



EYE-LCD-8500-QHD-LD-TOUCH(AG)-6IR

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



) PRODUCT DESCRIPTION

eyevis EYE-LCD-8500-QHD-LD-TOUCH-6IR represents the state-of-the-art in the fields of professional large format multi-touch 4K/Ultra-HD monitor solutions. With a pin-sharp resolution of 3840x2160 pixels and 60 Hz frame rate this new device delivers perfectly smooth and vivid images with high-quality contents. The precise IR touch system provides stable and intuitive interaction with the display. The huge colour gamut covering 100% NTSC, Direct-LED backlight technology, adjustable colour temperatures and an anti-glare display surface further enhance the capabilities of the device. The EYE-LCD-8500-QHD-LD-TOUCH-6IR 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 interactive digital signage applications
- Touch-table applications
- Visitor attraction and interactive information display
- Brand and product communication
- High-end broadcast applications
- Education and research
- Designers / Design Engineers / Architects

) ADVANTAGES OF THE EYE-LCD-8500-QHD-LD-TOUCH-6IR

▪ Ultra-High Resolution & Image Representation

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

▪ High Brightness

500 cd/m² for best readability even in difficult ambient light conditions

▪ Uniform Images

Thanks to Direct-LED backlight technology

▪ Multi-User Touch

Infrared touch surface with six simultaneous touch points.

- **ZeroParallax Touch Surface** with optical clear and pixel-perfect performance. Virtually no touch parallax effects. Robust, anti-glare Corning® Gorilla® glass.

▪ Brilliant Colours

100% NTSC colour gamut, precise colour temperature setting



▪ Reliable Operation

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

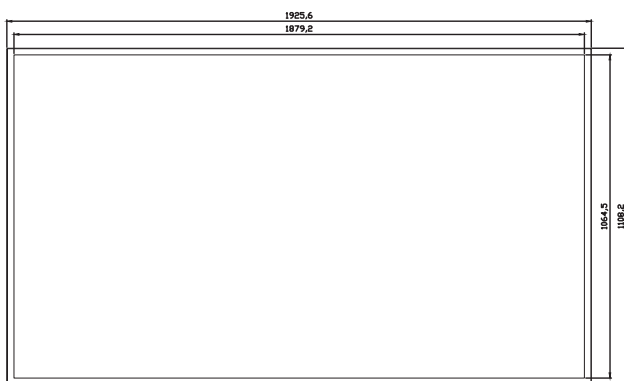
▪ Durable and Professional Design

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

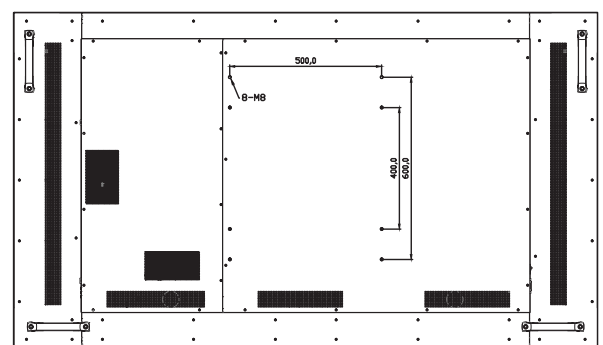
▪ Landscape or Portrait Installation



) DRAWING



Unit: mm





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TECHNICAL SPECIFICATION

LCD PANEL¹

Screen Size:	85" (ca. 216 cm)
Brightness:	500 cd/m ² (typ.)
Contrast:	3000:1 (typ.)
Backlight:	Direct-LED
Active Screen Area:	1872 (H) × 1053 (V) mm
Pixel Pitch:	0.4875 × 0.4875 mm
Colours:	1.07 G Colours (10bit)
Response Time:	6.5 ms (typ.)
Local Dimming:	64 zones
Installation:	Landscape/Portrait
Viewing Angle:	178° H/V
Backlight:	Direct-LED
24/7 Operation ² :	Yes
MTBF:	30.000 h

CONNECTORS & CONTROL

Input Resolution ³ :	3840×2160@60 Hz or less (Full-HD, QFHD, WUXGA, HD, others)
Connectors:	4x HDMI 1.4, 1x DisplayPort 1.2, 1x VGA
Expansion Slot:	OPS standardized input slot for OPS-PC and additional inputs
Power Management:	VESA DPMS
Audio Out:	2 ch. analog out / 5 ch. digital out
Communication Port:	RS-232C, Ethernet
Colour Adjustment:	3200K, 5000K, 6500K, 7500K, 9300K, User
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)

TOUCH SYSTEM

Touch Sensor:	High Resolution IR (6 simultaneous touch points)
Touch Communication:	1x USB 2.0 (Type B)
Glass:	Zero Parallax with 1.9 mm Corning® Gorilla® glass. Anti-glare coating (front), 9% Haze 4H Hardness.

MECHANICAL

Dimensions:	1925.6 × 1108.2 × 119.5 mm (W × H × D)
Weight:	ca. 110 kg (net)
VESA Mount:	400×500 / 600×500
Fanless Design:	Yes

ELECTRICAL

Power Consumption:	550 Watt (max.) / Stand-by: ≤0.5 Watt
Input Voltage:	110V – 240V AC, 50/60 Hz
Bezel Widths:	21 mm (all sides)
Speaker:	4Ω / 2x 10W / Full Range

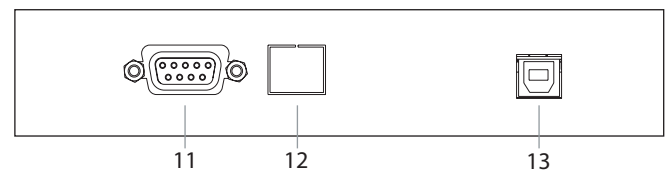
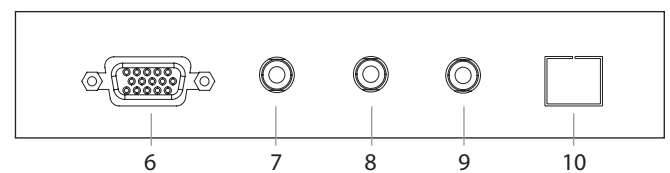
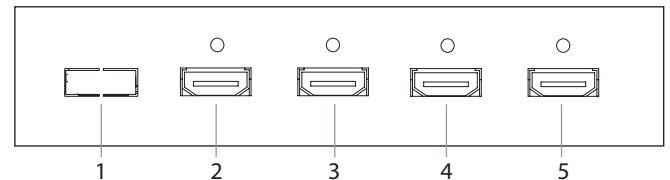
ENVIRONMENTAL

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

OPTIONS

Installation:	Metal stands, carts, wall-/ceiling-mounts
Housing Colour:	Customised frame colours and logo branding

CONNECTORS



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

OPTIONAL ACCESSORIES

EPU 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 eyeCON® EPU-Wall concept for IP-based signal distribution and control

HD_{BASE}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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¹ Optical specification without cover glass

² When observing required terms and condition of operation

³ If supported by the signal source/graphic card on output side