HLED-AP

Intelligent Front Access 16:9 LED Display Unit
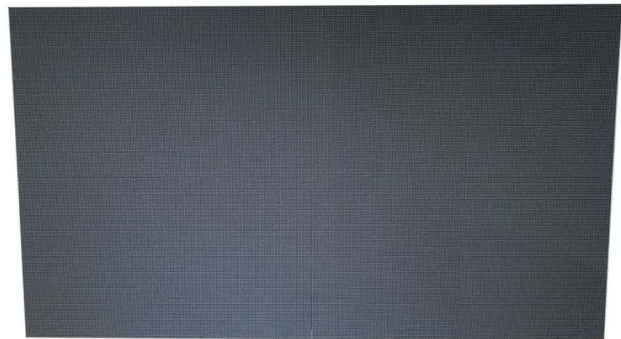
HANMAC
HLED

Features

- **Ultra-thin and lightweight panel**

  Cabinet size design as 16:9, 43.5mm in thickness and 20kg/m2 in weight for better experience

- **Super 4K/8K visual experience**

  Product featuring a variety of pixel pitches to provide with more high-definition choice

- **Amazing color management technology**

  Professional color management technology makes the color of HLED-AP series more textured and natural

- **High grayscale at low brightness**

  It supports high grayscale display at low bright and detail can be revealed even in low brightness condition

- **Efficient dynamic energy-saving technology**

  Automatically turn on the dynamic energy-saving mode to achieve different energy-saving effects in standby and working states

- **Optional dual backup version**

  Provide optional dual backup power supply units to ensure continuous transmission of signal and power supply

- **Flexible 45° edge-cutting small panel**

  Special 45° edge-cutting small panel provides more possibilities to creativity

- **Creative and refined curves**

  Support concave and convex splicing to meet the various needs of customers

- **Seamless and elegant L-shape splicing**

  The small panels can make a right angle to create stunning and seamless L-shapes

- **A whole new level of flatness and neatness**

  With high-precision floating connectors, positioning copper column and X/Y/Z axis alignment, flatness is improved multidimensionally HLED-AP series adopts a hidden wiring design for neat lock in the back

- **Ergonomic design and easy installation**

  Ergonomic handles and anti-collision design for save, fast and easy installation

- **Slim standard wall-mounting solution**

  Standards wall-mounting solution with a thickness of less than 80mm, space-saving and beautiful

- **Supports hanging and stacking installation**

  Also provides hanging bar installation and steel structure stacking installation solutions to fit in all use scenarios

- **Ultra-thin and textured trim pieces**

  Metal spraying ultra-thin standard trim pieces solution for enhanced look and esthetic feeling

- **Convenient full font maintenance**

  It supports full font maintenance, requires no special maintenance channels and save more spare

- **Innovative rotary clamshell design**

  Innovative rotary clamshell back cover for easy rear maintenance of modules, power supply, receiving card

- **Strict aging test before delivery**

  72hours aging of all LED screen, make sure high stable quality for our clients: No LED dead, no dimming LED, no color difference

Cabinet Show

Parameters

	MODEL	HLED-AP1.5	HLED-AP1.9	HLED-AP2.5	HLED-AP3.8
MODULE	Pixel Pitch (mm)	1.5	1.87	2.5	3.75
	Module Size (mm)	240x270			
	Module Resolution	160x180	128x144	96x108	64x72
	LED configuration	3in1 1R1G1B			
	LED Type	SMD1212	SMD1515	SMD1515	SMD1515
CABINET	Cabinet size (mm)	960x540x43.5/ 240x540x43.5			
	Cabinet Resolution	640x360/ 160x360	512x388/ 128x288	384x216/ 96x216	256x144/ 64x144
	Material	Die-casting Aluminum Cabinet			
	Cabinet Weight (Kg)	10/ 2.6			
	IP Grade	IP40/ IP21			
	Service Access	Full Front Access			
	Network Interface	RJ-45; 1Gbps			
	Panel included	Receiver Card, Dual Power Supply, Cables, Accessories			
DISPLAY	Pixel Density (Pixel / m2)	444,444	284,444	160,000	71,111
	Brightness (cd/m2)	800			
	Refresh Rate (Hz)	3,840			
	Gray Level (bit)	16			
	Power Consumption (Max./ Avg., W/m2)	480/ 160	420/ 140	450/ 150	480/ 160
	Viewing Angle	H:160° V: 160°			
	Driving Mode	1 /45	1/36	1/27	1/18
	Life Span (Hours)	100,000			
	Operation hour	24/7/365			
	AC Operating voltage (V)	100 ~ 240 (50/60Hz)			
	DC Output (V)	3.8-5 (60A)			
	Operation Temp/ Humidity	-10 ~ +40^{0}C / 10% ~ 80% RH			

Storage Temp/Humidity	–40 ~ +60^{0}C / 10% ~ 85% RH			
Contrast ratio	4000:1	4000:1	4500:1	5000:1
HDR	HDR10 and HDR10+			
Dimming	0 – 100%			
Color Temperature (K)	6,500			
Color Processing	281 trillion			
Brightness/ Color Uniformity	≥98%			
Light pixel Centerline Space Difference	<1%			
Mount system	Configurable mounting solution available to order (Option)			
Best Viewing Distance (m)	1.5 ~ 50	1.8 ~ 50	2.5 ~ 50	3.8 ~ 50
Certification	UL, ETL, CE, CB, KC			