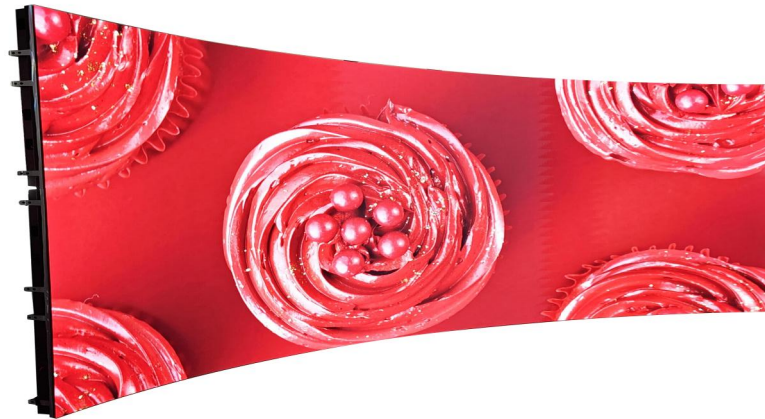# PREMTECO
INNOVATIVE VISUAL TECHNOLOGIES

COBFLEX

Flexible LED Display

P0.9, P1.25, and P1.56.

HD High Resolution

16:9 Aspect Ratio

Seamless Connection

3840Hz~7680Hz

Large Viewing Angle
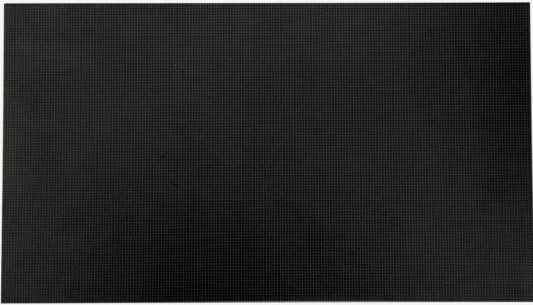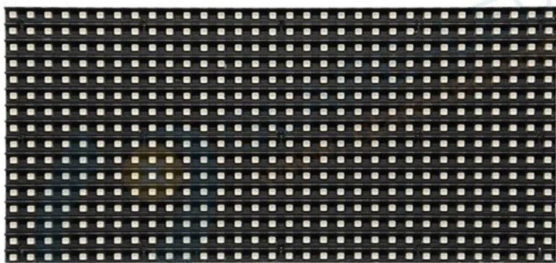
Strong Module

Front Access

Easy Maintenance

![PREMTECO - INNOVATIVE VISUAL TECHNOLOGIES]

Flexible COB Module

Convensional SMD Module

Using COB technology

Different from traditional SMD soft modules, our COBFLEX adopts COB packaging technology.Since the light-emitting chip of SMD screen is packaged before mounting, it has weak protection and is easy to knock and drop the light, and its waterproof, moisture-proof and dust-proof performance are poor. COB screen has better overall protection, and the front protection level can reach IP65, which is waterproof, moisture-proof and anti-bumping.In terms of image quality, the COB screen uses an overall coating, and the light source is scattered and refracted to present a surface light source effect. There is no graininess when watching, and the contrast is higher, reaching more than 20000:1. The colors are bright and vivid, the details are better, and there is no moiré when taking pictures.

Enhanced Heat Dissipation

In flip-chip COB displays, the electrode of the light-emitting chip is oriented face down in close proximity to the PCB. This configuration facilitates more direct and rapid heat dissipation through the PCB, effectively minimizing thermal resistance and enhancing heat dissipation efficiency. Consequently, it supports continuous operation under demanding conditions over extended periods.
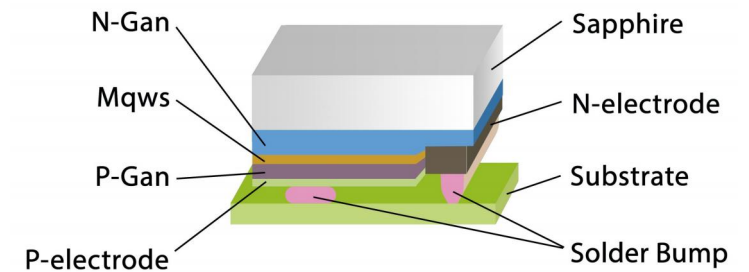
Multiple Curves

Has a larger curvature and can be bent 45 degrees
It is suitable for curved flexible display of stage backgrounds, exhibition halls, indoor conference rooms, etc,
It helps to improve the environmental grade and create a special visual atmosphere

Protective Method: IP 54

Compared with ordinary indoor LED products,we adopt IP54 high protection level.

IP54 is an international standard that indicates that an electrical enclosure is dust tight and watertight against light pressure water spray.

No degumming, have higher shockproof level, greater reliability and high level surface protection.

Excellent Color Contract Ratio

The color contrast ratio of 30000:1.

