

PRODUCT PARAMETER

E0 | HIGH WEATHER RESISTANCE - OUTDOOR LED DISPLAY

Item	YH-D16-E0	YH-DT4-E0	YH-DT5-E0	YH-DT6.67-E0	YH-DT8-E0	YH-DT10-E0
Pixel Pitch	16 mm	4 mm	5 mm	6.67 mm	8 mm	10 mm
LED Type	DIP	SMD	SMD	SMD	SMD	SMD
Pixel Density	3906 px/m ²	62500 px/m ²	40000 px/m ²	22500 px/m ²	15625 px/m ²	10000 px/m ²
Module Dimension	480×320 mm	480×320 mm	480×320 mm	480×320 mm	480×320 mm	480×320 mm
Module Resolution	30×20 px	120×80 px	96×64 px	72×48 px	60×40 px	48×32 px
Cabinet Dimension	960×960×111 mm	960×960×101.5 mm	960×960×101.5 mm	960×960×104 mm	960×960×104 mm	960×960×104 mm
Cabinet Resolution	60×60 px	240×240 px	192×192 px	144×144 px	120×120 px	96×96 px
Cabinet Weight	26±1 kg	23±1 kg	23±1 kg	23±1 kg	23±1 kg	23±1 kg
Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Brightness	≥8000 nits	≥5500 nits	≥5500 nits	≥6000 nits	≥6000 nits	≥6000 nits
Refresh Rate	1920~3840 Hz	1920~3840 Hz	1920~3840 Hz	1920~3840 Hz	1920~3840 Hz	1920~3840 Hz
Gray Scale	≥14 bit	≥14 bit	≥14 bit	≥14 bit	≥14 bit	≥14 bit
Viewing Angle	H140° / V60°	H140° / V120°	H140° / V120°	H140° / V120°	H140° / V120°	H140° / V120°
Contrast Ratio	≥3000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Driving Method	static	1/8 S	1/8 S	1/6 S	1/4 S	1/2 S
Colour Temperature	6000~8500 K	6000~8500 K	6000~8500 K	6000~8500 K	6000~8500 K	6000~8500 K
Ingress Protection	IP65	IP65	IP65	IP65	IP65	IP65
Max. Power Consumption	450 W/m ²	700 W/m ²	700 W/m ²	700 W/m ²	700 W/m ²	700 W/m ²
Avg. Power Consumption	150 W/m ²	250 W/m ²	250 W/m ²	250 W/m ²	250 W/m ²	250 W/m ²
Maintenance	Front/Rear Access	Front/Rear Access	Front/Rear Access	Front/Rear Access	Front/Rear Access	Front/Rear Access
Working Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C
Working Humidity	10~90% RH	10~90% RH	10~90% RH	10~90% RH	10~90% RH	10~90% RH
Storage Temperature	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C

