

The logo for Abletec, featuring the word "Abletec" in a bold, red, italicized sans-serif font. The letter 'A' is stylized with a small red star-like symbol above it.

**Abletec**

# Holographic Invisible Screen

Series M



CE FC CCC CB RoHS ENEC FSC EMC



### Transparent and invisible whole screen

The whole screen is transparent without frame; it is seamlessly spliced in a large area; the back side is invisible without floodlight.

### Holographic 3D suspension images

Display effect of 3D holographic and spatial suspension images.

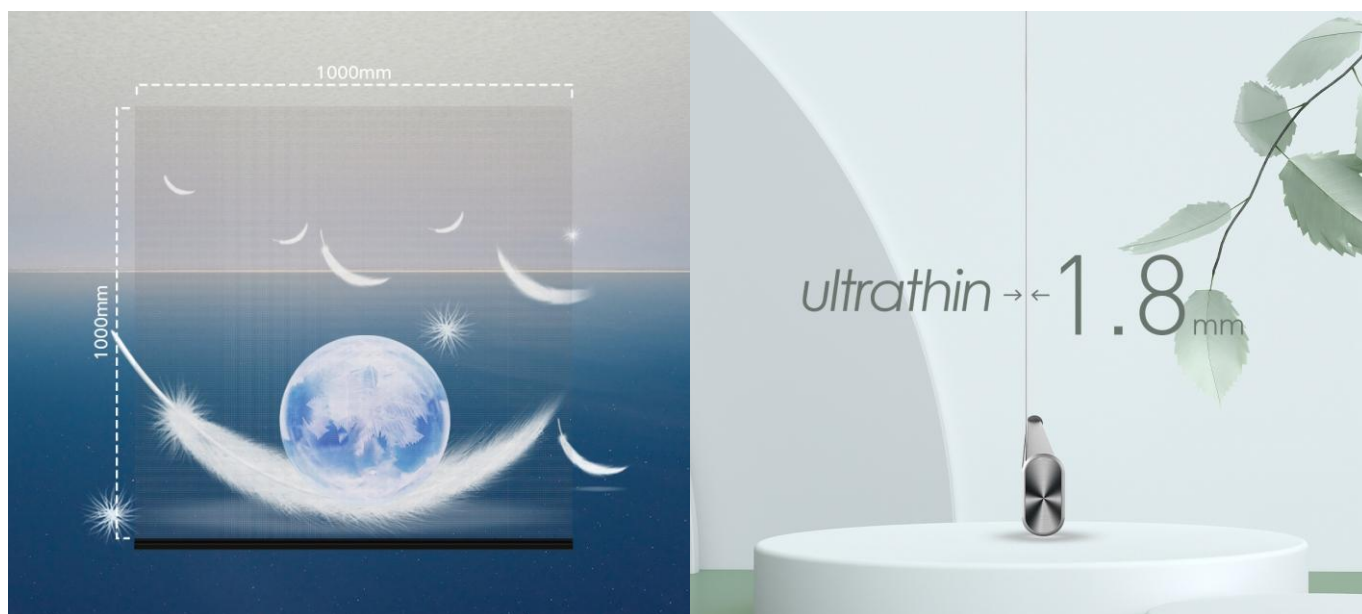


### Transparent and excellent image quality

Equally spaced pixel layout for high-definition image quality; static scanning with combined diver board for table images; 16bit gray scale with exquisite colors.

### High brightness & high contrast

9,000:1 (high contrast),  
5,000cd/m<sup>2</sup> (high brightness),  
dazzling and eye-catching.

