BRIGHTEK
BRIGHTEK (EUROPE) LIMITED
Brighten Up The World With LED!

PRODUCT DATASHEET

ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE DEVICES

► LED Transparent Film

► 1212 IC-LED

► Pitch: P8
Resolution: 100x50

N0M63M82 /
BK-A080A1212Q01

L E D   T r a n s p a r e n t   F i l m

APPLICATIONS:

- Glass Wall
- Show Room
- Shop Windows
- Elevator Side Display
- Billboard

Light 3kg/㎡   Light Penetration Rate≥85%   Extreme Thin 2mm   1100R
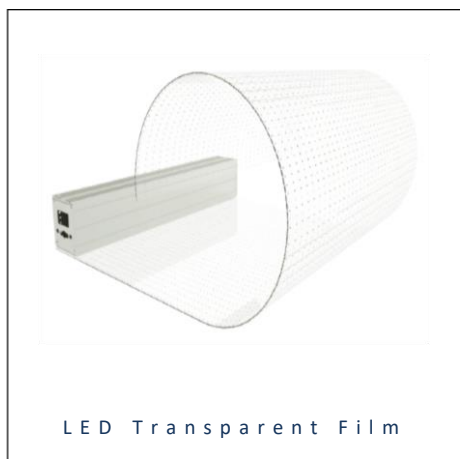
LED Transparent Film

RoHS Compliant

FEATURES:

LED transparent film is also called stuck film, it uses IC-LED stuck on high transparent PCB and then covered with glue. It makes the module to be extreme thin around 1~3mm. It has high transparency. It can be stuck on glass or metal surface. It brings futuristic, high transparent effect to environment.

- Light weight (≤3kg/m^2), thin (≤2mm), high transparency (light penetration rate ≥90%).
- Module size is 800mmx400mm. The films can be put together without gap for display, support external connection system.
- Use the PET film material with high light transmittance and UV resistance.
- Clear display image, static driving, high gray level, high refresh, high brightness, energy-saving IC-LED.
- The film can be directly stuck on glasses without changing structure of the architectures. Easy installation.
- Fewer line connections, lower failure rate, and more stable performing.
- The film can be cut freely for flexible usage.
- User-friendly. The films can be compatible with different systems. The films can be remotely controlled as well.

CHARACTERISTICS:

Electrical & Optical Characteristics (Ta=25°C)

Items	Parameters
LED Type	IC-LED 1212 SMD
Pitch	P8
Resolution	100x50
Pixels	5000
Pixel Intensity	15625point/m^2
Module Size (WxHxD)	800mmx400mmx2mm
Module Area	0.32m^2
Transmittance	≥90%
Brightness	3000cd/m^2
Brightness/colour	≥97%
Grayscale	16bit
Viewing Angle (HxV)	160x160
Refresh Rate	8000Hz
Curve Ability	1100R
Supply Voltage	110~240V/AC
Average Power	450W/m^2
Maxima Power	600W/m^2
Operating Temperature	0°~+45°C
Storage Temperature	-20°~+50°C
Lifetime	100,000hrs
Weight	3kg/m^2

OUTLINE DIMENSION:

