

# Halo

Optimized for all seasons  
Korean outdoor product,  
excellent price

Can be used safely  
in various climate changes.



**Panel Size**  
960 x 960 mm

**#IP66 # Highest Fire Resistance Grade 5VB #Economical Price #Front and Rear Maintenance**

**Pixel Pitch**  
p6.6 | p8 | P10

**Usage**  
#High-quality outdoor advertising #Coastal areas #Extreme environments

## Moisture ·Dust Protection

### Perfect waterproof and dustproof without even a pinhole IP66

#### 1,2 Generation Old Products



Older generation products have a very high failure rate due to continuous ingress of moisture and dust .

#### 4thGeneration Halo



Designed with a structure that completely blocks moisture and dust, it can be used without problems in humid environments , typhoons, or snowstorms .

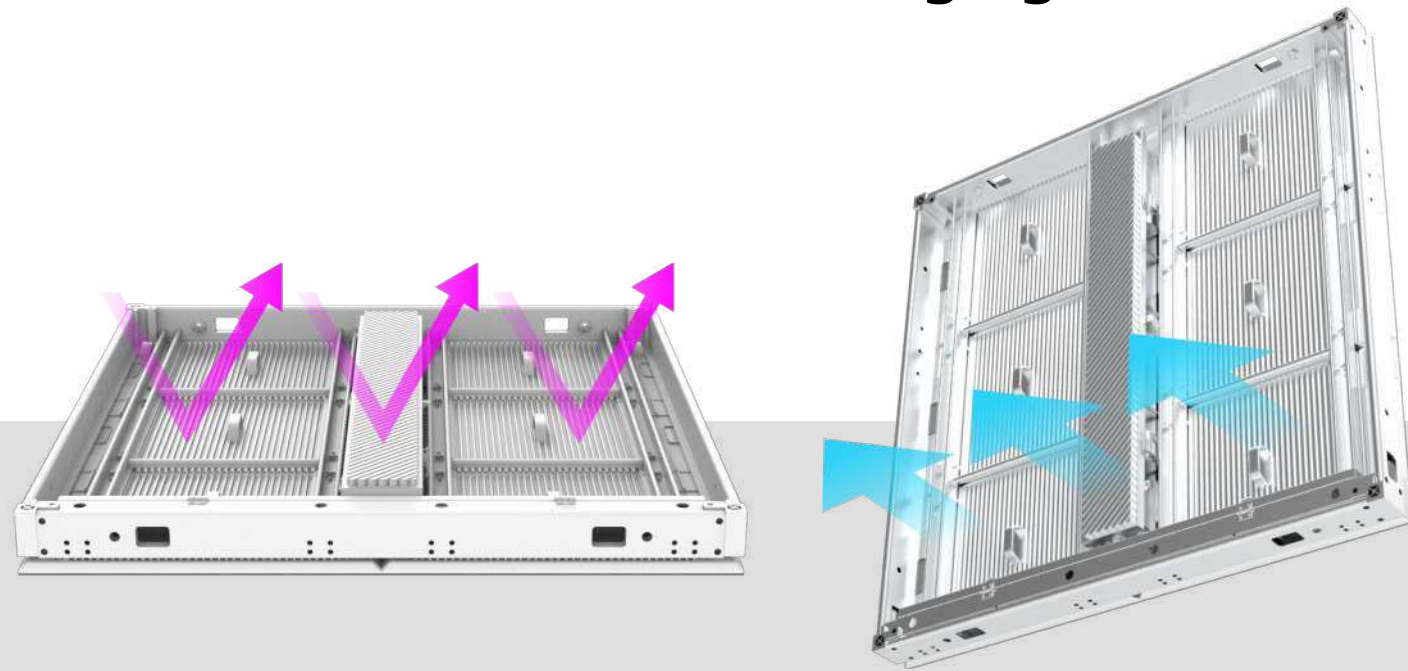
### Feel safe to use in any environment now



**We have solved the concerns of the past.**  
The biggest concern for screens used outdoors was frequent break-downs . This is because moisture , dust , salt , etc. continuously infiltrate and reduce the durability of electrical and electronic components .  
Halo is an excellent product that can be used without worrying about breakdowns in any environment .

### Fast heat dissipation speed

## Dual cooling function to prevent malfunction and aging



#### Light Reflective White Coating

Painted all parts in white to increase light reflectivity , preventing failures due to heat .

#### Full Aluminum including the module

Made entirely of aluminum, including the module, for very fast heat dissipation. Heat is quickly dispersed, contributing to maintaining the device's performance.