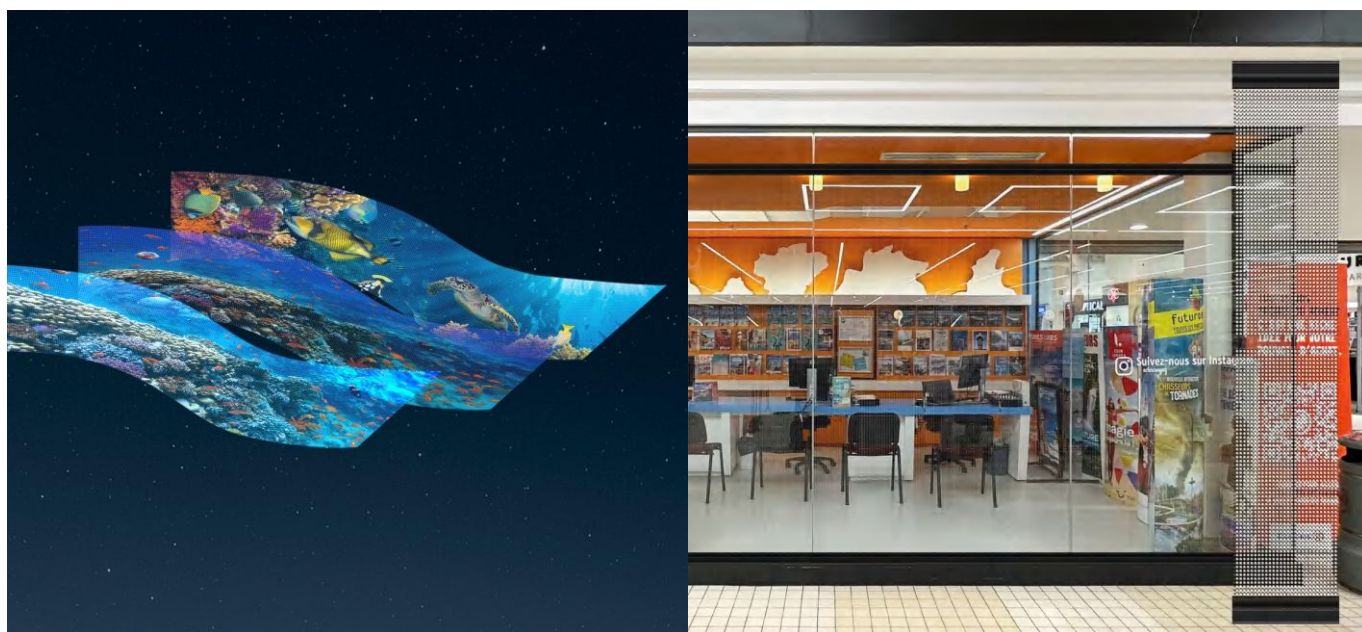


### Light weight of 6kg/m<sup>2</sup>

With professional aesthetic design, the display screen is lightweight and beautiful and weighs only 6kg/m<sup>2</sup>.

### As thin as 1.8mm

The thickness of the screen is less than 2mm, and it is seamlessly attached on a curved surface to show an integral whole on the transparent glass.



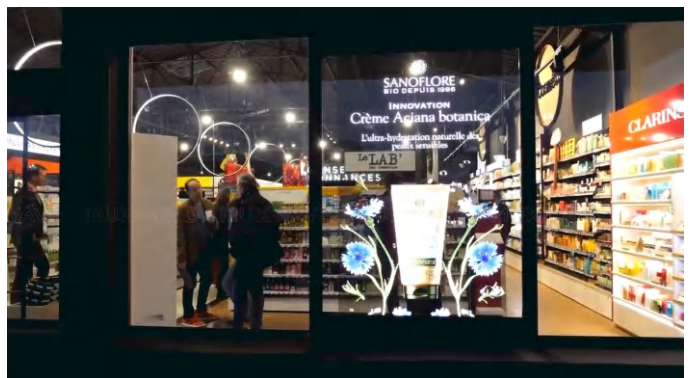
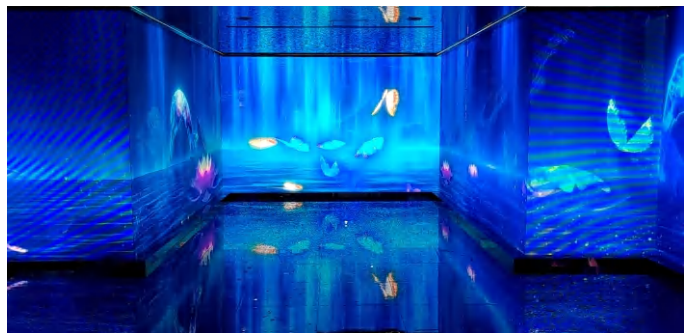
### Flexible