Item	YH-DT3.91-E0	YH-DT4.81-E0	YH-DT6.25-E0	YH-DT7.81-E0	YH-DT10.42-E0
Pixel Pitch	3.91 mm	4.81 mm	6.25 mm	7.81 mm	10.42 mm
LED Type	SMD	SMD	SMD	SMD	SMD
Pixel Density	65536 px/m ²	43264 px/m ²	25600 px/m ²	16384 px/m ²	9216 px/m ²
Module Dimension	500×250 mm	500×250 mm	500×250 mm	500×250 mm	500×250 mm
Module Resolution	128×64 px	104×52 px	80×40 px	64×32 px	48×24 px
Cabinet Dimension	1000×1000×98 mm	1000×1000×98 mm	1000×1000×100 mm	1000×1000×100 mm	1000×1000×100 mm
Cabinet Resolution	256×256 px	208×208 px	160×160px	128×128 px	96×96 px
Cabinet Weight	25±1 kg	25±1 kg	25±1 kg	25±1 kg	25±1 kg
Cabinet Material	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Brightness	≥4500 nits	≥5500 nits	≥6000 nits	≥6000 nits	≥6000 nits
Refresh Rate	1920~3840 Hz	1920~3840 Hz	1920~3840 Hz	1920~3840 Hz	1920~3840 Hz
Gray Scale	≥14 bit	≥14 bit	≥14 bit	≥14 bit	≥14 bit
Viewing Angle	H140° / V120°	H140° / V120°	H140° / V120°	H140° / V120°	H140° / V120°
Contrast Ratio	≥5000:1	≥5000:1	≥5000:1	≥5000:1	≥5000:1
Driving Method	1/16 S	1/8 S	1/6 S	1/4 S	1/2 S
Colour Temperature	6000~8500 K	6000~8500 K	6000~8500 K	6000~8500 K	6000~8500 K
Ingress Protection	IP65	IP65	IP65	IP65	IP65
Max. Power Consumption	700 W/m ²	700 W/m ²	700 W/m ²	700 W/m ²	700 W/m ²
Avg. Power Consumption	250 W/m ²	250 W/m ²	250 W/m ²	250 W/m ²	250 W/m ²
Maintenance	Front/Rear Access	Front/Rear Access	Front/Rear Access	Front/Rear Access	Front/Rear Access
Working Temperature	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C	-20°C~50°C
Working Humidity	10~90% RH	10~90% RH	10~90% RH	10~90% RH	10~90% RH
Storage Temperature	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C	-40°C~80°C

E0
SERIES

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Yextreme series | E0

**HIGH WEATHER RESISTANCE
OUTDOOR LED DISPLAY**

Transform Your Idea into Reality



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YAHAM
Yaham Optoelectronics Co., Ltd

IP65 HIGH PROTECTION ULTRA-LIGHT AND SLIM DESIGN

Aluminum profile cabinet
Standardized
outdoor LED display

E0 series

E: the abbreviation for Extreme, indicates that the series is featured with high protection to operate in extreme weather. E0 series is a new light and slim outdoor led display with standardized design. E0 series integrates high sealed module design, IP65 for both front and rear, high strength Aluminum profile etc which can keep a long term stable work in various harsh outdoor conditions. It can be used in stadiums, outdoor media advertisements, street sign etc.



CORE ADVANTANGES

E0 | HIGH WEATHER RESISTANCE - OUTDOOR LED DISPLAY

▶ 01 / HIGH PROTECTION Front&rear IP65

The module adopts waterproof design. With Cabinet back cover enclosed protection deisgn, it has better waterproof, dustproof, moistureproof effect.



▶ 02 / LIGHT WEIGHT 23 kg Ultra light design

Aluminum profile cabinet with CNC machined to ensure high precision and flatness, improving installation efficiency and saving transportation costs.

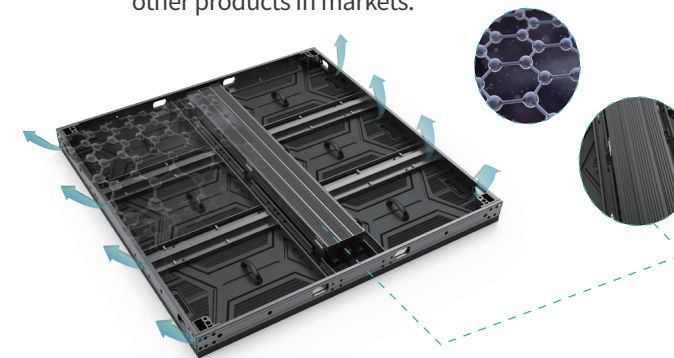


E0 cabinet weighs only 23kg. One-person installation and maintenance.

EFFICIENT HEAT DISSIPATION / 03 ◀

Graphene heat dissipation technology

Both the cabinet and module are designed with heat dissipation ribs and exclusive Graphene thermal grease material, better heat dissipation effect than other products in markets.