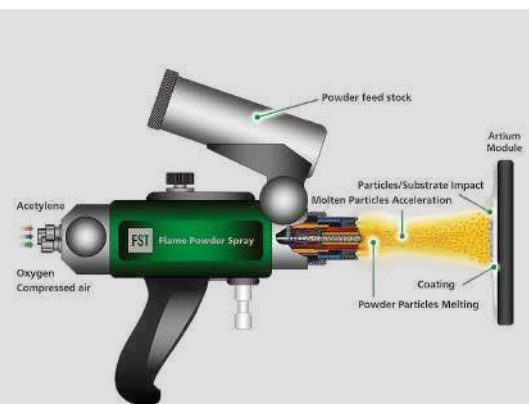
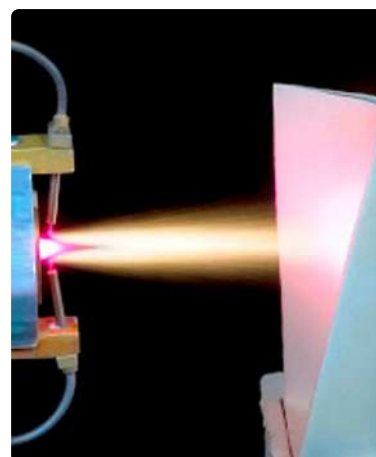
### Front and rear maintenance

## Easy design and convenient bidirectional maintenance



Since front and rear maintenance is possible, you can decide the maintenance direction that suits the site. In environments with limited space utilization and accessibility, the efficiency and flexibility of LED displays are greatly improved.

### Special Coating Resistant to Salt



#### Thermal spray coating?

Thermal Spray Coating is an ultra-high-strength painting technology used for marine structures and ships .

Halo products are absolutely corrosion-resistant even in high-salinity coastal environments .

### Protect the product with louver design and increase contrast



#### What is a louver?

It refers to the part that is higher than the lamp between the LED lamps. It protects the lamp from direct impact , and blocks sunlight from hitting the lamp, thereby increasing the contrast ratio of the screen even outdoors .

#### Appropriate louver height for the environment?

Louvers can be applied and removed to emphasize advantages suitable for site conditions. Applying louvers increases durability and contrast ratio, while removing them enhances vertical viewing angles.



## Flame retardant material

### Fire-resistant 5VB

#### Non-flame retardant material



General products do not use flame retardant materials, so a spark or short circuit can cause a fire across the entire screen.



#### Halo



Even in the event of a spark or short circuit, there is absolutely no risk of fire, making it very safe.

**In any situation, there is absolutely no risk of fire.**



#### What is the 5VB flame retardant rating?

As one of the criteria for evaluating the flame retardancy of materials, we measure the ignition resistance, and combustion speed. Halo is manufactured with a very high flame retardant rating, so there is no concern about fire.

Flame retardant rating comparison: 5VB > V0, V1, V2, HB



Dosan150 Seonkeun Garden  
Halo p6.6

#### Halo Economy Specification

Product	Halo Economy p6.6	Halo Economy p8	Halo Economy p10
Pixel Pitch	6.66 mm	8 mm	10 mm
Brightness	5,500 nits	6,000 nits	6,000 nits
Module Size	480 x 320 mm	480 x 320 mm	480 x 320 mm
Panel Size	960 x 960 mm	960 x 960 mm	960 x 960 mm
Panel Resolution	144 x 144 px	120 x 120 px	96 x 96 px
Refresh Rate	3,840 Hz ( Option: 7,680 Hz)	3,840 Hz ( Option: 7,680 Hz)	3,840 Hz ( Option: 7,680 Hz)
Viewing Angle	140° / 90° (H, V)	140° / 90° (H, V)	140° / 90° (H, V)
Weight	29.5 kg/sqm	29.5 kg/sqm	29.5 kg/sqm
IP Rating	IP66	IP66	IP66
Working Temperature	-30~65°C	-30~65°C	-30~65°C
Humidity	10~90%	10~90%	10~90%
Maintenance	Front & Rear	Front & Rear	Front & Rear
Power Consumption	Max. 600   Avg. 200 w/sqm	Max. 600   Avg. 200 w/sqm	Max. 600   Avg. 200 w/sqm
Input Voltage	AC100~240V 50/60Hz	AC100~240V 50/60Hz	AC100~240V 50/60Hz
Life Span	100,000 hours	100,000 hours	100,000 hours

#### Halo Pro Specification

Product	Halo Pro p6.6	Halo Pro p8	Halo Pro p10
Brightness	*9,000 nits	*10,000 nits	*10,000 nits

\*The Halo Economy and Pro models only differ in brightness, with all other specifications being the same.