Standard module can be bent and skillful applications. It is the best partner of curved glass and irregular screens.

### Minimal installation and maintenance

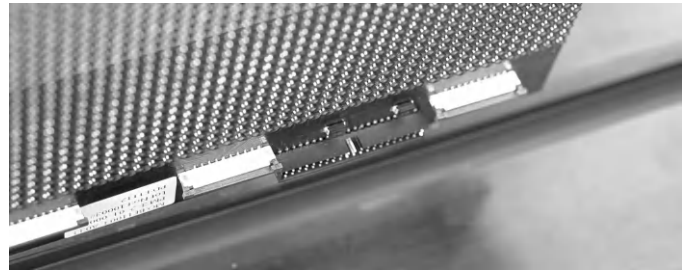
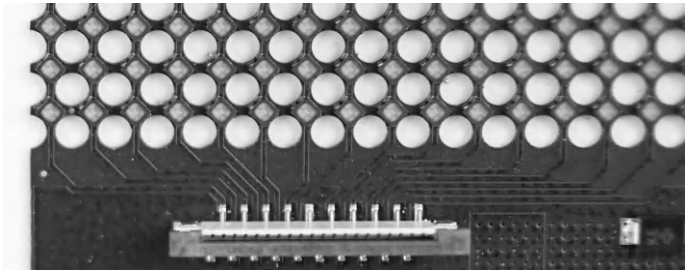
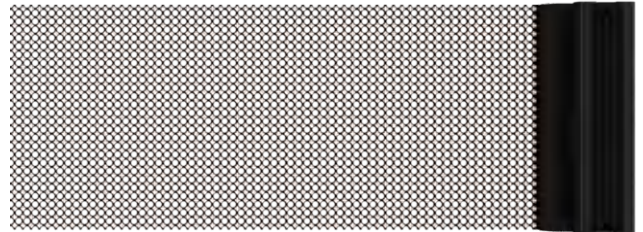
The product is modular and can be directly attached to the front or back side of transparent glass without damaging the original structure of the building or affecting indoor lighting.

Holographic invisible screen products can realize different creative customized shapes such as flat and curved surfaces according to customer on-site needs, and can be widely used in commercial complex digital landscapes, airports, high-speed rail and subway station landmark digital landscapes, retail flagship store brand images, government And various occasions such as digital display in corporate exhibition halls, high-end brand exhibition halls, hotel creative applications, etc.



## Holographic Invisible Screen • Series M

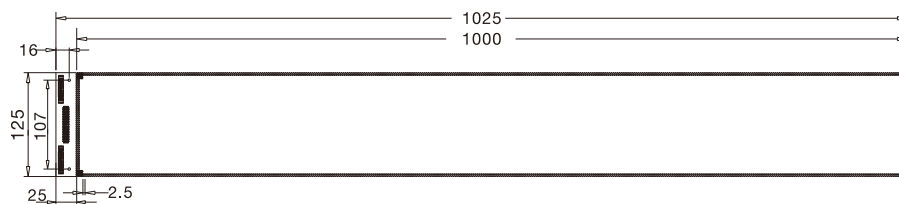
Ultra-clear and ultra-thin, high-transparency and high-temperature resistant high-end materials are used. The light board is perfectly designed to easily achieve a permeability of up to 80%. The overall mounting without a structural skeleton, the screen body can be spliced left and right, up and down, and can achieve a display height or width of 2.4-3 meters. Commercial window, glass curtain wall and other indoor and outdoor scenes.



