Philips Signage Solutions
Glasses-free 3D Display

- 50"
- Edge LED Backlight
- Ultra HD
- Autostereoscopic 3D

SignageSolutions

BDL5071VS

The future of 3D in Ultra HD

Without the need for special glasses

The autostereoscopic 50" E-LED display offers Ultra HD resolution in both 2D and glasses-free 3D, the best depth performance, widest viewing angle, lowest cross talk and deepest black levels.

Optimised for public viewing
- 4K UHD E-LED display, 3840 x 2160p
- Autostereoscopic 3D
- No need for special 3D glasses
- 28 lenticular views for amazing, smooth 3D pictures

Operational flexibility
- Designed for 24/7 operation
- Optical bonding process for high contrast and bright colours
- Adjustable pop-out effects to optimise 3D effect

Stunning 3D experience
- 3D content visualisation
- 3D and 2D dual mode display
- 3D system solution

PHILIPS

Glasses-free 3D Display
50" Edge LED Backlight, Ultra HD, Autostereoscopic 3D

BDL5071VS/00

Specifications

Picture/Display
- Diagonal screen size (inch): 50 inch
- Optimum resolution: 3840 x 2160 @ 30Hz
- 3D Technology: Fixed Lenticular 3D Technology, Autostereoscopic 3D display
- Brightness: 400 cd/m²
- Contrast ratio (typical): 5000:1
- Aspect ratio: 16:9
- Response time (typical): 6.5 ms
- Pixel pitch: 0.2865 x 0.2865 mm
- Display colours: 1.07 billion
- Viewing Angle (H / V): 150 / 150 degree
- Input format: 2D-plus-Depth in 3D mode
- Optimal viewing distance: Adjustable

Connectivity
- AV input: DVI-D x 1

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
3840 x 2160	30Hz

Dimensions
- Set dimensions (W x H x D): 1160 x 680 x 100 mm
- Product weight: 45 kg
- VESA Mount: 400 x 400 mm

Convenience
- Placement: Landscape
- Packaging: Reusable box

Power
- Consumption (Typical): 130 W
- Standby power consumption: <0.5 W
- Mains power: 90 ~ 253 VAC, 50 ~ 60 Hz

Operating conditions
- Temperature range (operation): 0 ~ 50 °C
- Temperature range (storage): -20 ~ 60 °C
- Relative humidity: 20 ~ 90 %
- MTBF: 50,000 hour(s)

Accessories
- Included accessories: 3D software, 3D display control tool, 3D video player (2D-plus-Depth), Quick start guide, AC Power Cord, DVI-D cable
- Optional accessories: 3D content enabling software, Tabletop stand

Miscellaneous
- Warranty: 1-year warranty

Highlights

4K UHD E-LED display
Crystal-clear ultra-high definition picture quality to give your audience unprecedented levels of realism and viewer enjoyment. Your viewers will be treated to unsurpassed video, with amazing colour fidelity and the sharpest pictures around.

Autostereoscopic 3D
Enjoy a stunning 3D experience with no need for special glasses thanks to the autostereoscopic 3D effect. Using lenticular technology, it gives excellent clarity and depth, making your 3D experience even more lifelike and enjoyable.

28 lenticular views
With 28 lenticular views, you can "peek" around virtual objects on the 3D display, giving you the most stunning 3D visual effects around.

3D and 2D dual mode display
The display can be used for a broad range of applications since it can be operated in both 2D and 3D mode. The 4K UHD resolution panel enables great picture quality and true colour representation in 2D and 3D mode. The integrated rendering core offers content creators and end users full control over the quality and depth-effect characteristics of the picture.

Adjustable pop-out effects
Immersive out-of-screen pop-out effects can be adjusted to optimise the 3D effect for any application.

Designed for 24/7 operation
Because business never sleeps, our signage displays are designed for 24/7 use. Taking advantage of superior components to ensure a higher level of quality, you can count on this range of models for complete around-the-clock reliability.

Optical bonding
Optical bonding refers to a protective glass that is glued in front of a display. A bonded display increases the contrast ratio by reducing the amount of reflected ambient light. Optical bonding improves the durability and increases the ruggedness of the display.

3D system solution
The system solution is designed for maximum reuse of content/concepts from the 2D signage industry. The key enabler for this is the flexible 2D-plus-Depth format, which allows decoupling of content creation and content visualisation. The rendering core integrated in the autostereoscopic 3D displays supports the unique Declipse image format, which enables a true look-around 3D effect.

3D content visualisation
Software tools are provided with the display to play out 3D content and control the 3D and 2D visualisation parameters. The actual 3D content can be created via plug-ins available for popular 3D animation software packages. Existing 2D or stereo content can be converted into 2D-plus-Depth format. The 2D-plus-Depth format is compatible with existing compression tools, as the additional bandwidth of the depth is small.

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