Package Dimension:
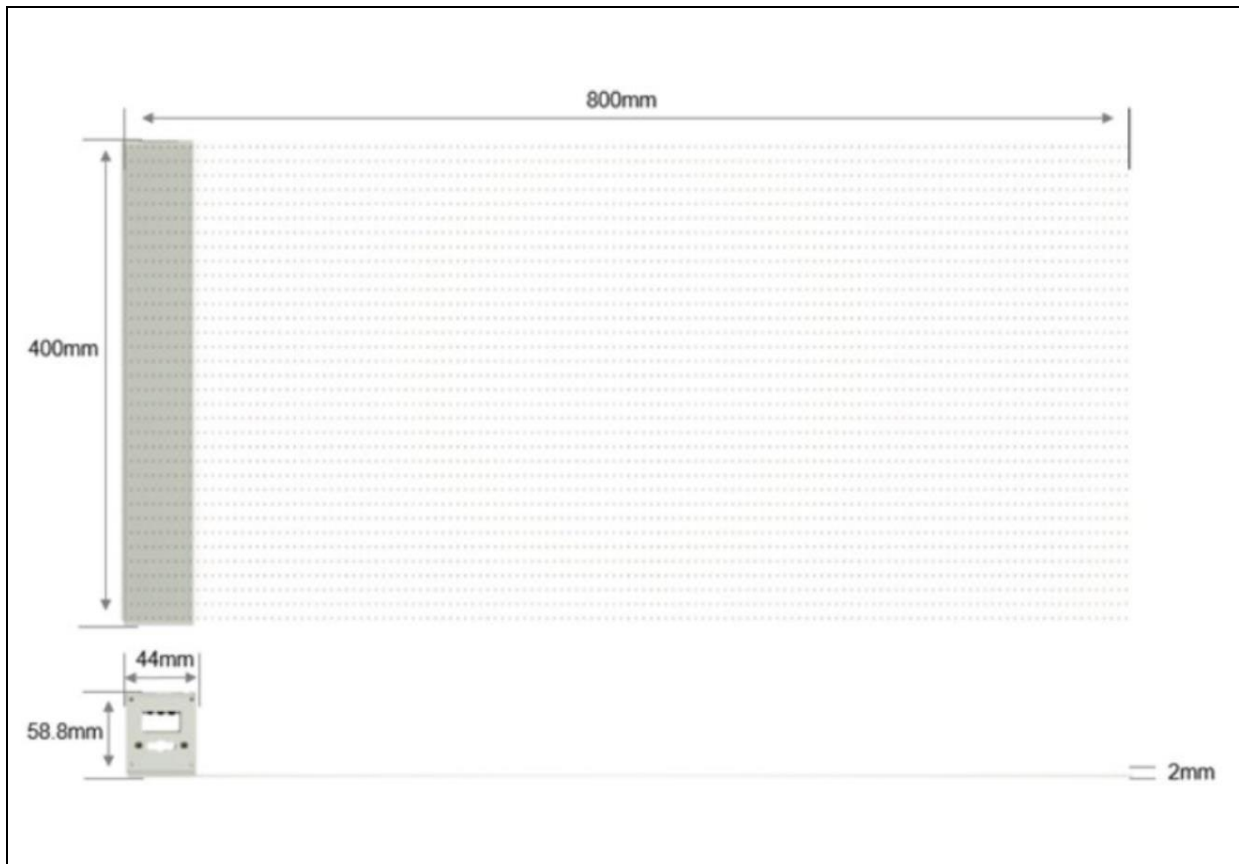
1. All dimensions are in millimetre (mm).
2. Tolerance ±0.2mm, unless otherwise noted.

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Description of Product Functions and Usage Scheme:

