) EYE-LCD-4600-SN

eyevis LCD Series

) DESCRIPTION

eyevis' display versions EYE-LCD-4600-SN offer a revolutionary TFT-LCD-based technology. Best image quality, high contrast, high brightness, high resolution, and the ultra-narrow bezel are the main features of these new display modules. The displays has a screen diagonal of 46" with 16:9 aspect ratio, and native WXGA resolution (1366x768 pixel).

The new TFT-LCD screens are cascadable, i.e. they can be combined to build up large screen walls with little gaps between the individual display modules. Thanks to the narrow bezel of the displays, the gap between the screens of two adjacent modules measures only **7.3 mm**.

In contrast to plasma displays, which are also available in frameless versions, you do not have the imminent danger of "burn-in" effects with our TFTs. Already after a short representation of a static image these effects occur on plasma displays and cause irreparable damages to the screen. These effects do not happen to TFT screens that easy.

Of course, the EYE-LCD4600-SN have the ultra-thin and slim design that is typical for TFT-LCD displays. This allows their flexible installation in almost every area of application.

eyevis new EYE-LCD4600-SN is especially designed for the use in 'tiled' video wall applications. The displays provide special ventilation ducts for heat dissipation, a decisive feature for avoiding image retention effects on the displays. This cooling concept, as well as several other additional features, makes the displays match the requirements of sophisticated continuous operation.

The displays have a robust powder-coated metal housing, which makes them perfect for the use in any environment. Even regular installing and de-installing of the displays, as on shows and events cannot harm the displays.

eyevis provides all necessary accessories for wall and ceiling installations. Moreover, we offer a range of customised solutions (supporting stands, mobile stands, etc.). Special casings are also available (protection against vandalism, environmental influences, etc.). As a provider of one-stop large screen solutions we also have graphics controllers, wall management software, and a wide range of further accessories.

) DISPLAY PROPERTIES

Two available versions:
- **Modular-Version:**
  With stacking frame for LCD based display walls.
- **Front-Access Version:**
  With special mechanism for front side access.

easyMount:
Stackable frames enable quick and simple assembly of display walls

GammaCorrect:
Dynamic adjustment over the complete gamma curve

Internal Split Controller:
Images scalable over several modules, possible up to a matrix of 10x10 displays

Loop-through for RGB and DVI Signals:
Signal loop from display to display. Your advantage: No additional signal distributors necessary

PIP:
Picture-in-Picture (Video on data representation) on one display; possible with all displays of a display wall.

PSS:
Panel-Security-System. Security features for long-term operation to reduce the so-called image sticking effect.

PSC:
Panel-Self-Control. Provides various functions, such as automatic panel dimming, automatic temperature and ventilation adjustments and emergency cut-out.

Control:
Internal control board enables the addressing and control of all functions.

PDS:
Panel-Database-Solution. Open interface, easy connection to other systems avoids maloperations. User-friendly GUI.
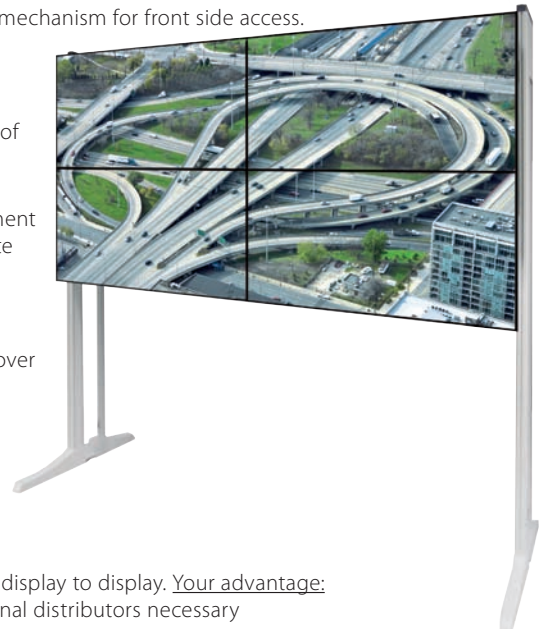
PSM:
Panel-Status-Monitoring. Comprehensive and detailed survey of the complete system (status messages).

Service-friendly:
Modular design, pluggable component connections results in short MTTR (optional: Front maintenance version).

Optimal Ventilation Concept:
Ventilation ducts for air-supply and exhaust.

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) eyevis
PERFECT VISUAL SOLUTIONS

eyevis LCD Series

) TECHNICAL SPECIFICATIONS

) LCD Screen

Technology:	S-PVA TFT
Display Resolution:	1,366 x 768 Pixel (WXGA)
Pixel Pitch:	0.7455 mm (H/V)
Backlight MTBF:	50,000 hrs
Colours:	8 Bit / 16.7 million
Aspect Ratio:	16:9
Viewing Angle:	H 178° / V 178°
Response Time:	8 ms
Contrast Ratio:	3000 : 1
Brightness:	typ. 500 cd/m^2 (max. 700 cd/m^2)
24/7 Operation^①:	Yes (recommended operation: 20/7)

) Connectors

Inputs:	Power Supply 100-250V 50/60Hz 2 x DVI IN (DVI) 2 x RGB IN (HD15 + DVI) 2 x Composite Video (BNC) 1 x S-Video (Mini-DIN 4pol) 1 x IR (Mini Jack 2.5 mm) 1 x RS232
Outputs:	1 x DVI-D 1 x RS232

) Dimensions

Display	w/o Stacking Frame	1026.6 x 580.8 x 167 mm (WxHxD)
	with Stacking Frame	1026.6 x 580.8 x 232 mm (WxHxD)
Bezel Width:		2.7 mm bottom/right, 4.6 mm top/left (Active-to-Active: 7.3 mm)

) Weight

Display	30 kg
Display + Stacking frame	40 kg

) Environmental

Power Consumption:	300 Watt
DPMS:	< 1 Watt
Thermal Load:	230 Watt
Temperature:	typ. 0 - 40 °C
Humidity:	typ. 25 - 60 % (max. 90% RH)

) Certificates

EMI	CE
ISO	ISO 13406/2 (pixel error class 2)

) Options

Front-Service Option:	Special mechanism allowing front access to the displays. Individual modules can be dismantled even in the centre of modular video walls.
VESA Mount:	400 x 400 mm / 600 x 400 mm
Ambient Light Sensor:	Automatic adjustment to the ambient light conditions (e.g. day and night adjustment)
Colour Adjustment	EYE-LCD-CAS colour adjustment system for eyevis LCD Displays from the M-USN-Series

^{①}Electronic components designed for 24/7 operation. Prolonged display of static image contents may affect the display quality of the device. These effects do not affect the functionality of the device and are therefore not considered as defects in terms of our warranty conditions.

) APPLICATIONS

) control rooms (e.g. for video surveillance)
) boardrooms
) show rooms
) conference rooms
) POS/POI
) trade fairs / events
) trading rooms

) FEATURES

) almost unlimited number of cascadable displays
) „frameless" design, minimal gaps
) optimized for video walls (profile frame, ventilation system, etc.)
) robust metal design
) best image quality
) optional with sensor-based colour adjustment system for lcd video walls (EYE-LCD-CAS)

) STACKING FRAME FOR SN-VERSIONS

Special Ventilation Duct

EYE-FRAME-4600-SN-V2

) FRONT-SERVICE OPTION

EYE-WHLCD-FS