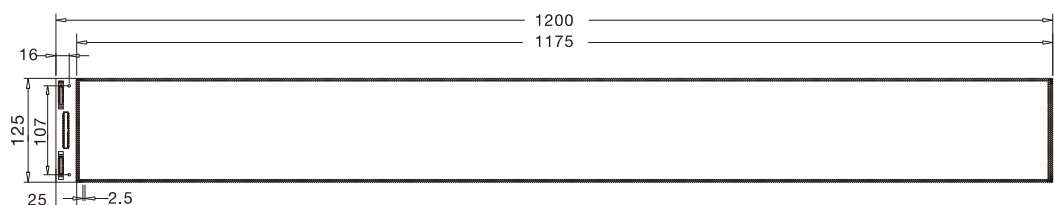
## Holographic Invisible Screen • Series M2

### P2.5 Regular Screen

Module Dimension  
1025\*125mm  
400\*50Pixel



Module Dimension  
1200\*125mm  
470\*50Pixel

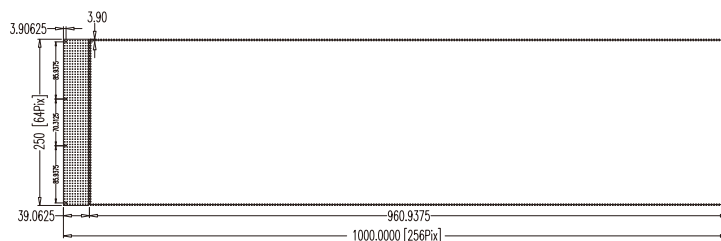


## Holographic Invisible Screen · Series M3

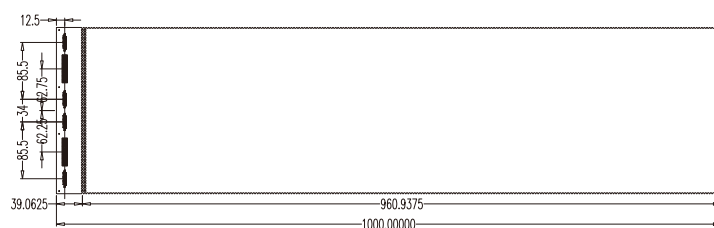
### P3.9 Full Screen

Module Dimension  
1000\*250mm  
256\*64Pixel

Front View(Led Lamp Side)

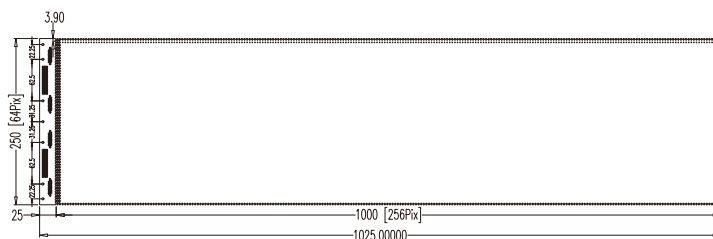


Back View(PCB Side)

