



# ePANEL-S- 0.9/ -1.2 / -1.5 / -1.9

ULTRA-FINE PIXEL-PITCH LED MODULES  
WITH FRONT ACCESS

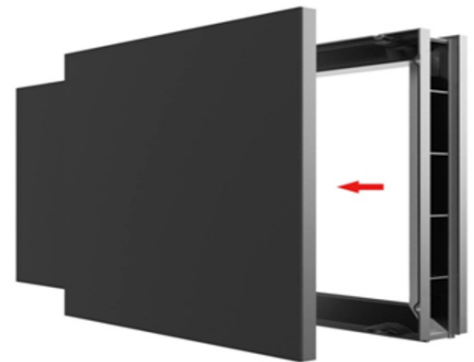


## ) PRODUCT DESCRIPTION

The products from our latest ePANEL-S series are narrow pixel pitch LED modules for high resolution video wall applications with the possibility to perform service and maintenance works from the front. Hence, the video wall can be mounted directly to the building wall without the need for additional space on the rear side. Through an intelligent, touch-free mechanism the LED modules are released to the front by a motorized system. A special tool makes this even possible in case of a total failure including lack of electricity.

With the new ePANEL-S versions all connectors for daisy-chaining power and signals from one module to the other are already integrated inside the housings. So there is no visible cabling on the back of the video wall. For redundancy this connection is realised in a fail-safe way, using a main and a backup chain at the same time.

The modules are ideally suited for applications that require a pin-sharp, seamless and high-quality display of videos and images as in retail applications, TV studios, and mission-critical control rooms. Best brightness and contrast, a wide color gamut, and uniform appearance thanks to comprehensive calibration measurements further enhance the capabilities of the modules. Their 16:9 aspect ratio allows the simple setup of any Full-HD or Ultra-HD configuration and beyond.



## ) THE ADVANTAGES AT A GLANCE

- Bezel-free 16:9 modules for native 1080p, 4K and customized LED video walls
- Smart maintenance through intelligent front-service mechanism
- Automatic calibration
- Hanging installations possible
- High protection
- Effective heat dissipation
- V-shape housing structure allows concave walls up to 5 degree
- Double-backup connections for power and signal
- Wall-mountable thanks to integrated connectors
- Super fine pixel pitch from 0.9 to 1.9 mm
- 16-bit colour depth
- Low power consumption and noise-free operation

## ) SMART MAINTENANCE FRONT ACCESS



- Magnetic release mechanism, no need to touch the LED modules



- Defect module is driven to the front through a motorized mechanism



- When released, the module can be easily dismantled



## ePANEL-S -0.9/ -1.2 / -1.5 / -1.9

ULTRA-FINE PIXEL-PITCH LED MODULES WITH FRONT ACCESS

### ) TECHNICAL SPECIFICATION

LED PANEL	ePANEL-0.9	ePANEL-1.2	ePANEL-1.5	ePANEL-1.9
Pixel Pitch:	0.953mm	1.27mm	1.588mm	1.906mm
LED Type:	Black SMD 3-in-1	Black SMD 3-in-1	Black SMD 3-in-1	Black SMD 3-in-1
Brightness:	600 cd/m <sup>2</sup> (After calibration)	800 cd/m <sup>2</sup> (After calibration)	800 cd/m <sup>2</sup> (After calibration)	800 cd/m <sup>2</sup> (After calibration)
Colour Temperature:	adjustable (1000K to 9500K)	adjustable (1000K to 9500K)	adjustable (1000K to 9500K)	adjustable (1000K to 9500K)
Viewing Angle:	H: 165°   V:165°	H: 165°   V:165°	H: 165°   V:165°	H: 165°   V:165°
Pixel Density:	1,101,068 pixels/m <sup>2</sup>	619,350 pixels/m <sup>2</sup>	406,588 pixels/m <sup>2</sup>	275,267 pixels/m <sup>2</sup>
Aspect Ratio:	16:9	16:9	16:9	16:9
Pixels per Module:	640x360	480x270	384x216	320x180
Processing Depth:	16 bits	16 bits	16 bits	16 bits
Gray Scale:	65536 levels per colour	65536 levels per colour	65536 levels per colour	65536 levels per colour
Brightness Control:	Manual/Automatic	Manual/Automatic	Manual/Automatic	Manual/Automatic
Video Frame Rate:	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rate Refresh:	3840 Hz	3840 Hz	3840 Hz	3840 Hz
Input Signal:	DVI / HDMI	DVI / HDMI	DVI / HDMI	DVI / HDMI
Data / Power Interconnection:	Integrated	Integrated	Integrated	Integrated

