

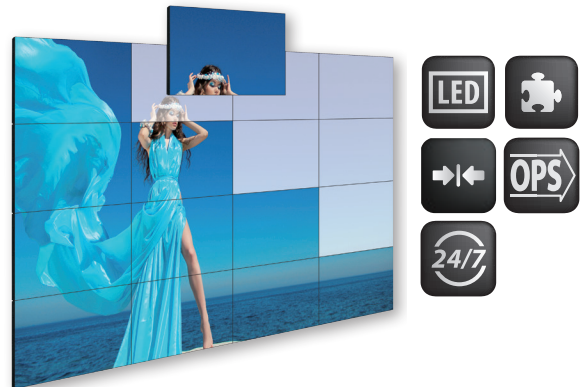


## EYE-LCD-4700-USN-FX-V2

DIRECT-LED 47" VIDEOWALL LCD WITH 4.9 MM BEZEL

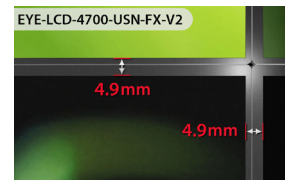
## EYE-LCD-4700-USN-FX-V2-OPS

DIRECT-LED 47" VIDEOWALL LCD WITH 4.9 MM BEZEL AND OPS SLOT



### ) PRODUCT DESCRIPTION

The EYE-LCD-4700-USN-FX-V2(-OPS) is eyevis' latest 47-inch display for the assembly of ultra-super narrow bezel video wall installations. The display provides a screen diagonal of 47 inch (ca. 119 cm), Full-HD resolution with 1920x1080 pixels and Direct-LED backlight technology. The device features the eyevis-typical robust housing design and enables a mechanical bezel in a video wall that adds up to only 4.9 mm. The displays are also available as OPS versions, which can be equipped with appropriate OPS PCs or extended input options. The newly developed electronics offer an optionally activatable non-sticking mode which prevents burn-in effects or image sticking effects caused by the prolonged representation of static images.



### ) 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 stand out.

#### ▪ Landscape or Portrait Installation



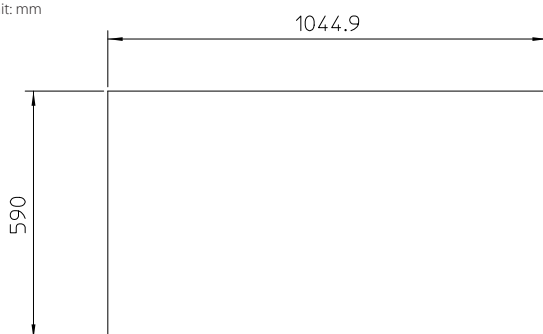
#### ▪ Non-Stick Mode (optionally activatable)

To reduce potential image sticking effects three different mechanisms are built in and can be activated via OSD:

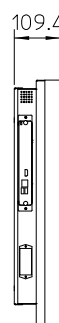
- **Pixel Shifting** constantly moves the entire image by one pixel.
- The intelligent **Soft Picture Mode** smoothens extreme contrast transitions to avoid boundary line image sticking.
- **Dynamic Pixel Refreshing** randomly changes individual pixels for a very short time so that it is not visible for the human eye at all but reduces the risk of image retention through static images considerably.

### ) DRAWING

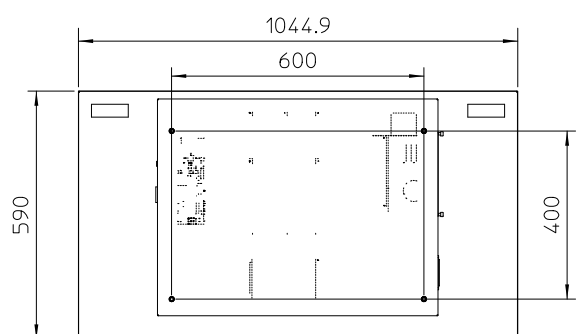
Unit: mm



front view1



sideview left1



rear view1



## EYE-LCD-4700-USN-FX-V2 | EYE-LCD-4700-USN-FX-V2-OPS

### ) TECHNICAL SPECIFICATION

#### LCD PANEL

|                               |   |
|-------------------------------|---|
| Model Name:                   | EYE-LCD-4700-USN-FX-V2   EYE-LCD-4700-USN-FX-V2-OPS |
| Screen Diagonal:              | 47 inch (ca. 119 cm)                                |
| Active Screen:                | 1039.7 × 584.8 mm (W×H)                             |
| Display Resolution:           | 1920 × 1080 Pixel (full HD)                         |
| Display Mode:                 | Transmissive Mode, Normally Black                   |
| Colours:                      | 1.07 G (10-Bit Colour Processing)                   |
| Brightness:                   | 500 cd/m <sup>2</sup> (typ.)                        |
| Contrast:                     | 1400 : 1 (typ.)                                     |
| Response Times:               | 12 ms (typ.)  |
| Viewing Angle:                | 178° H/V  |
| Installation:                 | Landscape or Portrait Installation possible         |
| Backlight:                    | Direct LED  |
| Backlight Life-Time:          | > 60,000 hours (brightness <50%)                    |
| System MTBF:                  | > 60,000 hours                                      |
| 24/7 Operation <sup>1</sup> : | Yes   |