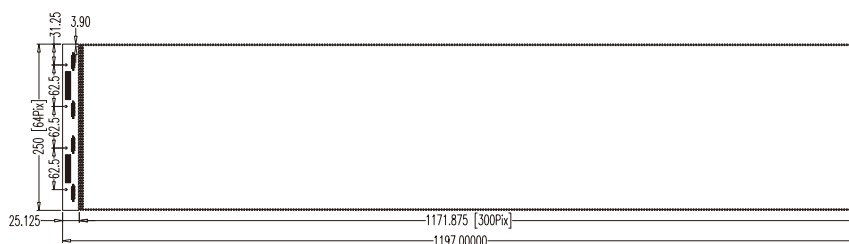


### P3.9 Regular Screen

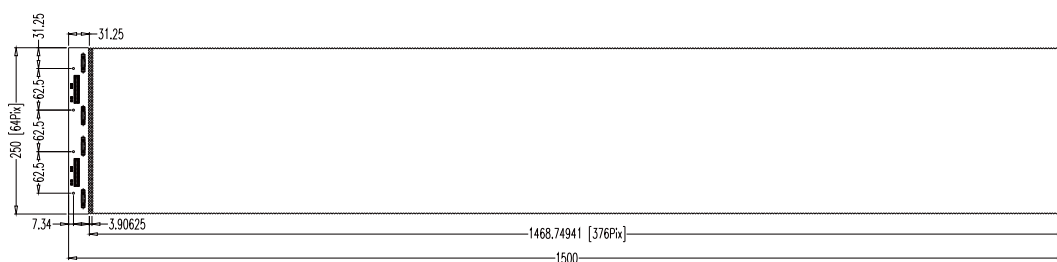
Module Dimension  
1025\*250mm  
256\*64Pixel



Module Dimension  
1200\*250mm  
300\*64Pixel



Module Dimension  
1500\*250mm  
376\*64Pixel

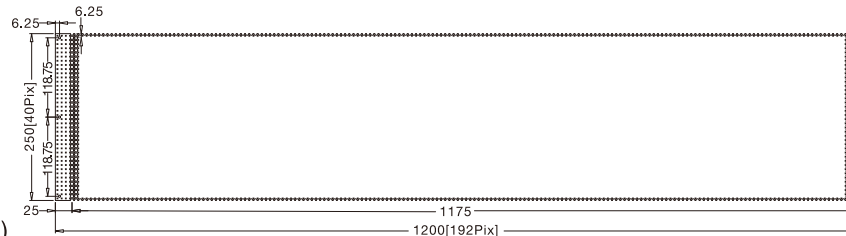


## Holographic Invisible Screen · Series M6

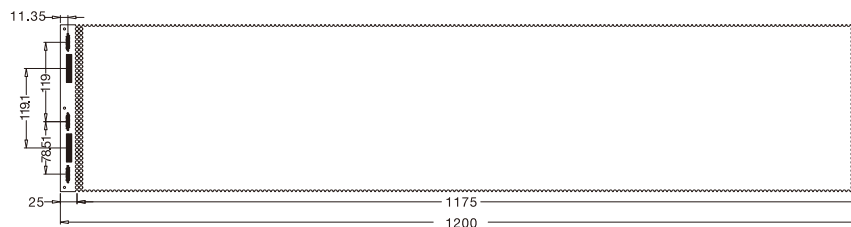
### P6.25 Full Screen

Module Dimension  
1200\*250mm  
192\*40Pixel

Front View(Led Lamp Side)

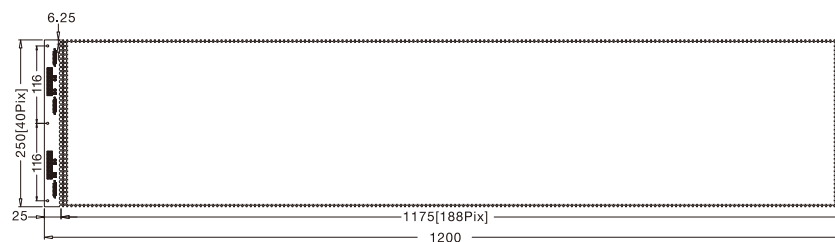


Back View(PCB Side)

