,4 – 1,8:1, 1,25x zoom (standard lens)
three: throw ratio 1,8 – 2,4:1, 1,33x zoom
four: throw ratio 2,4 – 3,6:1, 1,50x zoom
five: throw ratio 3,6 – 5,6:1, 1,55x zoom

Note! Due to constant product development, - specifications and design might be subject to change without notice.

© 9/2004 design by beast www.beast.at

Nedre Torggt. 15
3015 Drammen-Norway
tel +47-90 53 34 32
fax +47-32 82 82 47
www.35digital.com
cinevation@35digital.com