eyevis
PERFECT VISUAL SOLUTIONS

) EYE-LCD-4700-24NB-IPD

eyevis LCD Serie
with embedded IP Video Decoder

) PRODUCT DESCRIPTION

With the new LCD monitors type EYE-LCD-4700-24NB-IPD, eyevis provides monitor with ebedded IP decoding solution. The deocder solution is based on eyevis' IP decoder unit for netpix graphics controllers. The display has a screen diagonal of 47" and offers 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.

*) when observing required terms and condition of operation

) EMBEDDED IP DECODING

The setup and configuration of each EYE-LCD-4700-NB24-IPD and channels can be easily done with the eyecon software. All settings are performed by drag&drop without editing files etc. Changes during transmissions are also possible inside the setup configuration side.

-) Support of thousands of cameras
-) Dynamic virtual switching of each camera to a decoder channel
-) Fast switching between cameras, also independent from codec changes
-) Dynamic use of available decoders or static mode
-) Overview of all camera/encoder sources in a customizable list
-) Support for additional comments for each camera
-) API for easy integration and support of many different video management software solutions

) THE ADVANTAGES

Universal decoding solution for multiple codec formats and for systems from different camera / encoder manufacturers.

-) Reduces costs for equipment, setup, and maintenance
-) Expandable Hardware, i.e. multiple displays can be used in a combined video wall configuration of any size. Control over the individual displays in a video wall is granted with the eyecon wall management software.
-) Fully digital solution with HD image quality
-) Very flexible (upgradable for future requirements) and expandable
-) Support for H.264 decoding with 25/30 frames/s on all decoder channels simultaneously
-) Decodes resolutions from CIF, D1, MegaPixel up to HD
-) Support for individual codecs and special customized integrations

) 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.

) 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 Class 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

) 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)

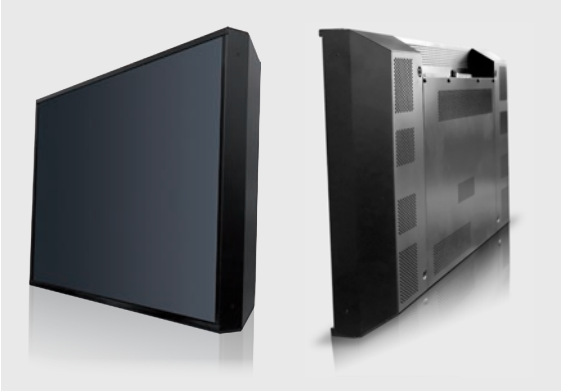
) Connectors

Network Ports:	2x Ethernet RJ-45 1000 Base-T Ports Auto-sensing, Half/Full Duplex
Serial Interface:	RS232 (9pin HDSub / full remote control and service)

) IP Decoding

Network Ports:	2x Ethernet RJ-45 1000 Base-T Ports Auto-sensing, Half/Full Duplex
Network Protocols:	TCP, UDP, IP, RTP, RTSP. Multicast and Unicast
Maximum Decoder Channels:	4x D1 channels simultaneously
Framerate per Channel:	PAL (25 fps) or NTSC (30 fps)
Resolution per Channel:	352x288 (CIF), 720x567 (D1), 1920x1080 (HD)
Maximum Channels per IPD:	8x CIF or 4x D1 or 2x HD
Codec Formats:	Independent Codec formats for each channel
Supported Codec Formats:	MPEG2 ISO/IEC-13818 Profiles: ES, PS and TS MPEG4 Part2 ISO/IEC-14496-2 Profiles: ASP, SP MPEG4 (H.264) ISO/IEC-14496-10 (AVC) MJPEG Motion JPEG

) FRONT / BACK VIEW



) AREAS OF APPLICATION

-) Control Rooms (e.g. CCTV video surveillance)
-) Presentation Areas
-) POS/POI
-) Trading Rooms
-) Digital Signage

) FEATURES

-) Embedded IP decodong solution
-) Capable for 24/7 operation
-) Almost unlimited number of cascadable displays
-) „Frameless" design, minimal gaps
-) low installation depth
-) Landscape or portrait mode
-) Longterm availability of spare parts and components

) SUPPORTED MANUFACTURERS*

Alstom Visor
ATEME MPEG4 / H264
Avigilon Control Center (HDSM)
AXIS MPEG4 / MJPEG / H264
BOSCH MPEG-4 / H264
Genetec Omnicast
Lanacess MPEG4
Mobotix MXPEG
Magnetix
OptelecomMPEG4 / H264
Panasonic MPEG4 / H264
Pelco MPEG / H264
Seetec Software
Siemens CX MPEG4
SONY MPEG4
Sprinx Technologies MPEG4 / H264
Teracue MPEG2
Vivotek MPEG4

*) The list of integrated manufacturers is continuosly enlarged. On request integrations can be realised for specific projects.

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