Product module part
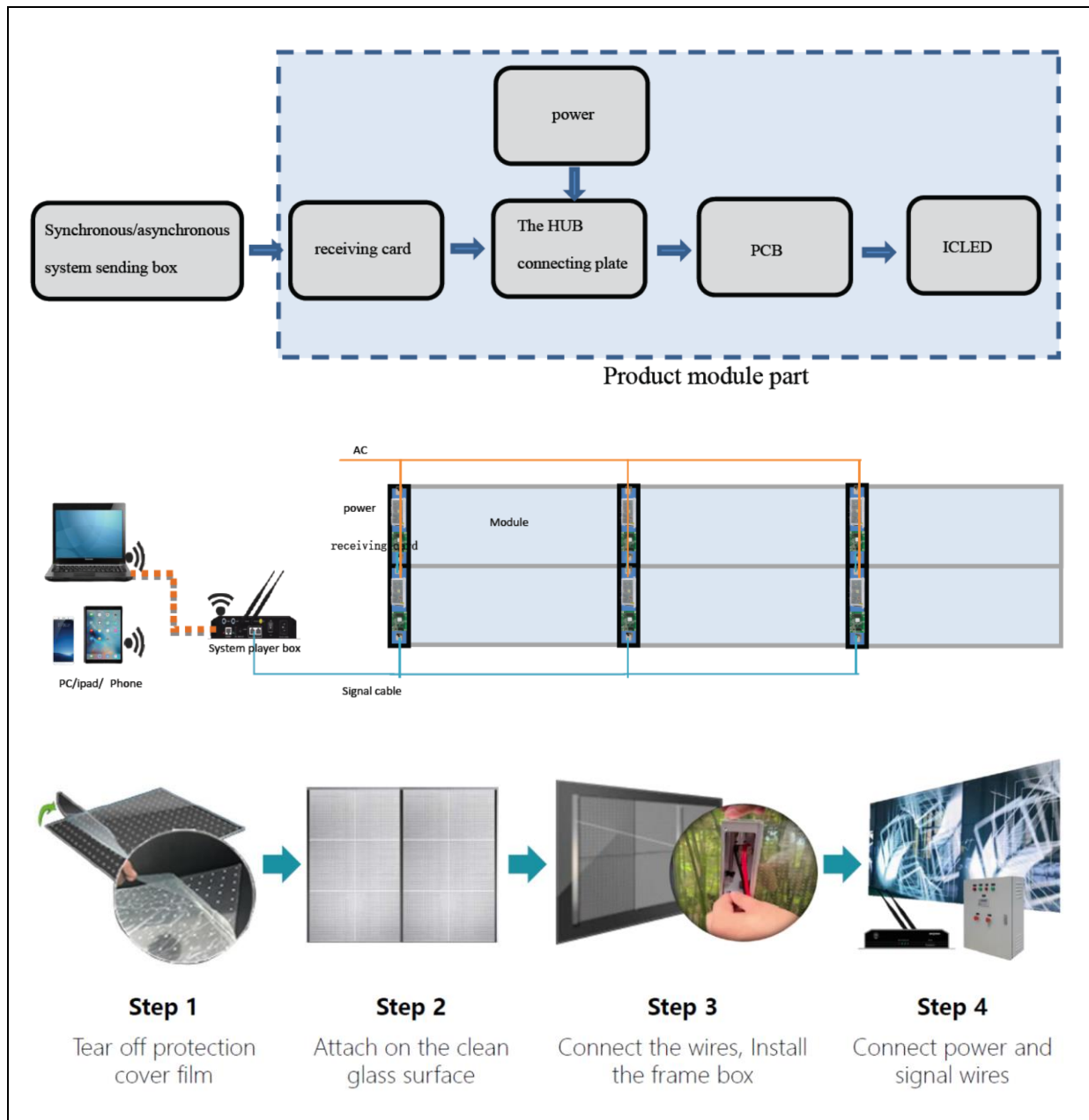
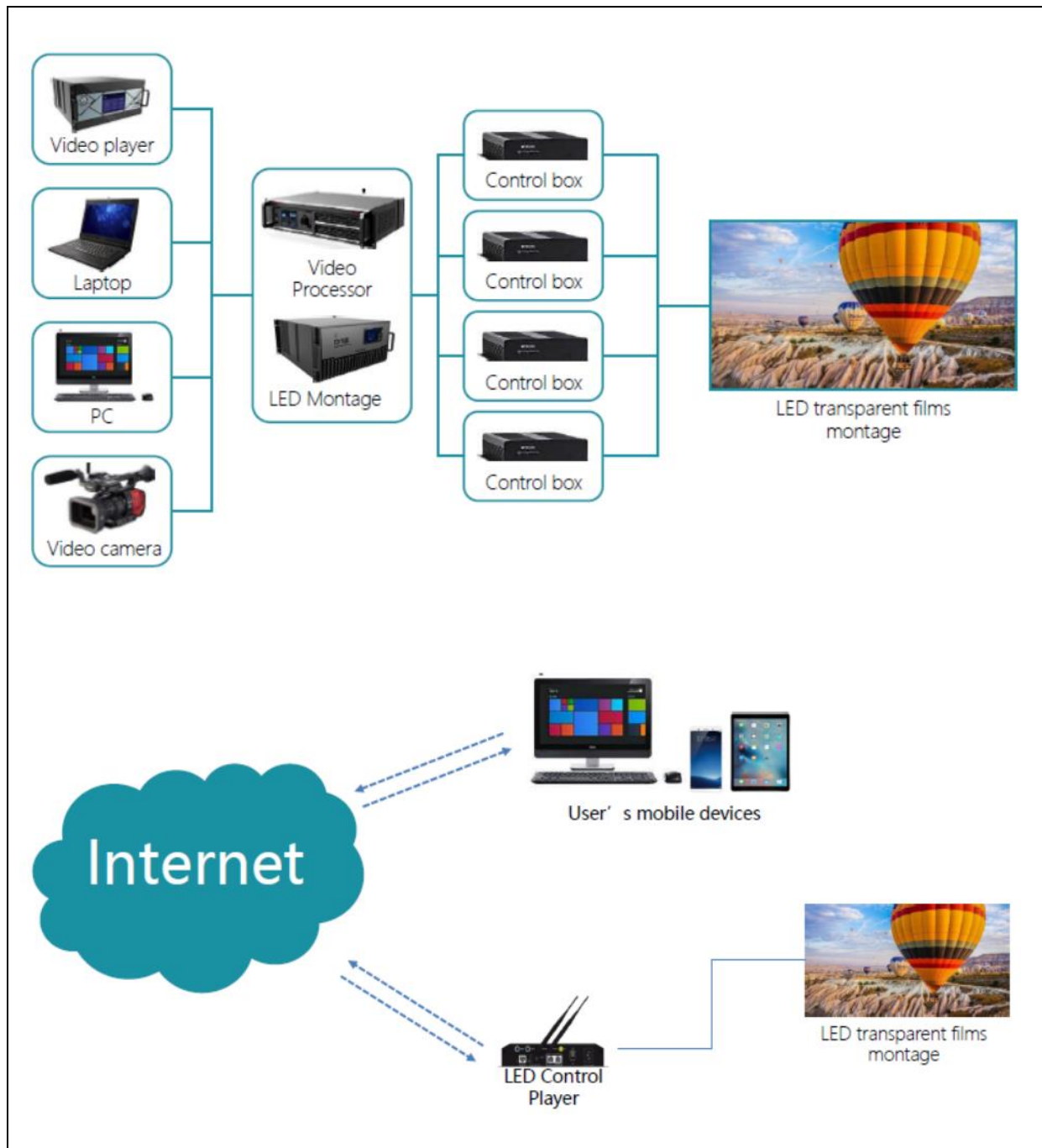### System selection and configuration

The product is compatible with a variety of common system control schemes in the market, which can realize local synchronization and remote broadcast control on the internet.

Splicing and Scheme

Connect the signal line and power line according to the principle of the above structure, and the module and module are seamlessly joined together. For the specific scheme, please refer to the operation instructions.

Synchronized Control System & Smart Cloud Control:

LED transparent films montage

User's mobile devices

Internet

LED Control Player

LED transparent films montage

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LED Player System (Suggestion/Optional):

Items	Parameters
Control System	Novastar, Colorlight etc.
Operation System	Windows 7 and above
Function	4K High Resolution Display
Control	Synchronized or Unsynchronized Control
Content for Display	Video, Picture, GIF, .txt, Word, Excel, .ppt

REVISION RECORD:

Version	Date	Summary of Revision
A1.0	06/04/2022	Datasheet set-up.
A1.1	21/01/2023	New datasheet format.

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