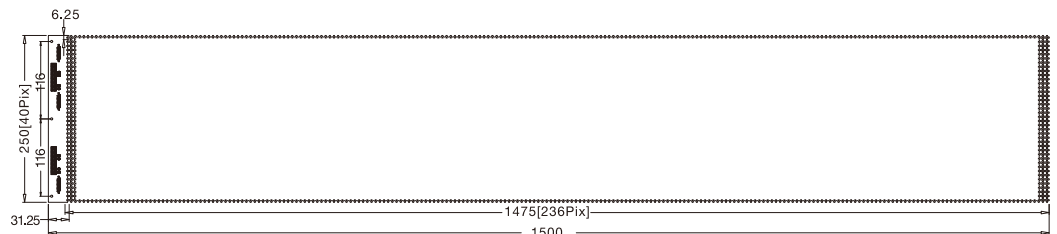


### P6.25 Regular Screen

Module Dimension  
1200\*250mm  
188\*40Pixel

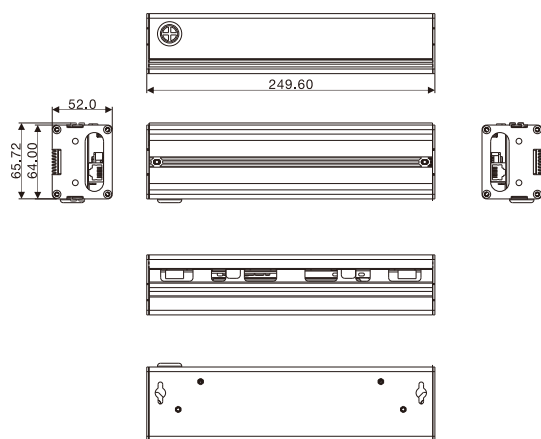


Module Dimension  
1500\*250mm  
236\*40Pixel



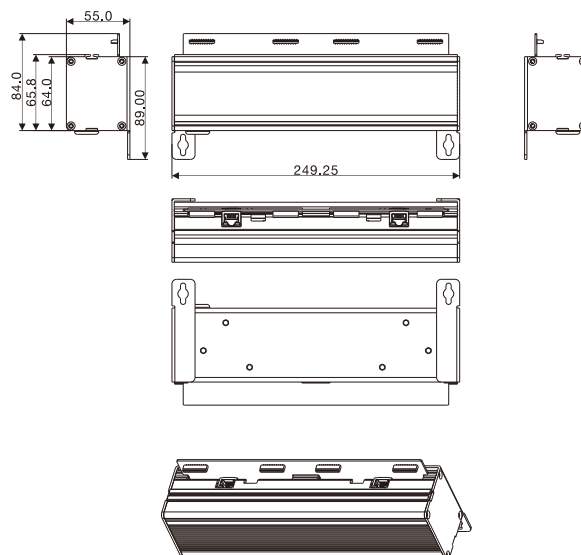
## Version A Power Box

1. The installation and fixing holes are inside the power box, before the installation and removal of the power box, the cover of the power box needed to be removed.



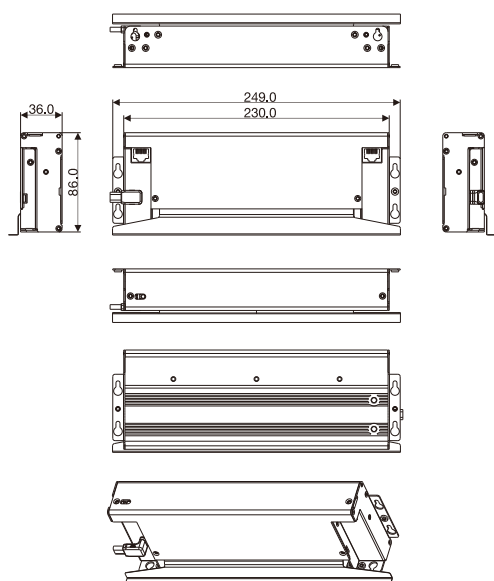
## Version B Power Box

1. The installation and fixing holes are outside the power box, and the installation and removal do not need to disassemble the power box cover.



