



# EYE-LCD-8500-QHD-LD

85-INCH 4K/ULTRA-HD@60Hz LCD MONITOR  
WITH DIRECT-LED BACKLIGHT



4K  
ULTRA-HD

60Hz

LED

## ) PRODUCT DESCRIPTION

eyevis new 85" Ultra-HD LCD EYE-LCD-8500-QHD-LD represents the latest state-of-the-art in the fields of professional 4K/Ultra-HD monitor solutions. With a pin-sharp resolution of 3840x2160 pixels and a frame rate of 60 Hz this new device delivers perfectly smooth and vivid images with high-quality contents. The huge colour gamut covering 100% NTSC, Direct-LED backlight technology and the adjustable colour temperature range further enhance the capabilities the display possibilities to meet with the requirements of any field of application. The device provides all high-quality features that eyevis products are well-known for, including a robust metal housing and highest reliability in demanding long-term operation.

### Application Possibilities:

- High-end digital signage applications
- High-end broadcast applications
- Security control rooms, display of multiple camera signals in native resolution on one screen
- Detailed process control in high resolution
- Designers / Design Engineers / Architects

## ) ADVANTAGES OF THE EYE-LCD-8500-QHD-LD

### ▪ Ultra-High Resolution & Image Representation

Quad-Full-HD/4K resolution 3,840x2,160px@60Hz

### ▪ High Brightness

500 cd/m<sup>2</sup> for best readability even in difficult ambient light conditions

### ▪ Ultra-Wide Viewing Angle

176 degree viewing angle horizontally & vertically

### ▪ Brilliant Colours

100% NTSC colour gamut, precise colour temperature setting



72% NTSC (Standard LCD)



100% NTSC (EYE-LCD-8500-QHD-LD)

### ▪ Uniform Images

Thanks to Direct-LED backlight technology

### ▪ Reliable Operation

All components designed for professional use in long-term operation.

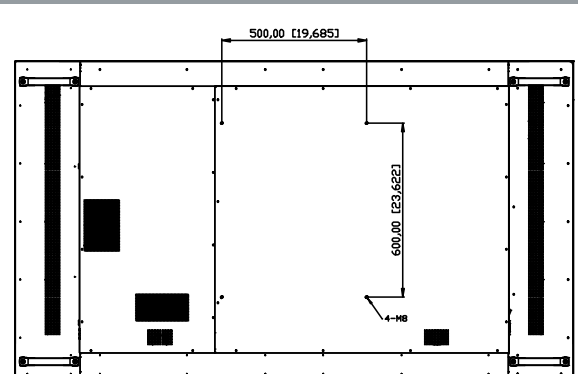
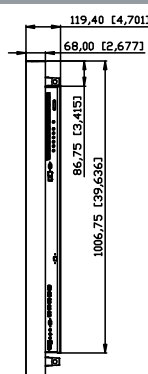
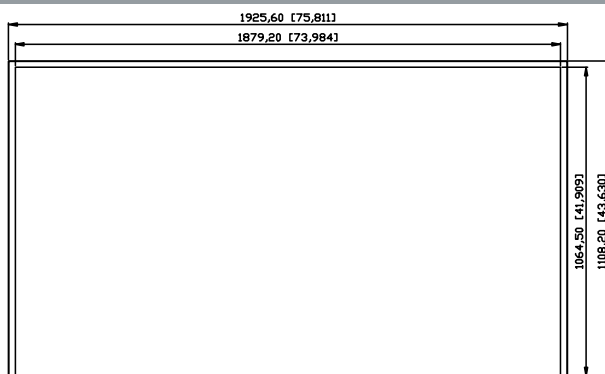
### ▪ Durable and Professional Design

All metal structure, sleek & low-key look that makes the content stand out.

