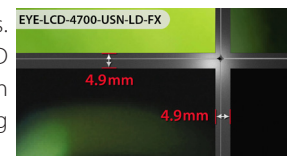#)eyeLCD
EYEVIS LCD LINE

EYE-LCD-4700-USN-LD-FX

47" VIDEO WALL LCD WITH 4.9 mm BEZEL
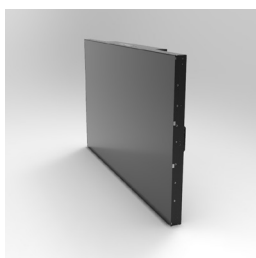AND DIRECT-LED BACKLIGHT

) PRODUCT DESCRIPTION

The EYE-LCD-4700-USN-LD-FX is eyevis' latest 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 1920×1080 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 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.
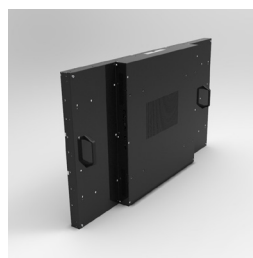
EYE-LCD-4700-USN-LD-FX
4.9 mm
4.9 mm

) INNOVATVE 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**

▪ **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.

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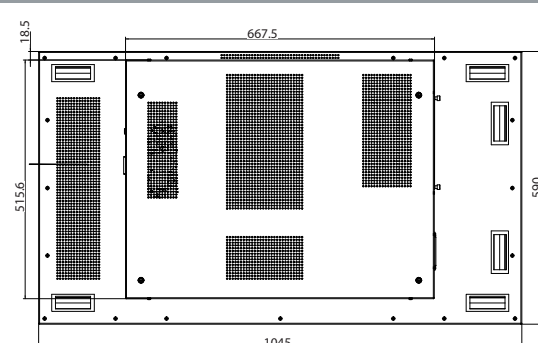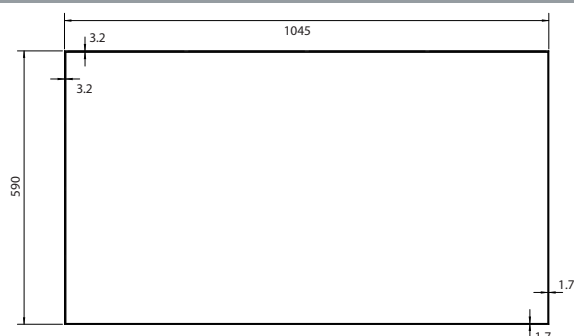
) IMAGES

Front View

Rear View

Application

) DRAWING

Unit: mm

3.2
3.2
1045
590
1.7
1.7

18.5
667.5
515.6
590
1045

52
73

) eyeLCD
EYEVIS LCD LINE

EYE-LCD-4700-USN-LD-FX
47" VIDEO WALL LCD WITH 4.9 mm BEZEL AND DIRECT-LED BACKLIGHT

) TECHNICAL SPECIFICATION

LCD PANEL

Model Name:	EYE-LCD-4700-USN-LD-FX
Panel Type:	a-Si TFT
Screen Diagonal:	47 inch (ca. 119 cm)
Active Display Area:	1039.7 × 584.8 mm
Installation:	Landscape or Portrait Installation possible
Display Mode:	Transmissive mode, normally black
Display Resolution:	1,920 × 1,080 Pixel (full HD)
Colours:	1.07G (10-Bit Colour Processing)
Brightness:	450 cd/m² (typ.)
Contrast:	1200 : 1 (typ.)
Viewing Angle:	178° H/V
Response Time:	12 ms
Backlight:	Direct LED
Backlight Life-Time:	> 50,000 hrs (Luminance <50%)
System MTBF:	> 50,000 hrs
24/7 Operation[1]:	Yes

CONNECTORS & CONTROL

Inputs[2]:	Video, Y/C, DVI-I (digital/analog), HDMI, DisplayPort, RS232
Outputs[2]:	DisplayPort, RS232
Internal Matrix:	Yes, 10 × 10

MECHANICAL

Display:	1045 × 590 × 73 mm (W × H × D)
Bezel Width:	Bezel-to-Bezel: 1.7 mm bottom/right, 3.2 mm top/left (Active-to-Active: 1.85 mm bottom/right, 3.35 mm top/left)
Weight:	24 kg
VESA Mount:	400 × 600

OPERATING CONDITIONS

Power Consumption:	140 Watt
Input Voltage:	100V – 240V AC, 50/60 Hz
Operating Temperature:	typ. 0 - 40 °C
Humidity:	typ. 10-80 % RH (no condensation)

OTHER

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

OPTIONS

OPS Slot:	OPS standardized input slot for OPS-PC and additional inputs
Front-Service Option:	Full front-service Landscape/Portrait video wall mount
Colour Adjustment:	EYE-LCD-CAS colour adjustment system
Touch:	Custom infrared touch overlay for video walls

ORDERING INFORMATION

Item Number:	21320

[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

- 47" screen diagonal (ca. 119 cm)
- Full HD resolution (1,920 × 1,080 Pixel)
- Bezel-to-Bezel: 4.9 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

) OPTIONAL ACCESSORIES

OPS MODULE
Features:
- OPS-standard compliant eyevisProcessingUnit embedded in the device. The powerful EPU-versions can be used as digital signage players or to integrate the display device in eyevis' unique MetaWall concept for IP-based signal distribution and control

HD$_{BASE}$T MODULE
Features:
- Use of Cat5e/Cat6 Ethernet cable with standard RJ-45 connector for video/audio/control/power transmission.

3G-SDI MODULE
Features:
- Internal 3G/HD/SD-SDI Board
- Supported 3G formats (SMPTE 424M) 1080p@50/60Hz
- Looping out to other display
- Easy Install (Intel OPS Architecture Compliant)

FRONT-SERVICE WALL MOUNT

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

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