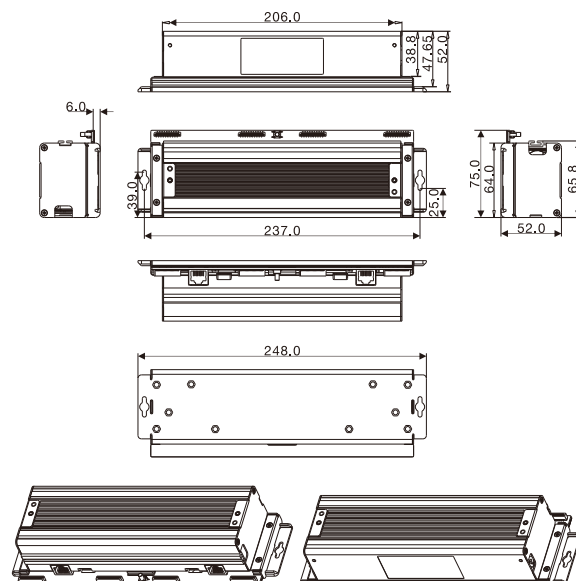
## Version C Power Box

1. The installation and fixing holes are outside the power box, and the installation and removal do not need to disassemble the power box cover;  
2. The FPC wiring scheme for the lamp board welding, the size is narrow.

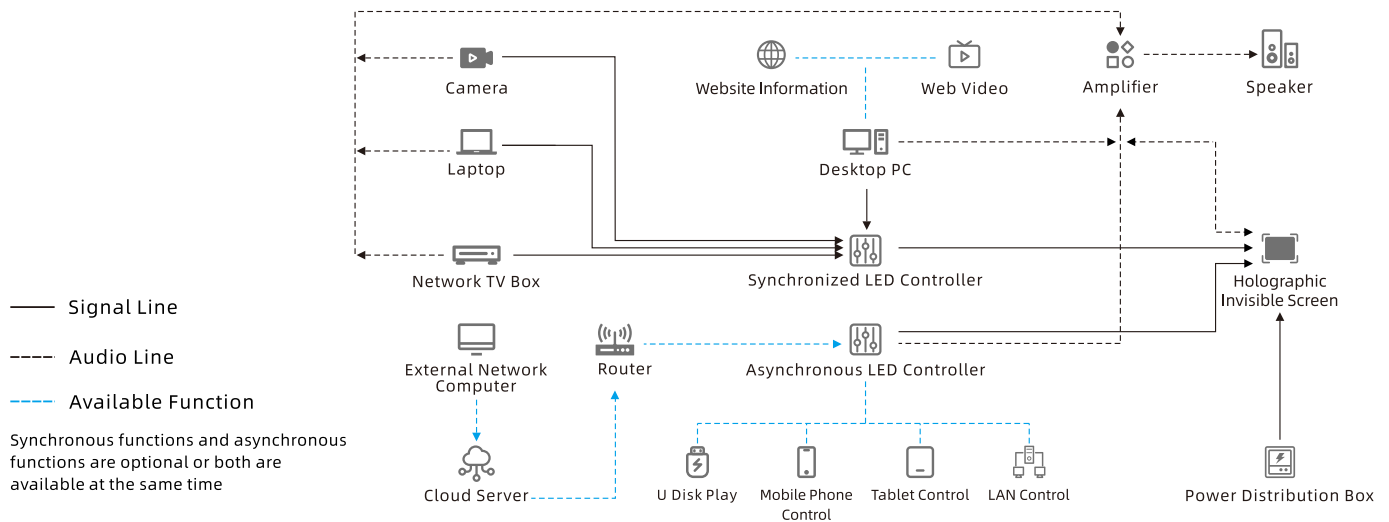


## Version D Power Box

1. When installed at the inner arc side, the corners of the power boxes don't need to be cut;  
2. Compared with Version B Power Boxes, the width of decoration of Version D will be 37mm shorter;  
3. There are spaces between the power boxes, hence make it easier to match and install them