### ▪ Landscape or Portrait Installation



## ) DRAWING



Unit: mm (inch)



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### ) TECHNICAL SPECIFICATION

#### LCD PANEL

Screen Size:	85" (ca. 216 cm)
Brightness:	500 cd/m <sup>2</sup> (typ.)
Contrast:	3000:1 (typ.)
Colours:	1.07 G Colours (10bit)
Display Frame Rate:	120 Hz
Response Time:	6.5 ms (typ.)
Local Dimming:	64 zones
Installation:	Landscape/Portrait
Viewing Angle:	176° H/V
Backlight:	Direct-LED
24/7 Operation <sup>1</sup> :	Yes (recommended operation 20/7)
MTBF:	30.000 h

#### CONNECTORS & CONTROL

Input Resolution <sup>2</sup> :	3840 x 2160 @ 60 Hz or less (Full-HD, QFHD, WUXGA, HD, others)
Connectors:	4x HDMI 1.4, 1x DisplayPort 1.2, 1x VGA
Audio Out:	2 ch. analog out / 5 ch. digital out
Communication Port:	RS-232C, Ethernet
OSD Control:	RS232C, Control Buttons, IR Remote Control
Picture in Picture (PIP):	Picture-in-Picture (PiP), Picture-by-Picture (PbP)
Video Wall Mode:	Yes (display of 4 windows in 2x2 configuration)

#### MECHANICAL

Dimensions:	1925.60 x 1108.20 x 119.40 mm / 75.81 x 43.63 x 4.70 inch
Weight:	95 kg (net)
VESA Mount:	400x500 / 600x500
Fanless Design:	Yes

#### ELECTRICAL

Power Consumption:	ca. 550 Watt (max.) / Stand-by: ≤0.5 Watt
Input Voltage:	110V – 240V AC, 50/60 Hz
Speaker:	4Ω/ 10W x 2 / Full range

#### ENVIRONMENTAL

Operating Temperature:	0 °C – 40 °C, 35% - 85% RH
Storage Temperature:	-20 °C – 60 °C, 35% - 85% RH

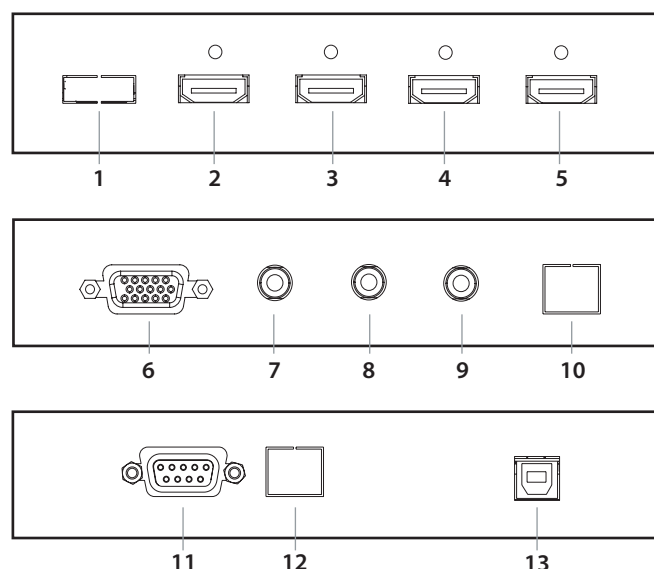
#### OPTIONS

Touch Surface:	Infrared multi-user touch system
Installation:	Metal stands, carts, wall-/ceiling-mounts
Housing Colour:	Customised frame colours and logo branding

<sup>1</sup> When observing required terms and condition of operation

<sup>2</sup> If supported by the signal source/graphic card on output side

### ) CONNECTORS



- |                |                          |
|----------------|--------------------------|
| 1. DisplayPort | 8. IR Extender           |
| 2. HDMI 1      | 9. Audio Out             |
| 3. HDMI 2      | 10. SPDIF Out            |
| 4. HDMI 3      | 11. RS232C               |
| 5. HDMI 4      | 12. Ethernet             |
| 6. VGA         | 13. Touch USB (optional) |
| 7. PC Audio In |                          |

### ) OPTIONAL FEATURES

#### OPS MODULE

##### Features:

- OPS-standard compliant eyevisProcessingUnit embedded in the device. The powerful EPU-versions can be used as digital signage players or to integrate the display device in eyevis' unique MetaWall concept for IP-based signal distribution and control

#### HD<sub>BASE</sub>T MODULE

##### Features:

- Use of Cat5e/Cat6 Ethernet cable with standard RJ-45 connector for video/audio/control/power transmission.

#### 3G-SDI MODULE

##### Features:

- Internal 3G/HD/SD-SDI Board
- Supported 3G formats (SMPTE 424M) 1080p@50/60Hz
- Looping out to other display
- Easy Install (Intel OPS Architecture Compliant)



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