

LED DEBLOCKER & COLOUR CORRECTION Technology Overview

Vergent Technologies has created a unique image processing platform, with added enhancements specific to improve LED walls.

We have tested many LED wall configurations from different manufacturers, uncovering the typical problems associated with poor performance.

This is just a basic overview of the product platform. Its uniqueness, compared to generic video scalers, commonly available, is best appreciated by watching a demonstration.

Deblocker

IMAGE PROCESSING PLATFORM

Image processing capabilities

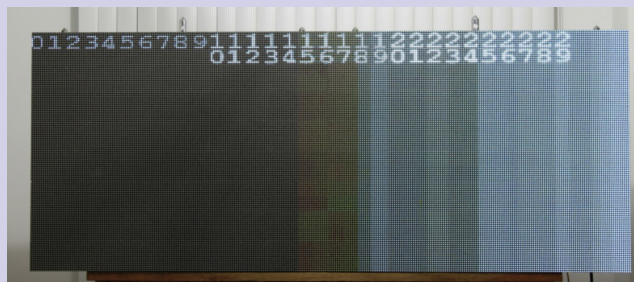
- Colour correction.
- Overall Block removal.
- Reveals and corrects shades in dark video scenes.
- Block removal, where it's more apparent, in low brightness scenes.
- Advanced gamma processing, creating a greater range of dark shades.

Features

- PC based user interface with specialized controls for LED walls.
- Network support compatible with most routers, switches and includes support for Wi-Fi.
- Stand alone operation.
- Synchronized linkable scalers for larger walls, and to improve image quality where required.
- Remote firmware update.
- Modular DVI-I (Digital/RGB/Component, with pass-thru), 1.5Gb HD SDI, NTSC/PAL/S-Video Inputs
- DVI-D and VGA outputs.
- Custom Zoom, Aspect ratio controls with PIP input.

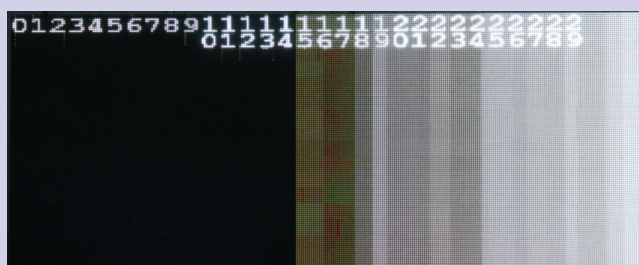
LED DEBLOCKER & COLOUR CORRECTION

Examples



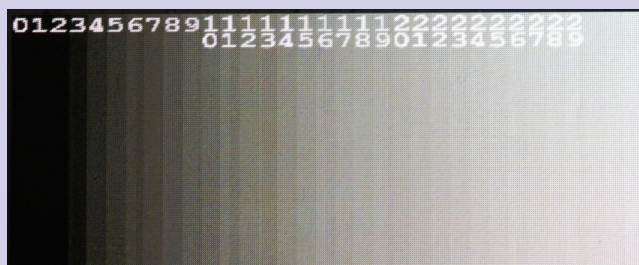
LED Wall Hardware: An indoor 6 mm pitch LED wall with a resolution of 320×180 pixels, driven by Linsn's transmitter and receivers.

Image on display: The values of 0 to 29 represent what are supposed to be bars of vertically consistent grey tones from 100% black to 9% black (close to white).



Before: Direct video

All corrective enhancement options are off.



After: Direct video

Dark Shade Deblocker and *LED Wall Chromatic Fix* enhancements enabled.

Before/After simulation of an image with the above mentioned enhancement options enabled:

