

World First 4K-3D LCD Monitor Ever

Introduction

This 2-LCD, half mirror method 3D monitor is enabled to deliver full 4k resolution without losing resolution or contrast while other method such as Interleaved 3D or Parallax barrier system loses half of its original resolution when in 3D. This monitor incorporates 2 (two) 27.8" LCD panels, 4k signal converter and image conversion circuit.

Feature

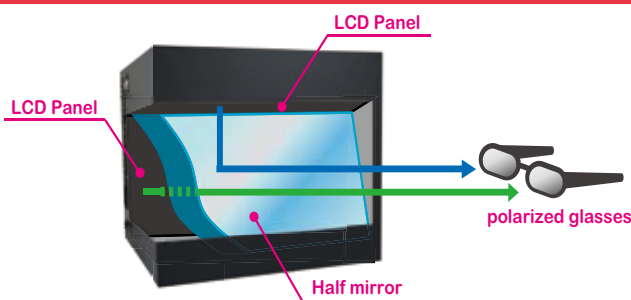
- ▶ Full 4k resolution.
- ▶ Allowing longer time 3D viewing with Flicker Free system.
- ▶ Increased 3D Presence by the Polarizing system.
- ▶ Require limited space for 3D monitoring.



Application

- ▶ 4k-3D Editing and Verification.
- ▶ Medical and Scientific Imaging.
- ▶ 4k-3D Shooting.
- ▶ Monitoring in Museum and Science pavilion.

Theory

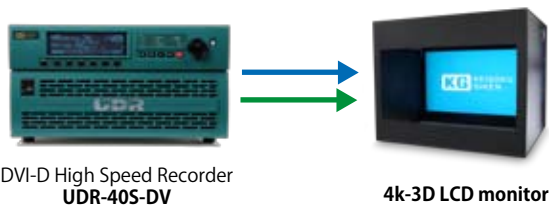


The system consists of 2 LCD panels and a Half Mirror (Beam splitter). The image from one panel passed through the half mirror while other image is reflected at the half mirror and given rotation of 90 degree to its polarizing axis. Those 2 images are seen through 3D glasses and combined into 1 image in the brain.

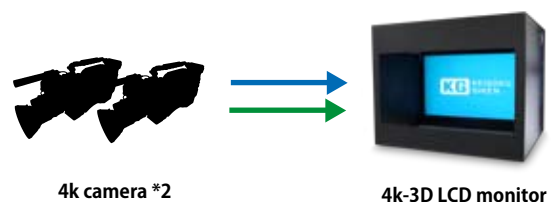
Connection

Image stored in a PC can be shown on the 4k-3D monitor with using 3D software and 2ch graphic board.

4k-3D image (4 times of HD)



4k-3D live image



8ch Dual-Link DVI-D High Speed Recorder UDR-40S-DV

HIGHEST BANDWIDTH!

Introduction

Based on our unbeatable recording technology, we developed UDR-40S-DV for R&D market. UDR-40S-DV incorporates world highest bandwidth with 120Hz QFHD (3840 x 2160) or FHD (1920 x 1080) 480Hz in and out.

The 4k-3D LCD monitor can be connected and driven by UDR-40S-DV through Dual-link DVI-D. UDR-40S-DDV-8 can output 2 ch, 4k@60Hz 12bit RGB for 4k-3D image.

Feature

- ▶ High rate I/O at Dual-link DVI-D 8ch
- ▶ Compatible to uncompressed 12bit RGB data
- ▶ High capacity SDD storage.
- ▶ Standard input signal analyzing for R&D.

Application

- ▶ High Definition Image Input and Output for 4k-3D or UHDTV.
- ▶ Multi View Imaging Input and Output using 8ch.
- ▶ High Rate Flat Panel Development
- ▶ Verification for High Definition Image Processing Algorithm
- ▶ High Definition Playing for Exhibition/Exposition



Exhibit

The newly developed 4k-3D monitor and UDR-40S-DV recorder.
The 4k-3D monitor is driven by UDR-20S-8 and shown the following contents.

- The 4k-3D verification image by NICT (National Institutes of Information and Communications Technology.)
- The Party in woods by College of Contemporary, Rikkyo University.
- 4k contents by Artbeats

Exhibit System

The right and left images are stored in the UDR-20S-8 at 4k@30Hz 10bit 4:2:2 rate separately.

The 2 lines of "HD-SDI x 4" are connected to the 4k-3D monitor.

At the monitor, HD-SDI input & output signal is converted from 4:2:2 to 4:4:4.

One UDR-20S-8 controls them all.



Recommended System

UDR-40S-DV-8 for 4k@60Hz 10bit 4:4:4 Stereoscopic display.



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