▶ 04 / CONVENIENT FRONT-REAR SERVICE

It supports front-rear service. Module adopts fast lock to have more convenient installation and dismantlement.



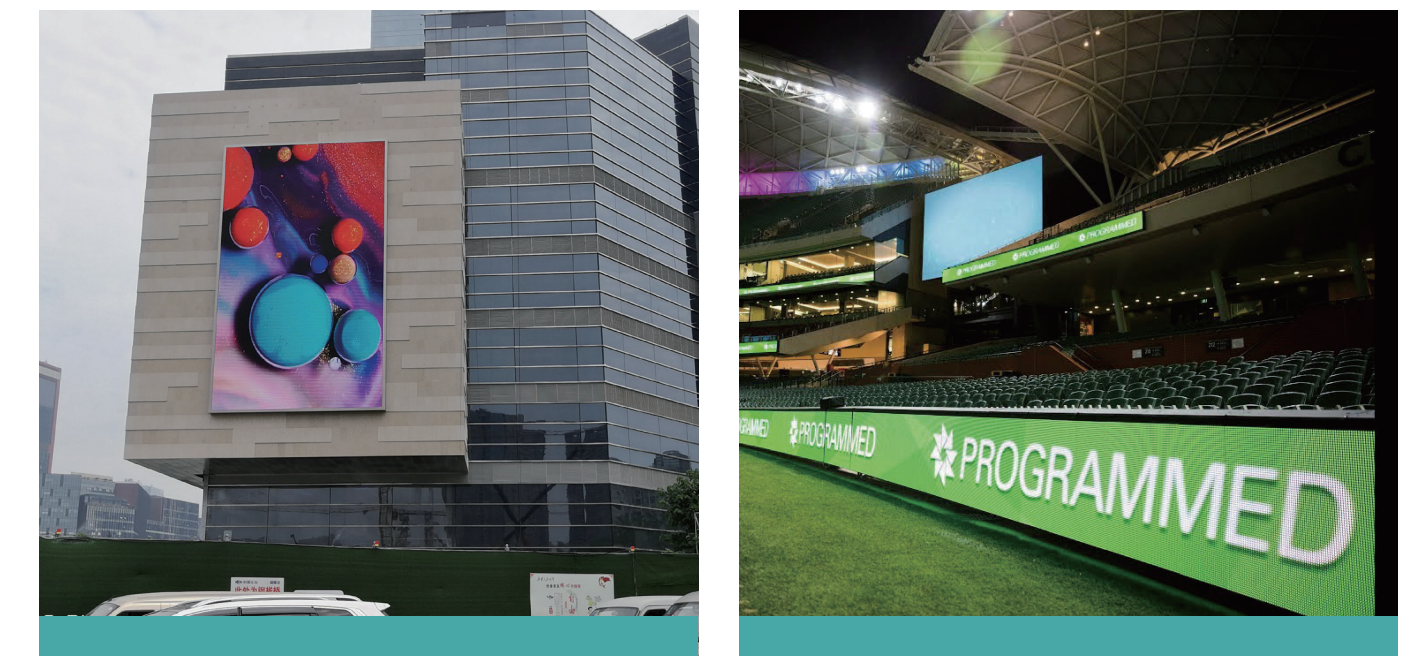
SUPPORT SPORT DISPLAY / 05 ◀

The cabinet can be directly installed with special protection mask and support feet, then used in stadiums. The inclination of the screen can be freely adjusted between 65°-90° to ensure the best visual experience. The cabinet is 2cm above the ground to avoid lamp collision and water, which is safer and more stable.



PRODUCT APPLICATION

E0 | HIGH WEATHER RESISTANCE - OUTDOOR LED DISPLAY



E0 series is designed with IP65 for both front and rear, which can keep a long term stable work in various harsh outdoor conditions. It can be used in stadiums, outdoor media advertisements, street sign etc.