A full 3D experience

without the need for special glasses

Deliver your messages in stunning 3D, with excellent picture quality and no need for special glasses. With 28 views you can deliver jaw dropping images that will amaze your audience.

Operational flexibility
- Autostereoscopic 3D
- Smart insert in the backcover to place a small pc
- Designed for 24/7 operation

Stunning 3D experience
- 3D Content Visualisation
- 3D Dual Mode Display
- 3D System Solution

Optimized for public viewing
- Slim bezel design for a stylish look
- Full HD LCD display, 1920x1080p

Lower total cost of ownership
- SmartPower for energy saving

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sense and simplicity

Highlights

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.

3D Content Visualisation

The 2D-plus-Depth format is compatible with existing compression tools, as the additional bandwidth of the depth is small. Software tools are provided with the 3D display to play-out 3D content and control the 3D and 2D visualization 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. Tools are available to support real-time extraction and usage of the depth information from Direct3D or OpenGL applications, and thus real-time visualisation on the 3D display.

3D System Solution

The display can be applied in a broad range of applications, since it can be operated in both 2D and 3D mode. The system solution is designed for maximum reuse of content/ concepts from the 2D world. The key enabler for this is the flexible 2D-plus-Depth format that allows decoupling of content creation and content visualization. This allows applications

where different 3D display screen sizes and designs can be applied in the same system. The rendering core integrated in the autostereoscopic 3D displays supports the unique Declipse image format which enables a true look-around 3D effect.

3D Dual Mode Display

Our displays offer autostereoscopic 3D for professional applications, that brings you today's best 3D viewing experiences by using unique technology. Slanted multi-view lenticular lens technology affords full brightness and contrast, and allows multiple users to view 3D content at the same time. The display is based on a high resolution panel and thus enables great picture quality and true color 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.

Smart insert

Professional PC's are part of most public signage installations. Quite often they add additional depth to the public display and a lot of cable clutter. This public display contains a Smart insert in the backcover that will fit many professional small form factor PC's. In addition it offers provisions for efficient cable management.

Slim bezel

A slim bezel design adds a stylish look to a public display to nicely blend in most environments. Furthermore this design is ideal for tiled matrix video walls.

SmartPower

The backlight intensity can be controlled and pre-set by the system to reduce the power consumption by up to 50%, which saves substantially on energy costs.

Full HD LCD display 1920x1080p

This display has a resolution that is referred to as Full HD. The state-of-the-art LCD screen technology has the full high-definition widescreen resolution of 1080 progressive lines, each with 1920 pixels. This allows the best possible picture quality for HD input signals with up to 1080 lines. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

Designed for 24/7 operation

Public signage displays are used in the most demanding applications. The displays are therefore specifically designed and tested for heavy duty operation, even when 24/7 is required.

Specifications

Picture/Display
- Diagonal screen size: 42 inch / 107 cm
- Panel resolution: 1920x1080p
- Optimum resolution: 1920 x 1080 @ 60Hz
- Brightness: 700 cd/m²
- Contrast ratio (typical): 1100:1
- Response time (typical): 9 ms
- Aspect ratio: 16:9
- Viewing angle (H / V): 150 / 150 degree
- Pixel pitch: 0.485 x 0.485
- Display colors: 1.06 Billion colors
- 3D Technology: Autostereoscopic 3D display, Fixed Lenticular 3D Technology, Input Format: 2D plus depth
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
1024 x 768	60Hz
1280 x 768	60Hz
1280 x 800	60Hz
1360 x 768	60Hz
1366 x 768	60Hz
1440 x 900	60Hz
1600 x 1200	60Hz
1920 x 1080	60Hz
1920 x 1200	60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576p	50Hz
576i	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	50, 60Hz

Connectivity
- PC: VGA-in D-Sub 15HD, VGA-out D-Sub 15HD, DVI-D x1, RS232 D-Sub9, RS232 D-sub9 output, 3.5 mm PC audio input x1
- AV input: HDMI x1, Composite (RCA) x1, Composite (BNC) x1, S-video x1, Audio (L/R) x2, Component (YPbPr) x1

- AV output: Composite (BNC) x1, Audio (L/R) x1
- Other connections: AC-out, External loudspeaker connector

Convenience
- Placement: Landscape
- Picture in picture:: PBP, PIP, POP
- Screen saving functions: Pixel shift, Low bright
- Signal Loop Through:: RS232, VGA
- Keyboard control:: Hidden, Lockable
- Remote control signal:: Lockable
- Ease of installation: AC Out, Carrying Handles, Smart Insert
- Energy saving functions:: Ambient light sensor, Smart Power
- Safety control functions:: Heat Control, Temperature Sensor
- Picture performance: Advanced color control
- Packaging:: Reusable box
- Network controllable: RS232

Dimensions
- Bezel thickness: 1.6 cm / 0.63 inch
- Smart insert (WxHxD): 160 x 300 x 55 mm
- Smart insert in inch (WxHxD): 6.30 x 11.81 x 2.17 inch
- Set dimensions (W x H x D): 968 x 559 x 132 mm
- Set dimensions in inch (W x H x D): 38.1 x 22 x 5.1 inch
- Set dimensions with stand (H x D): 606 x 405 mm
- Set dimensions with stand in inch (H x D): 23.9 x 15.9 inch
- Product weight: 37 kg
- Product weight (lb): 81.6
- VESA Mount: 200x200mm, 400x200mm (Set), 100x100mm (Smart insert)

Operating conditions
- Temperature range (operation): 0 - 40 °C
- Relative humidity: 5 - 90 %
- MTBF: 50.000 hour(s)

Power
- Mains power: 90-264 VAC, 50/60 Hz
- Consumption (On mode): Typ. 133W
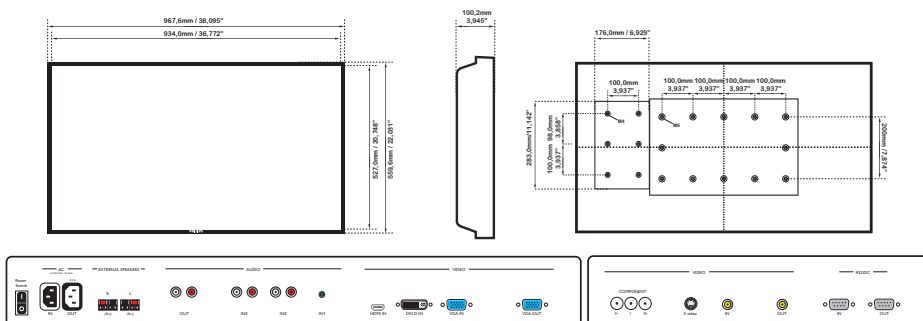- Standby power consumption: < 1W

Sound
- Built-in speakers: 2 x 5 W (8 ohm)

Accessories
- Included accessories: Remote Control, Batteries for remote control, AC Power Cord, VGA cable, User manual on CD-ROM, Quick start guide
- Optional accessories: Fixed wall mount, Flexible wall mount, Ceiling mount
- Stand: BM05211

Miscellaneous
- Bezel: metallic anthracite
- Warranty: Europe/North America: 1 year
- On-Screen Display Languages: English, French, German, Italian, Polish, Turkish, Russian, Simplified Chinese
- Regulatory approvals: CE, RoHS

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