



eyeLCD with embedded eyevis Processing Unit

EYEVIS LCD MONITORS WITH EMBEDDED OPS MODULE



eyeLCD-EPU PRODUCT DESCRIPTION

In order to simplify the installation, the integration and the signal connection for video walls and individual LCD screens, eyevis has developed the new EPU-LCD series of intelligent display devices. With the new EPU-LCD devices all electronics for the signal processing are already integrated through the **eyeProcessingUnit** (EPU). Due to integrated image processing the installation becomes much easier. In addition to the power cable only a simple network cable has to be connected to the EPU display. The EPU displays are ideal if for instance several commercial and information displays in train stations or airports have to be centrally controlled and fed or if existing display networks are to be extended without laborious cabling. In contrast to displays with a System-On-Chip (SOC) feature users are absolutely flexible in terms of management software when using EPU displays.

eyevis offers the EPU displays as stand-alone displays with a screen diagonals of 46", 55" and 65", as well as a 55" video wall LCD with ultra-super narrow bezel design. With full HD resolution, edge or direct LED lighting, brightness of up to 700 cd/m² and contrast of up to 4000:1 the eyevis LCDs are ideal for demanding applications. With a minimal bezel of only 5.3 mm the EYE-LCD-5500-USN-LD-FX-EPU is also ideal for the assembly of permanently installed video walls. Tailored specifically to the respective area of application we offer the eyevis processing units in two different performance levels.

Application Possibilities:

- Control Rooms
- Digital Signage
- Public Information Display
- Conference Rooms

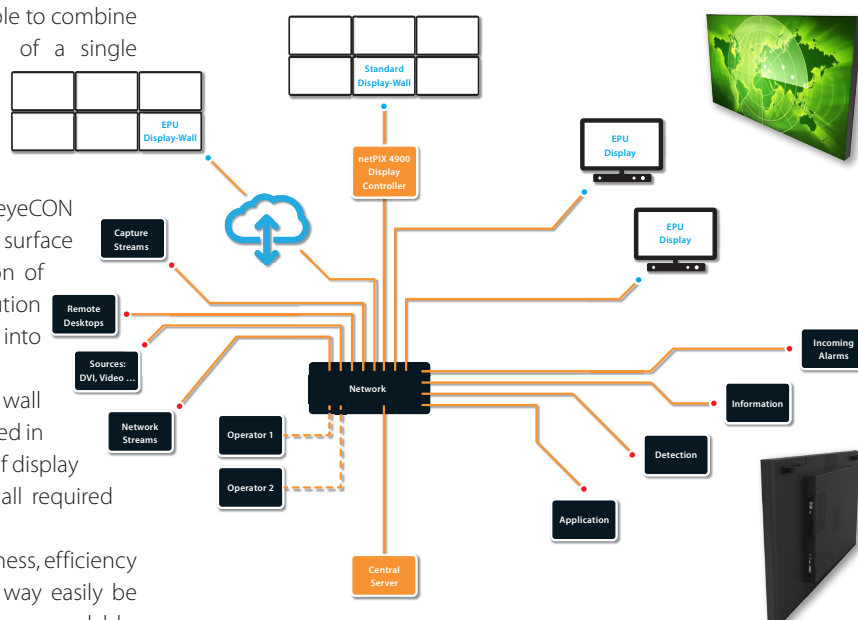
eyeCON MetaWalls FUNCTIONALITY

With the EPU displays the assembly and operation of almost unlimited video wall and display installations is possible. The entire system is controlled through the display and video wall management software MetaWall 2.0. This software is a flexible system for signal transmission and management of video walls and single displays. It is able to combine several video walls and single displays beyond the limits of a single graphic controller to a single user interface. Thereby input signals are transmitted via network, internet or cloud and through the intelligent EPU displays can be retrieved from the network at any point. Management, scaling and assignment of all input signals is controlled through eyeCON V5.1. The software makes all sources visible on a desktop surface and in this way allows for the uncomplicated distribution of signals to the single reproducers. With the streaming solution eyeGATE BYOD sources can uncomplicatedly be integrated into conference rooms.

Since the EPU displays with direct control as well as video wall displays with graphic controller connection can be integrated in eyeCON MetaWall 2.0, planners, integrators and operators of display networks are provided with high flexibility. If necessary, all required components can be combined.

For the operators this guarantees highest possible effectiveness, efficiency and benefit. Moreover, eyeCON MetaWall 2.0 can in this way easily be integrated in existing systems. The system still stays freely expandable.

If for instance a showroom with video wall is to be extended by further rooms with single displays EPU displays only have to be installed and connected to the network. Through eyeCON V5.1 the displays can be integrated with a few clicks and can easily be managed.





