# )eyeLCD
EYEVIS LCD LINE

# EYE-LCD-5500-ESN-FX

DIRECT-LED 55" VIDEOWALL LCD
WITH <2 mm BEZEL AND 700 cd/m² BRIGHTNESS

## ) PRODUCT DESCRIPTION

eyevis' new EYE-LCD-5500-ESN-FX represents the latest generation of seamless LCD displays for video wall installations from the eyeLCD series. With a smallest bezel width of less than two millimetres between the images of two neighbouring screens in a video wall, we were again able two reduce the gap to a market leading minimum. The displays provide Full-HD resolution with 1920×1080 pixels, Direct-LED backlight technology and a brightness of 700 cd/m². The displays further feature a non-stick mode to prevent image retention effects through the prolonged display of static image content. These functions can optionally be deactivated.

<2 mm
<2 mm
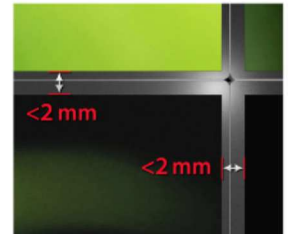
## ) INNOVATIVE FEATURES

- **4K Loop-Through**
  The new internal matrix scaler of the displays enables a loop-through of signals with up to 4K resolution.
- **Simple Firmware Updates**
  The firmware of the displays can easily be updated. All displays within a video wall can be updated at once.
- **Reliable 24/7 Operation**
  All components designed for professional use in long-term operation.
- **Durable and Professional Design**
  All metal structure, sleek & low-key look that makes the content standout.
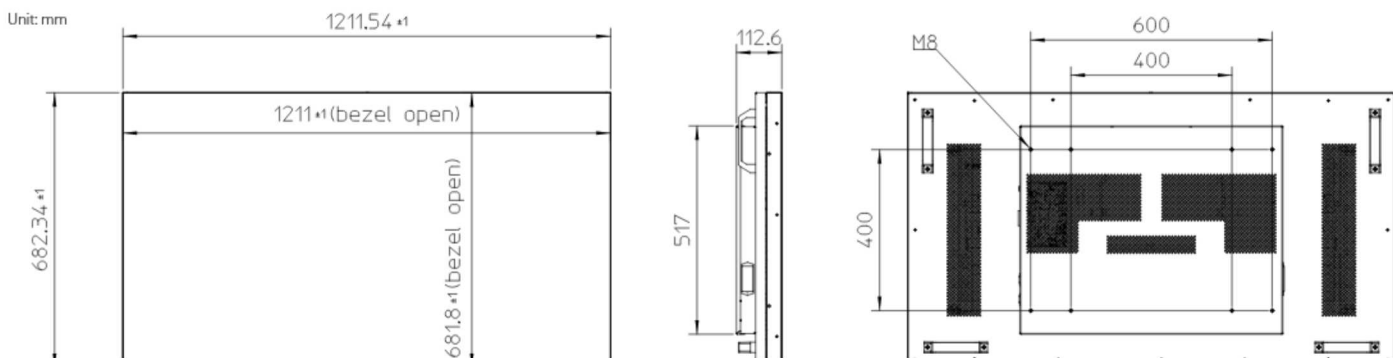- **Landscape or Portrait Installation**

)eyevis )eyevis

- **Non-Stick Mode (can be deactivated optionally)**
  To reduce potential image sticking effects three different mechanisms are built in and can be activated via OSD:
  - **Pixel Shifting** constantly moves the entire image by one pixel.
  - The intelligent **Soft Picture Mode** smoothens extreme contrast transitions to avoid boundary line image sticking.
  - **Dynamic Pixel Refreshing** randomly changes individual pixels for a very short time so that it is not visible for the human eye at all but reduces the risk of image retention through static images considerably.

  The Non-Stick Mode can be activated for static content and deactivated for motion content.

## ) DRAWING

Unit: mm

1211.54 *1

1211 *1 (bezel open)

682.34 *1

681.8 *1 (bezel open)

112.6

517

M8

600

400

400

)eyeLCD
EYEVIS LCD LINE

## EYE-LCD-5500-ESN-FX
DIRECT-LED 55" VIDEOWALL LCD WITH <2 MM BEZEL AND 700 cd/m² BRIGHTNESS

### ) TECHNICAL SPECIFICATION

#### LCD PANEL

| | |
|---|---|
| Model Name: | EYE-LCD-5500-ESN-FX |
| Panel Type: | LCD IPS-Panel |
| Screen Diagonal: | 55 inch (ca. 139 cm) |
| Display Resolution: | 1920 × 1080 Pixel (full HD) |
| Active Display Area: | 1209.6 × 680.4 mm |
| Pixel Pitch: | 0.630 × 0.630 (H × V) |
| Display Mode: | Transmissive Mode, Normally Black |
| Colours: | 1.07G (10-Bit Colour Processing) |
| Brightness: | 700 cd/m² (typ.) |
| Contrast: | 1200:1 (typ.) |
| Viewing Angle: | 178° H/V |
| Response Time: | 8 ms (typ.) |
| Backlight: | Direct LED |
| Installation: | Landscape or Portrait Installation possible |
| Backlight Life-Time: | > 60.000 hrs (Brightness <50%) |
| 24/7 Operation[1]: | Yes |

#### CONNECTORS & CONTROL

| | |
|---|---|
| Inputs[2]: | Video, Y/C, DVI-I (digital/analog), HDMI, DisplayPort, RS232 |
| Outputs[2]: | DisplayPort, RS232 |
| HDCP Support: | DP & DVI: HDCP 1.2 / HDMI: HDCP 1.4 |
| Internal Matrix: | Yes / 10 × 10 |

#### MECHANICAL

| | |
|---|---|
| Dimensions: | 1211.5 × 682,3 × 112,6 mm (W × H × D) |
| Bezel Width: | <2.0 mm (1.8 mm mechanical bezel) |
| Weight: | ca. 30 kg |
| VESA Mount: | 400 × 400 / 400 × 600 |

#### OPERATING CONDITIONS

| | |
|---|---|
| Power Consumption: | 172 W typ. / max. 245 W |
| Input Voltage: | 100V – 240V AC, 50/60 Hz |
| Operating Temperature: | typ. 0 - 40 °C |
| Humidity: | typ. 10-80 % RH (no condensation) |

#### OTHER

| | |
|---|---|
| Handling: | 4 handles for simple and safe transport and installation |
| Cooling: | Fanless |

#### OPTIONS

| | |
|---|---|
| Installation: | Different mounting options (wall-mounts, mobile video wall carts, etc.) |
| Colour Adjustment: | EYE-LCD-CAS colour adjustment system |
| Touch: | Custom infrared touch overlay for video walls |

#### ORDERING INFORMATION

| | |
|---|---|
| Article-ID: | 23736 |

[1] When observing required terms and condition of operation

[2] Possible for signals up to 4K if supported by the signal source/graphic card on output side

### ) THE ADVANTAGES AT A GLANCE

- 55" screen diagonal (ca. 139 cm)
- Full HD resolution (1,920 × 1,080 Pixel)
- Mechanical Bezel Width: <2 mm
- Direct LED backlight for uniform illumination and brilliant colours
- Optimised power consumption
- Internal matrix function for signals and control
- Robust metal design for demanding applications

### ) APPLICATIONS

- Control Rooms (e.g. for Video Surveillance)
- Board Rooms
- Show Rooms
- Conference Rooms
- POS/POI
- Trade Fairs / Events
- Trading Rooms