A high contrast ratio enhances visual clarity; colors appear more vibrant for a better viewing experience; depth and detail perception can be enhanced; and the optimal contrast ratio minimizes eye fatigue ratio and ensures viewer comfort.
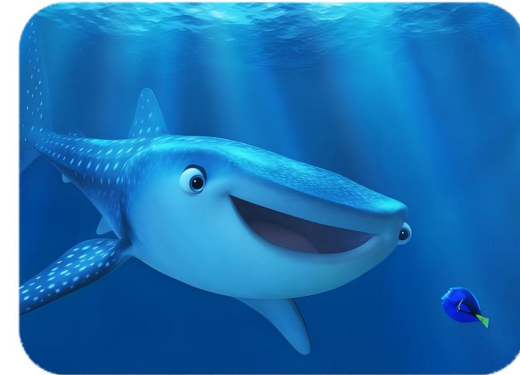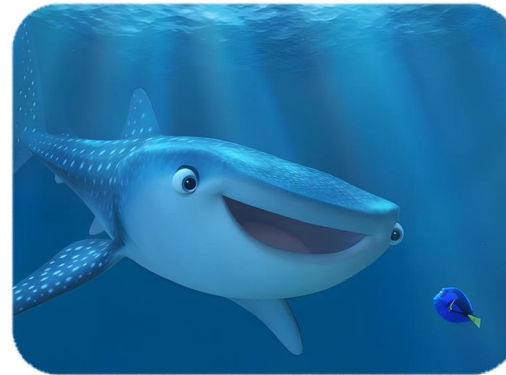
Extraordinary Visual Effects

High brightness and high gray, refresh rate ≥3840Hz, 14-16bit grayscale level, and the image is presented without delay and smearing.

PREMTECO
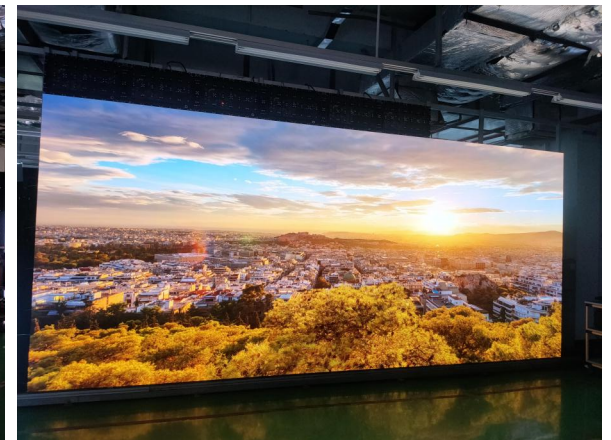## INNOVATIVE VISUAL TECHNOLOGIES

Application Fields

The high-precision screen is well-suited for a range of installation settings and has received positive feedback from customers for its reliable performance and superior image quality.

Its application fields are as follows:

- Meeting Room
- TV Studio
- Exhibition Center
- Shopping Mall
- Airport
- Cinema

COBFLEX Parameters

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INNOVATIVE VISUAL TECHNOLOGIES

Item	P0.9	P1.25	P1.56
Pixel Pitch	0.93mm	1.25mm	1.56mm
LED Type	COB	COB	COB
Module Resolution	320dots×180dots	240dots×135dots	192dots×108dots
Driving Mode	1/64scan	1/45scan	1/54scan
Module Pixels	58282dots	32400dots	20736dots
Module Size	300mm×168.75mm	300mm×168.75mm	300mm×168.75mm
Cabinet Size	600mm×337.5mm×35mm	600mm×337.5mm×35mm	600mm × 337.5mm × 35mm
Cabinet Resolution	640dots×360dots	480dots×270dots	384dots x 216dots
Pixel Density	1,156,203dots/m²	640,000dots/m²	410,913dots/m²
Minimum Viewing Distance	≥0.9mm	≥1.25mm	≥1.56m
Brightness	1200nits	1200nits	1200nits
IP Grade	IP54	IP54	IP54
Refresh Rate	3840Hz ~7680Hz	3840Hz ~7680Hz	3840Hz~7680Hz
Gray Scale	14bits~22bits	14bits~22bits	14bits~22bits
Viewing Angle	H:160° / V:160°	H:160° / V:160°	H:160° / V:160°
Maximum Power Consumption	380W/m²	330W/m²	330W/m²
Average Power Consumption	127W/m²	140W/m²	150W/m²
Input Voltage	AC100V ~ AC240V @ 50Hz / 60Hz	AC100V ~ AC240V @ 50Hz / 60Hz	AC100V ~ AC240V @ 50Hz / 60Hz
Operating Temperature	- 20℃～60℃	- 20℃～60℃	- 20℃～60℃
Operating Humidity	10% ~ 90%	10% ~ 90%	10% ~ 90%
Cabinet Material	Die-casting Aluminum	Die-casting Aluminum	Die-casting Aluminum
Cabinet Weight	4.6kg/panel	4.6kg/panel	4.6kg/panel
Operating System	Windows（Win7，Win8，etc.）	Windows（Win7，Win8，etc.）	Windows（Win7，Win8，etc.）
Signal Source Compatibility	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.	DVI, HDMI1.3, DP1.2, SDI, HDMI2.0, etc.