

) EYE-LCD-5500-M-USN-LD-3D



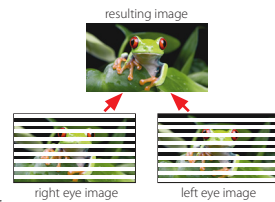
) PRODUCT DESCRIPTION

With this new display type, eyevis presents for the first time LCD-based display products for the representation of three-dimensional image contents. Thanks to the passive stereoscopic approach in combination with appropriate polarised passive glasses, the breathtaking realistic and pin-sharp visualisation of 3D images, video or 3D software applications can be achieved. The almost seamless design of the devices and their internal matrix functionality enable the setup of videowalls with a minimal gap between the active screen areas of two displays of only 5.6 mm.

The displays feature the robust design with a metal housing that eyevis is well known for. This allows the use of the displays for temporary installations at shows or events, as well as for fixed installations.

Passive Stereoscopic 3D Visualisation

The passive stereoscopic approach provides separate 3D images for both eyes. A horizontal row of pixels is polarised individually for the right and the left eye image according to the polarisation of the passive glasses. Hence, the right and left eye see only every other pixel row. The human brain puts together both images which results in a combined three-dimensional visual impression with a very high resolution.



Polarised passive 3D glasses

Compared with systems using active shutter glasses, passive polarised glasses are the less expensive, lighter and power independent alternative. Passive glasses further provide three-dimensional images of the highest quality and are perceived less fatiguing when viewing 3D images.



) THE KEY-FEATURES AT A GLANCE

-) Passive stereo 3D visualisation for the display of threedimensional content in combination with polarised passive glasses
-) 55-inch LCD monitor (139 cm) for videowall applications
-) Display of 2D and 3D content
-) Full HD resolution (1920 x 1080 pixel)
-) Internal matrix function, 3D display even for videowall configurations
-) Bezel width active-to-active 5.6mm
-) Full Direct-LED Backlight for uniform illumination and perfect colours

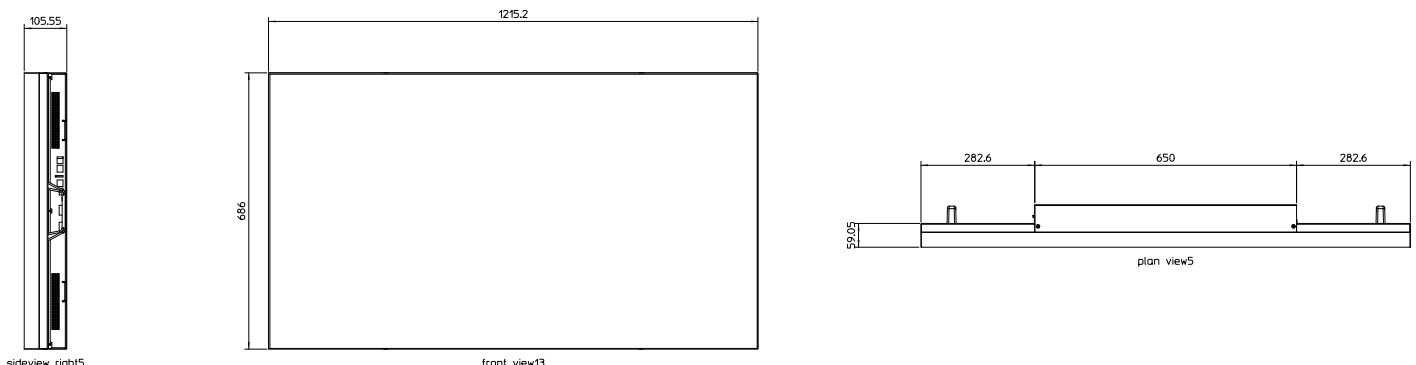


) DIRECT-LED BACKLIGHT ILLUMINATION

In order to achieve a uniform illumination of the entire screen, eyevis provides its new display with direct-LED backlight. Thanks to the new backlight illumination technology, the display provides very homogeneous images. A decrease in brightness towards the edges of the display area (hotspot effects) is not possible.

) DIMENSIONS

Unit: mm



Preliminary Documentation. Subject to change.

) EYE-LCD-5500-M-USN-LD-3D



) TECHNICAL SPECIFICATION

) LCD Display

Model:	EYE-LCD-5500-M-USN-LD-3D
Panel Type:	a-Si TFT-LCD (transmissive mode, normally black)
Installation:	Landscape / Portrait
Active Screen:	1209.6 x 680.4 mm (Diagonal: 1387.80mm / 54.64")
Display Resolution:	1920 x 1080 Pixel (full HD)
Pixel Pitch:	0.630 x 0.630 mm (BxH)
Colours:	10Bit, (1.06 billion colours)
Brightness:	2D: 450 cd/m ² (typ.) 3D: 170 cd/m ² (typ.)
Contrast:	1400:1 (typ.)
Response Time:	10 ms (typ.)
Colour Temperature:	10000K
Colour Gamut:	72%
3D Method:	Passive stereoscopic with polarised glasses
3D Crosstalk:	1% (typ.)
Viewing Angle:	2D: 178° (H/V) (min.) 3D: 30° (V) (typ.)
Backlight:	Direct LED
Backlight Lifetime:	>60,000h (typ., <50% of original max. brightness)

) Connectors

Inputs:	TBD
Outputs:	TBD

) Mechanical

Dimensions:	1215.2(W) x 686.0(H) x 105.5mm(D)
Bezel Width:	Active-to-Active: 5.6 mm
Weight:	TBD
VESA Mounts:	400 x 400 mm / 600 x 400 mm

) Environmental

Power Consumption:	ca. 250W (typ.)
Input Voltage:	100V – 240V AC, 50/60 Hz
Operating Conditions:	0 - +50°C / 10 - 90%RH
Storage:	-20 - +60°C / 10 - 90%RH

) Options

Front-Service Option:	Special mechanism enabling front access to the displays. Individual modules can be dismantled even in the centre of modular videowalls.
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) APPLICATION POSSIBILITIES

-) Product presentations
-) Medical imaging
-) Simulation and virtual realities
-) Presentation rooms
-) POS/POI
-) Shows/events
-) Trading rooms

) OPTIONAL ACCESSORIES

-) Passive glasses
-) Wall mounts (e.g. front service mounts, see below)
-) Videowall stands, fixed and/or mobile
-) Special videowall stands/mounts for rental applications
-) Movable videowall carts
-) Player PCs

) FRONT SERVICE OPTION



EYE-WHLCD-FS

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