



# EYE-LCD-4700-24-LE

47" LCD MONITOR FOR 24/7 OPERATION  
WITH EDGE-LED BACKLIGHT



## ) DISPLAY PROPERTIES

- **Professional 47-inch (ca. 119 cm) LCD monitor** with Edge-LED backlight
- **Optimised for 24/7 operation !**
- **Full HD resolution** 1920 × 1080 Pixel
- **Low installation depth**, slim and sleek housing design
- **Ideal for sophisticated applications** in control rooms, digital signage, presentation, conferencing, POS/POI, etc.
- **Robust metal housing** (standard black RAL9005, different RAL colours available on request)

## ) SPECIAL FEATURES

- **Pixel Shifting**  
Function preventing image sticking.
- **24 / 7 / 365 Continuous Operation**  
Industrial solutions guaranteeing reliability, durability, an extremely low failure ratio and thus a reduced cost of ownership.
- **Ambient Light Control**  
Automatic panel brightness adjustment depending on ambient light conditions ensures best image quality, enhanced product lifetime and optimised power consumption.
- **Direct Digital Interface**  
Direct addressing of each pixel guarantees an excellent image performance - vibrant and absolutely flicker-free - as well as efficient display control.
- **Display Performance Monitoring**  
A special sensor integrated in the front bezel continuously monitors the TFT panel's function (backlight, inverter, power supply and interface). Any malfunction is immediately detected. This feature simplifies maintenance and proofs the net uptime of the display unit in the field.
- **Dynamic Pixel Refreshing**  
A special system driving the TFT cells avoids image sticking and increases display lifetime.
- **Eco-friendly products**  
Driven by LED technology, the large screen displays feature a considerably lower energy consumption than conventional LCD/TFT displays, cutting the operational costs while protecting the environment.
- **Portrait & Landscape format**  
Designed for portrait and landscape mode to guarantee highest flexibility for all applications.
- **Network-Based Features**
  - Remote monitoring & diagnosis function
  - Scheduling & administration of content
  - Remote power on/off
  - Remote stand-by / power save mode
- **Definition of IP Protection**  
IP20 Protection against solid objects up to 12mm.

## ) PICTURES



Rear & Side View



Front View



Customised housing colours possible



## EYE-LCD-4700-24-LE

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### ) TECHNICAL SPECIFICATION

#### LCD PANEL

Active Screen Dimensions:	1039 × 584 mm (h × v)
Resolution:	1920 × 1080 Pixel
Viewing Angle:	178° (typ.)
Contrast ratio:	1300:1 (typ.)
Brightness:	700 cd/m <sup>2</sup> (typ.)
Colour Performance:	16.7 M colours simultaneously (full colour)
Response Time:	12 ms (grey to grey) (typ.)
24/7 Operation <sup>Ⓞ</sup> :	Yes

#### eMOTION ELECTRONICS

Horizontal Frequency:	15kHz – 90kHz
Vertical Frequency:	49Hz – 90Hz
Signal Timing Table:	640 × 400, 720 × 400, 640 × 480, 800 × 600, 1024 × 768, 1280 × 768, 1366 × 768, 1280 × 1024, 1600 × 1200, 1920 × 1080, 1920 × 1200, 2560 × 1440, 2560 × 1600 720i, 720p, 1080i (HDMI), 1080p (HDMI)

#### CONNECTORS & CONTROL

Video Inputs:	1× HDMI 1.4 (19pin standard HDMI), 1× Y/CVBS (Y in or CVBS in) for SD-Video (Cinch), 1× S-Video in (Y/C) for SD-Video (Mini-DIN)
PC Input:	1× DVI-I (VGA analog and dual link DVI) (24+5pin DVI), 1× DisplayPort 1.2 (20pin standard DisplayPort)
Serial Interface:	1× RS232 (full remote control and service) (9pin HDSUB)
Control:	IR remote control, On-screen display (OSD languages: German, English, French, Italian, Spanish and Russian), RS232

#### POWER SUPPLY

Input Voltage:	90V to 264V, 47Hz to 63Hz
Power Consumption:	TBD

#### ENVIRONMENTAL

IP Protection:	IP20
Operating Temperature:	0 – 40 °C
Temperature (non-operating):	-20°C to +60°C
Humidity:	10% to 90% (non-condensing)

#### MECHANICAL

Dimensions (W×H×D):	1072 × 617 × 66 mm
Bezel Width:	16 mm
Weight:	18 kg
VESA:	600 × 400 mm (M8)

#### COLOUR

Standard Colour Cabinet:	RAL 9005 (black), powder coated
Standard Colour Front Panel:	RAL 9005 (black), powder coated
Customised Colour:	On request

#### APPROVALS

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

#### ACCESSORIES

Accessories:	Operating manual (E/D), AC power cord (not for Outdoor Series), IR remote control
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<sup>Ⓞ</sup>When observing required terms and condition of operation



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