## System Topology



## Specifications

| Model   | M2   | M3   | M6   | M10  |
|---|--|--|--|--|
| Pixel Pitch(mm)<br>(horizontal / vertical)    | P2.5/P2.5                                    | P3.91/P3.91                                  | P6.25/P6.25                                  | P10/P10                                      |
| Pixel Density(dot/m <sup>2</sup> )            | 160000                                       | 65536  | 25600  | 10000  |
| Transparency Rate                             | 70%  | 80%  | 90%  | 85%  |
| Display Dimension<br>(mm) (w*h)               | 125x1000/125x1175                            | 250x1000/250x1171/250x1468                   | 250x1175 /250x1475                           | 260x1000                                     |
| Profile Dimension<br>(mm) (w*h)               | 125x1025/125x1200                            | 250x1025/250x1200/250x1500                   | 250x1200/250x1500                            | 260x1000                                     |
| Resolution (dot) (w*h)                        | 50x400/50x470                                | 64x256/64x300/64x376                         | 40x188/40x236                                | 26x120                                       |
| Brightness(cd/m <sup>2</sup> )                | ≥1200  | ≥2000  | ≥5000  | ≥4000  |
| Weight(Kg/set)                                | 1.63   | 1.6  | 1.6  | 1.2  |
| Encapsulation Type                            | Light Board & Driving Board Integrated       | Light Board & Driving Board Integrated       | Light Board & Driving Board Integrated       | Light Board & Driving Board Integrated       |
| Scanning Mode                                 | Static Driving (Single Pixel Single Control) | Static Driving (Single Pixel Single Control) | Static Driving (Single Pixel Single Control) | Static Driving (Single Pixel Single Control) |
| Lifespan                                      | ≥100,000.00 hours                            | ≥100,000.00 hours                            | ≥100,000.00 hours                            | ≥100,000.00 hours                            |
| Pixel Configuration                           | 16bit  | 16bit  | 16bit  | 16bit  |
| Maximum Power Consumption (w/m <sup>2</sup> ) | 800  | 1000   | 1000   | 1000   |
| Average Power Consumption (w/m <sup>2</sup> ) | 350  | 375  | 375  | 375  |
| Control System                                | Colorlight / Novastar                        | Colorlight / Novastar                        | Colorlight / Novastar                        | Colorlight / Novastar                        |
| Input Voltage                                 | AC100~240V 50/60 Hz                          | AC100~240V 50/60 Hz                          | AC100~240V 50/60 Hz                          | AC100~240V 50/60 Hz                          |
| Working Voltage for Module                    | DC 4.2V ± 0.2V                               | DC 4.2V ± 0.2V                               | DC 4.2V ± 0.2V                               | DC 4.2V ± 0.2V                               |
| Working Temperature                           | Temperature -20°C~50°C                       | Temperature -20°C~50°C                       | Temperature -20°C~50°C                       | Temperature -20°C~50°C                       |
| Working Humidity                              | Humidity: 20% -85%<br>(Without Condensation) | Humidity: 20% -85%<br>(Without Condensation) | Humidity: 20% -85%<br>(Without Condensation) | Humidity: 20% -85%<br>(Without Condensation) |
| Storage Temperature                           | Temperature -20°C~60°C                       | Temperature -20°C~60°C                       | Temperature -20°C~60°C                       | Temperature -20°C~60°C                       |
| Storage Humidity                              | Humidity: 10% -85%<br>(Without Condensation) | Humidity: 10% -85%<br>(Without Condensation) | Humidity: 10% -85%<br>(Without Condensation) | Humidity: 10% -85%<br>(Without Condensation) |
| Protetion Degree                              | IP20   | IP20   | IP20   | IP20   |
| Frame Material                                | /  | /  | /  | /  |
| Installation Environment                      | Indoor                                       | Indoor                                       | Indoor                                       | Indoor                                       |
| Packing Way                                   | Pearl Cotton<br>+Wooden case/Airbox          | Pearl Cotton<br>+Wooden case/Airbox          | Pearl Cotton<br>+Wooden case/Airbox          | Pearl Cotton<br>+Wooden case/Airbox          |

Statement: The relevant parameters in the table are subject to real-time update, and the data is for reference only.  
 Upgrade will be made without further notice.