EYE-LCD4700-24NB
47" Screen Diagonal
full HD Resolution
24/7

) **EYE**-LCD4700-24NB

) eyevis
PERFECT VISUAL SOLUTIONS

) PRODUCT DESCRIPTION

With the new LCD monitors type EYE-LCD4700-24NB, eyevis provides a revolutionary technology for TFT-LCD-based monitors. The displays come with a screen diagonal of 47" and offer best image quality, high resolution, narrow bezels and unique operability in 24/7 applications*.

Thanks to the narrow bezel the displays are a first choice for modular video wall applications. The gap between the image contents of adjacent screens measures only 30 mm.

eyevis implemented numerous optimised features to prevent so called "Image Sticking" effects which are likely to occur on other LCD monitors, especially when static content is displayed over prolonged time.

Of course, the displays share the ultra-thin and slim design typical for TFT-LCD displays. This allows their flexible installation in almost every area of application.

Whether you want to display video signals or computer signals, any kind of data can be displayed on the EYE-LCD4700-24NB. In combination with the eyevis netpix controller and the eyecon software a medium for representation and information can be created that perfectly fits smaller control rooms in which the space-factor is a main criteria. In addition to that, you will attract more attention than before with your presentations, since these displays are the ideal medium to transport your company's message.

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.).

*) when observing required terms and condition of operation

) DISPLAY PROPERTIES

) Detail Expansion
Optimised display of very small details. Particularly in dark areas, even smallest details - not visible on conventional displays - can be displayed generating an extremely brilliant and high-contrast image.

) Optimised Cooling Concept
The intelligent cooling system has an open loop and a closed loop. making it very energy efficient, maintenance-free and reduces the cost of ownership. Furthermore, a special sealing method avoids dust accumulation inside the display.

) Dynamic Contrast Control
Innovative technique for incessant correction of the backlight brightness and contrast of the TFT cells, resulting in a natural, very high-contrast image and reduced power consumption.

) Intelligent Noise Reduction
Intelligent algorithms suppress the „noise" typical for analog signals, while optimising image performance.

) Dynamic Pixel Refreshing
A special system driving the TFT cells avoids image sticking and increases display lifetime considerably.

) Pixel Shifting
Continuous shifting of the entire image in different directions prevents image sticking. At normal viewing distance, this is almost not visible. If required by the application, the shifting area can be adjusted manually.

) Soft Picture Mode
An intelligent scaling mechanism smoothes out extreme contrast transitions. This process avoids the so called boundary line image sticking, which occurs at „sharp" transitions (e.g. black to white). If required, the degree of „softening" can be adjusted manually.

) Temperature Control System
Active temperature control, monitors the heat level and controls the fans.

) True Movie Mode
Special method for the high-quality display of video signals, e.g. DVDs up to HD in 1080i (e.g. Blue-Ray).

) TECHNICAL SPECIFICATIONS

) Display

Diagonal:	47" / 119cm
Active screen dimensions (h x v)::	1039 x 584mm
Resolution:	1920 x 1080 (pixel)
Colour performance:	16.7 Mio colours
Viewing angle:	178° (typical)
Contrast ratio:	1000:1 (typical)
Brightness:	700 cd/m² (max.)
Response time:	9ms (grey to grey)

) Environmental conditions

Temperature:	0 - +40°C (operation)/ -20 - +60°C (non- operation)
Humidity:	10% - 90% (non-condensing)

) Power

Power consumption:	210W (typical)
Power supply:	90V - 264V, 47Hz - 63Hz

) Dimensions & Weight

Display only W x H x D / kg (+/-10%):	1071 x 616 x 114mm / 24.0 kg
Bezel width:	15 mm
VESA fixings:	600 x 400 mm (M8)

) Approvals

EMI/EMC:	EN55022 Klasse A, EN55024, EN61000-3-2/-3
Safety:	EN60950, CE

) Options

Installation:	Different wall-mounts, pedestals and display racks available on request.

) Colour

Standard colour cabinet/front panel:	RAL 9005 (black), powder coated

) Electronics

Horizontal frequency:	15kHz – 90kHz
Vertical frequency:	49Hz – 90Hz
Pixelclock:	170MHz (typ.)
Signal timing table:	640 x 400, 720 x 400, 640 x 480, 800 x 600, 1024 x 768, 1280 x 768, 1366 x 768, 1280 x 1024, 1600 x 1200, 1920 x 1080 720i, 720p, 1080i (HDMI), 1080p (HDMI)

) Controls

User controls:	Mains switch
Control of display functions:	Via IR remote control On-screen display (OSD languages: ENG, FRA, GER, ITA, ESP, POR, NL, SWE, FIN, DAN, POL, RUS) RS 232

) Accessory

Operating manual, AC power cord, IR remote control, HDMI/DVI-D adapter cable (locked)

) Connectors

AV input / output:	AV1 (RGB in, CVBS in/out, Audio L/R in/out), AV2 (YC in, CVBS in/out, Audio L/R in/out)	2 x Scart
Video input:	Y / CVBS (Y in or CVBS in), U in, V in S-Video in (Y/C)	3 x Cinch Mini-DIN
Audio input:	CVBS/YUV R/L, S-Video R/L	4 x Cinch
PC input:	VGA	15pin HDSub
Serial interface:	RS232 (full remote control and service)	9pin HDSub
Digital PC/video interface:	Additional PC connector, digital video with HDCP (HDMI / DVI-D Adapter)	2 x HDMI (DVI-D)
PC audio input:	PC L/R	2 x Cinch
Audio output:	SUB (analog) subwoofer out, COAXIAL (digital) SPDIF out, Line out R/L	4 x Cinch

) FRONT / BACK VIEW

) AREAS OF APPLICATION

-) 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
-) low installation depth
-) slim design
-) best image quality
-) landscape or portrait mode
-) longterm availability of spare parts and components