#### CONNECTORS & CONTROL

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

#### MECHANICAL

|                      |  |
|----------------------|--|
| Abmessungen Display: | 1045 × 590 × 109.4 mm (W×H×D)  |
| Bezel Width:         | Mechanical: 1.7 mm b./r., 3.2 mm t./l.<br>(Active-to-Active: 5.2 mm) |
| Weight:              | approx. 26 kg  |
| VESA Mount:          | 400 × 600  |

#### OPERATING CONDITIONS

|                        |                                  |
|------------------------|----------------------------------|
| Power Consumption:     | TBD                              |
| Input Voltage:         | 100V – 240V AC, 50/60 Hz         |
| Operating Temperature: | typ. 0 - 40 °C                   |
| Operating Humidity:    | typ. 10-80 % RH (not condensing) |

#### OTHER

|           |  |
|-----------|--|
| Handling: | Handles for simple and safe transport and installation |
| Cooling:  | Fanless design   |

#### OPTIONS

|                         |  |
|-------------------------|--|
| Front-Service Option:   | ✓ (Front-service wall-mount for landscape/portrait installation) |
| Colour Adjustment:      | ✓ (EYE-LCD-CAS colour adjustment system)                         |
| Touch:                  | ✓ (Custom infrared touch overlay for video walls)                |
| OPS Slot <sup>3</sup> : | ✓ (OPS standardized input slot for OPS-PC and additional inputs) |

#### ORDERING INFORMATION

|                           |   |
|---------------------------|---|
| Article-ID <sup>3</sup> : | 22988 -> EYE-LCD-4700-USN-FX-V2 (standard version)  |
|                           | 22989 -> EYE-LCD-4700-USN-FX-V2-OPS (version with activated OPS-function. <b>Note:</b> OPS-options need to be ordered separately) |

### ) EYEVIS PROCESSING UNIT (EPU)

**EPU-Wall**, the flexible and cost-efficient solution for the integration and operation of IP-based video wall installations and display networks for **CCTV Control Rooms** and **Digital Signage Networks**. EPU-Wall is a first choice wherever signals are transmitted over IP-networks. Controlled from a central location in the network it is possible to distribute all streams available in the network to individual displays or video walls within a few clicks.

### ) TECHNICAL SPECIFICATIONS EPU (OPTIONAL)

|                      |   |   |
|----------------------|---|---|
| Model:               | EPU-CE-32-8-x-1   | EPU-i5-32-8-x-1   |
| CPU Support:         | Intel® Celeron® Processor J1900<br>Quad Core 2.0GHz SoC Processor (fanless)   | 4th Generation Intel® Core™ i5-4400E BGA Processor  |
| Main Memory:         | 8GB DDR3L 1333MHz, unbuffered und non-ECC   |   |
| I/O Interface-Front: | 1× Power on/off / 1× Reset Button / 3× USB 3.0 / 1× USB2.0 / 1× RJ45 for Gigabit LAN / 1× HDMI / 1× Audio (Line-Out/ Mic-In) / 1× 2.5" HDD Slot | 1× Power on/off / 1× Reset Button / 4× USB3.0 / 1× RJ45 for Gigabit LAN / 1× HDMI / 1× Audio (Line-Out/ Mic-In) / 1× 2.5" HDD Slot / 1× RJ45 for RS-232 |
| Storage Device:      | 1× 2.5" SSD, 32GB, SATA   |   |
| Operating System:    | Windows 7 Embedded for EPU-Wall,<br>Windows 7 Ultimate for Embedded Systems   |   |

#### ORDERING INFORMATION

|                           |  |  |
|---------------------------|--|--|
| Article-ID <sup>3</sup> : | 20194 -> EPU-CE-32-8-E-1 -> EPU with Win 7 Ultimate for Embedded Systems | 20197 -> EPU-i5-32-8-E-1 -> EPU with Win 7 Ultimate for Embedded Systems |
|                           | 20195 -> EPU-CE-32-8-M-1 -> EPU with Win 7 Embedded for EPU-Wall         | 20198 -> EPU-i5-32-8-M-1 -> EPU with Win 7 Embedded for EPU-Wall         |

### ) OPTIONAL ACCESSORIES

#### OPS PC (EYEVIS PROCESSING UNIT)

- OPS-standard compliant eyevisProcessingUnits (EPU) can be used as digital signage players or to integrate the display device in eyevis' unique EPU-Wall concept for IP-based signal distribution and control



#### HDBASET MODULE (OPS-SLOT COMPATIBLE)

- Use of Cat5e/Cat6 Ethernet cable with standard RJ-45 connector for video/audio/control/power transmission.

#### 3G-SDI MODULE (OPS-SLOT COMPATIBLE)

- Internal 3G/HD/SD-SDI Board
- Supported 3G formats (SMPTE 424M) 1080p@50/60Hz
- Looping out to other display

#### FRONT-SERVICE WALL MOUNT



**EYE-WHLCD-FS-QR-65-LAND**  
for Landscape installations



**EYE-WHLCD-FS-QR-65-POR**  
for Portrait installations

<sup>1</sup> When observing required terms and condition of operation

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

<sup>3</sup> OPS conform accessories (PC/EPU, input options) to be ordered separately.



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