



LE-2n



Multirate legaliser with composite, RGB and YUV colour space correction in a desktop package

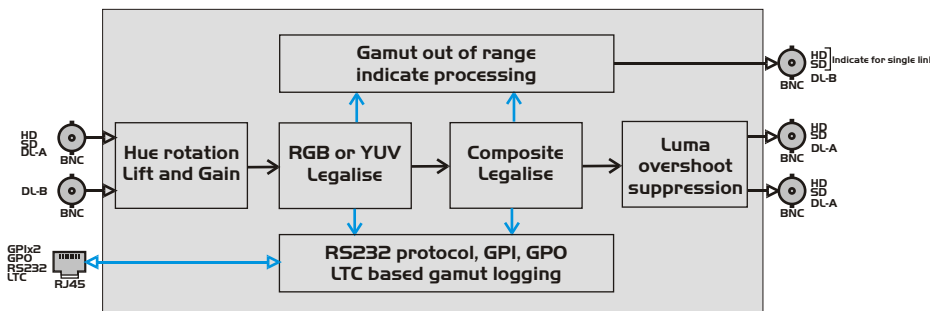
eyeheight

09/10

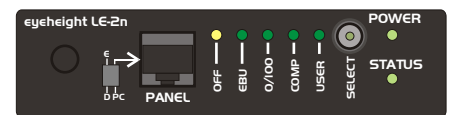
Overview

The LE-2n is a multirate video legaliser capable of SD, HD and Dual link 4:4:4 operation. The incoming signal is constrained by parameters within the colour space that the user selects, RGB, YUV, composite (PAL or NTSC) or RGB and composite combined. The unit also provides eyeheight's unique luma overshoot and undershoot suppression. Gain, lift and hue controls are also included. All common worldwide legalisation standards can be corrected. The LE-2 will auto detect whether the incoming video is SDI or HD-SDI or Dual link 4:4:4 and switch into the appropriate format. The LE-2 also has an out of gamut indicate output with visual severity indication which will show the user where, on the picture, any correction of the signal is being carried out. This unit is supplied as a fully integrated package in a desktop chassis. Full control is provided by a Java soft panel application. The front panel also has simple controls for common world legalisation standards.

Block diagram detail



Front Panel



Complete Kit



Key features

Description

- Provides legalisation of the SDI or HD-SDI or Dual Link 4:4:4 input signal with full 10 bit processing throughout.
- Fully integrated package only requiring a user supplied PC or Mac to run the full control software.
- **NOTE: Indicate output is NOT available in dual link mode.**

Features

- Composite, YUV and RGB colour spaces and combined RGB+composite with two independent outputs for "Legalise" and user controllable "Legal/Indicate".
- Adjustable clipping levels and soft clipping knee levels.
- Integral luma and chroma gain, black level adjustment & hue rotation.
- EBU-R 2003 standard legalisation settings and 7.5 IRE or 0 IRE Pedestal with 6 user memories and common presets.
- Unique severity display mode on monitoring output.
- Firmware and software fully updatable by file upload
- Mechanical relay bypass option available.
- Full control by Java soft panel. Presets also available on front panel for simple operation.

Formats

- 1080i/50/59.94, 720p/50/59.84, 625/50, 525/59.94



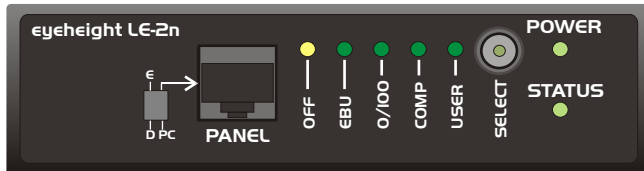
LE-2n



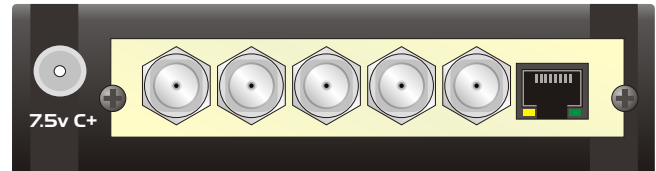
Multirate/Dual Link legaliser with composite, RGB and YUV colour space correction. (Desktop version)

eyeheight

Connections



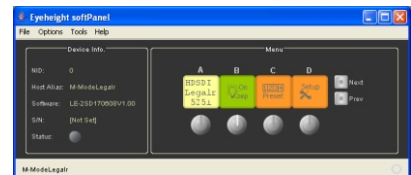
Locking Power Connector
FP-9 Option



SD-HD- IN OUT OUT IND X USB lead
Dual Link- INA OUTA OUTA OUTB INB GPIO TC

The kit

The system comes complete as a stand alone unit requiring only a PC or a Mac for total control. Preset standards are also available from the LE-2n front panel.



Ordering information

Order code format: LE-2nX-F

X should be S for SD, M for multirate and U for dual link version.

F Shipped for Flexipanel (FP-9) operation. Will not work with soft panel in this mode. (Omit for standard USB PC/Mac operation)

For example:

LE-2nM is a LE-2 module for multirate operation shipped for standard PC/Mac control.