) TECHNICAL SPECIFICATION EYE-LCD-EPU DISPLAYS

LCD PANEL

Model:	EYE-LCD-4600-LE-EPU	EYE-LCD-5500-LE-EPU	EYE-LCD-6500-LE-EPU	EYE-LCD-5500-USN-LD-FX-EPU
Description:	Professional Edge-LED LCD Monitor	Professional Edge-LED LCD Monitor	Professional Edge-LED LCD Monitor	Professional Direct-LED Video Wall LCD Monitor
Screen Diagonal:	46" (ca. 116 cm)	55" (ca. 139 cm)	65" (ca. 165 cm)	55" (ca. 139 cm)
Resolution:	1920 x 1080 Pixel (full HD)	1920 x 1080 Pixel (full HD)	1920 x 1080 Pixel (full HD)	1920 x 1080 Pixel (full HD)
Colours:	1.07 G Colours (10bit)	1.07 G Colours (10bit)	1.07 G Colours (10bit)	1.07 G Colours (10bit)
Brightness:	500 cd/m ² (typ.)	450 cd/m ² (typ.)	360 cd/m ² (typ.)	500 cd/m ² (typ.)
Contrast:	4000:1 (typ.)	4000:1 (typ.)	4000:1 (typ.)	1400:1 (typ.)
Viewing Angle:	178° H/V	178° H/V	178° H/V	178° H/V
Response Time:	6.5 ms (typ.)	6.5 ms (typ.)	8 ms (typ.)	10 ms (typ.)
24/7 Operation:	Yes (recommended operation 20/7)	Yes (recommended operation 20/7)	Yes (recommended operation 20/7)	Yes (optimized for 24/7 operation)

CONNECTORS & CONTROL

Inputs:	1x DisplayPort / 2x HDMI 1.3c / 1x DVI / 1x VGA / 1x PC Audio In / 1x IR Extender	1x DisplayPort / 2x HDMI 1.3c / 1x DVI / 1x VGA / 1x PC Audio In / 1x IR Extender	1x DisplayPort / 2x HDMI 1.3c / VGA / DVI / 1x Component / S-Video / AV	Video, Y/C, DVI-I (digital/analog), HDMI, DisplayPort, RS232 / 1x IR Extender
Outputs:	Audio Out / Speaker Out	Audio Out / Speaker Out	Audio Out / Speaker Out	DisplayPort (loop-through)
Internal Matrix Function:	-	-	-	Yes
Communication Port:	RS232C In	RS232C In	RS232C In	RS232C In/Out (loop-through)
Control:	RS232C, Control Buttons, IR Remote Control	RS232C, Control Buttons, IR Remote Control	RS232C, Control Buttons, IR Remote Control	RS232C, IR Remote Control

MECHANICAL

Dimensions (W x H):	1068.3 x 620 x 68.6 mm	1257.2 x 728 x 66.3 mm	1522.8 x 897.8 x 68.4 mm	1215.2 x 686 x 105.4 mm
Bezel Width:	ca. 23 mm	ca. 23 mm	ca. 47 mm	1.9 mm b./r., 3.4 mm t./l.
Weight:	22.8 kg (net)	30,2 kg (net)	57 kg (net)	34 kg (net)
VESA Mount:	200 x 400	200 x 400	400 x 400 / 400 x 600	400 x 600

OPERATING CONDITIONS

Power Consumption:	ca. 135 Watt (max.)	ca. 155 Watt (max.)	≤ 290W (max.)	ca. 230 Watt (max.)
Power Supply	110V – 240V AC, 50/60 Hz			
Operating Temperature:	0°C - 45°C (10 - 90% RH non-condensing)			

OPTIONS

Touch Surface:	Infrared touch system with up to 32 simultaneous touch point
Installation:	Stands, Wall Mounts, Mobile Display Carts, different Solutions for Video Wall Installations
Housing Colour:	Standard RAL Black, Customised Finishing and Logo Branding on Request

) TECHNICAL SPECIFICATIONS EYEVIS PROCESSING UNIT

Model:	EPU-CE-32-8-X-1	EPU-i5-32-8-X-1
CPU Support:	Intel® Celeron® Processor J1900 Quad Core 2.0GHz SoC Processor (fan-less)	4 th Generation Intel® Core™ i5-4400E BGA Type Processor
Main Memory:	8GB DDR3L 1333MHz, unbuffered and non-ECC	8GB DDR3L 1333MHz, unbuffered and non-ECC
I/O Interface-Front:	1x power button / 1x reset button / 3x USB 3.0 / 1x USB2.0 / 1x RJ45 for Gigabit LAN / 1x HDMI / 1x Audio (Line-out/ Micin) / 1x 2.5" HDD slot	1x power button / 1x reset button / 4x USB3.0 / 1x RJ45 for Gigabit LAN / 1x HDMI / 1x Audio (Line-out/ Mic-in) / 1x 2.5" HDD slot / 1x RJ45 for RS-232
Storage Device:	1x 2.5" SSD, 32GB, SATA	1x 2.5" SSD, 32GB, SATA
Operating System:	Windows 7 for MetaWall, Windows 7 Embedded, Linux	Windows 7 for MetaWall, Windows 7 Embedded, Linux



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