### MECHANICAL

Board Size:	152.48mmx171.54mm	152.48mmx171.54mm	152.48mmx171.54mm	152.48mmx171.54mm
Module Size (WxHxD):	609.92mmx343.08mmx75mm	609.92mmx343.08mmx75mm	609.92mmx343.08mmx75mm	609.92mmx343.08mmx75mm
Area:	0.209 m <sup>2</sup>	0.209 m <sup>2</sup>	0.209 m <sup>2</sup>	0.209 m <sup>2</sup>
Weight/Module:	7.5 kg	7.5 kg	7.5 kg	7.5 kg
Maintenance:	Full Front-Access	Full Front-Access	Full Front-Access	Full Front-Access
Material:	Die-casting Aluminium	Die-casting Aluminium	Die-casting Aluminium	Die-casting Aluminium

### ELECTRICAL

Input Voltage:	110~220VAC±15%	110~220VAC±15%	110~220VAC±15%	110~220VAC±15%
Input Power Frequency:	50~60 Hz	50~60 Hz	50~60 Hz	50~60 Hz
Power Consumption/Module:	max. 178W   typ. 59W	max. 165W   typ. 55W	max. 182W   typ. 60.8W	max. 178W   typ. 59W
Power Consumption/m <sup>2</sup> :	max. 850W   typ. 283W	max. 798W   typ. 266W	max. 870W   typ. 290W	max. 852W   typ. 284W

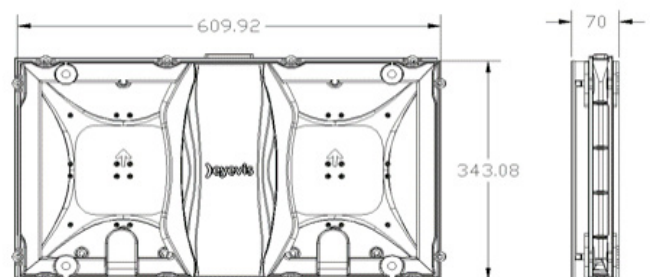
### ENVIRONMENTAL

Operating Temperature   Humidity:	0°~+45°   10~90%RH	0°~+45°   10~90%RH	0°~+45°   10~90%RH	0°~+45°   10~90%RH
Storage Temperature   Humidity:	-10°~+55°   10~90%RH	-10°~+55°   10~90%RH	-10°~+55°   10~90%RH	-10°~+55°   10~90%RH
Life Time:	≥100,000 Hours	≥100,000 Hours	≥100,000 Hours	≥100,000 Hours

### COMPLIANCE

Certificates:	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS
---------------	----------	----------	----------	----------

### ) DRAWING



eyevis GmbH

Hundschleesstrasse 23 • 72766 Reutlingen • Germany  
 Phone: + 49 (0) 7121 43303 - 0 • Fax: + 49 (0) 7121 43303 - 22  
 www.eyevis.de • info@eyevis.de

As at: 15.02.2017 / V1.0 • Specifications are subject to change without prior notice!  
 All trademarks and registered trademarks are the property of their respective owners.  
 Copyright © 2017 eyevis GmbH. All rights reserved.