



reddot winner 2024
industrial design



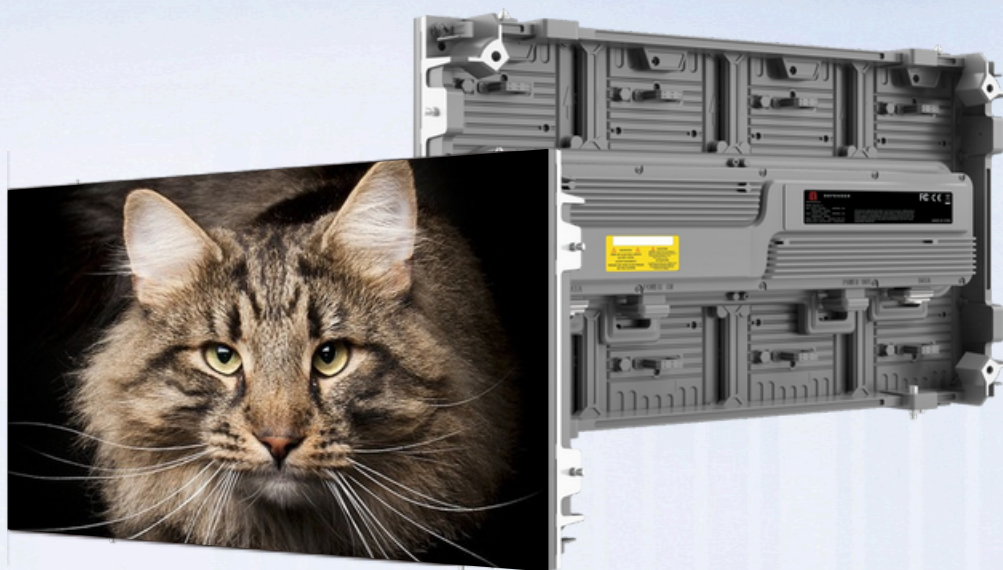
Skjöldr

Outdoor COB Pylon

.Pixelpitch: 12mm/ 1.5mm/ 1.9mm |

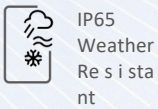
Flip-chip · Common Cathode

Super Stability · Sunlight Viewable Image



Skjöldr

With the latest outdoor COB technology, Defender COB is a giant leap to bring 1.2/1.5/1.9mm pitch to outdoor scenes. 100,000:1 ultra-high contrast ratio of more than 3000nits brightness, contents are viewable in direct sunlight. Thanks to the tremendous advantages of Flip-chip & common cathode technology, Transtech can bring new solutions to the traditional street totem, public information, outdoor media terminal, etc applications.



IP65
Weather
Resistant



Sunlight
Viewable
Image



Extreme
Outdoor
Stability



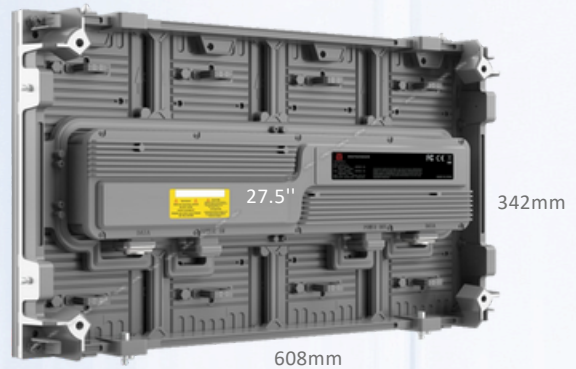
Common
Cathode



10 years
Performance



Vandal
Resistant
10KG



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IP65 WATERPROOF MOISTUREPROOF



IP65 Weather Resistant

Rain or shine, Defender Outdoor COB can endure what nature has to offer. Full-sealed die-casting aluminum with IP65 weather protection resists water, moisture and dust from entering the display even in some of the harshest environments.

Sunlight Viewable Image

With brightness ratings up to 3000 nits and the anti-UV black coating reducing reflections, contents can easily be viewed in direct sunlight applications, such as outdoor kiosks and building exteriors.

MORE THAN 3000 NITS BRIGHTNESS



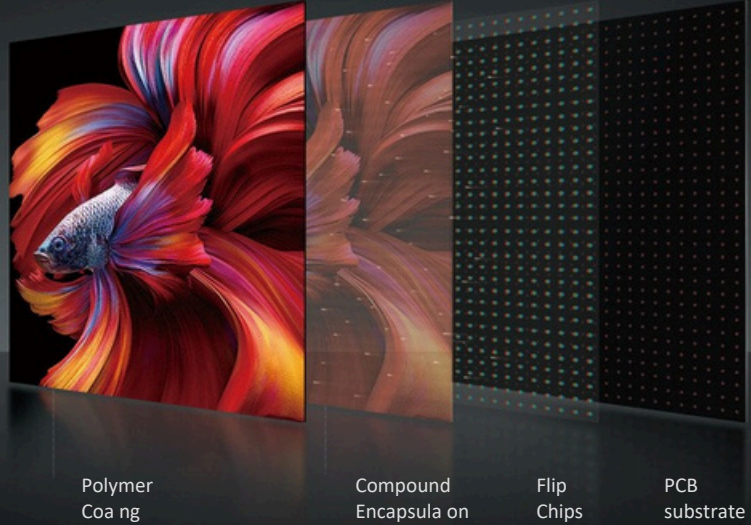


Ultra Black Consistency

The surface is covered with a black polymeric coating, which provides an astonishing black consistency and takes visual performance to unprecedented levels.

The LED chip is placed directly on the PCB substrate, with better thermal conduction and heat dissipation, the stable operation is more guaranteed.

100,000:1 Contrast Ratio



Polymer Coating

Compound Encapsulation

Flip Chips

PCB substrate



✓ Area Light Source(COB)

Point Light Source(SMD)

Comfortable Viewing Experience

The flip-chip technology can reduce the graininess of the pixels, making the light softer and more uniform, which means your eyes won't get tired even if you look at the screen for a long time.

Ultra-low moiré/
Ultra-low reflectance

Low Light Decay,
no color speckle

Area light packaging
technology, no graininess

Avoiding pixel failure
caused by poor soldering

Extreme Outdoor Stability

Strongly resisting involuntary & willful damage

Built to withstand harsh and unforgiving environments, die-cast aluminum shells for both module & power box.

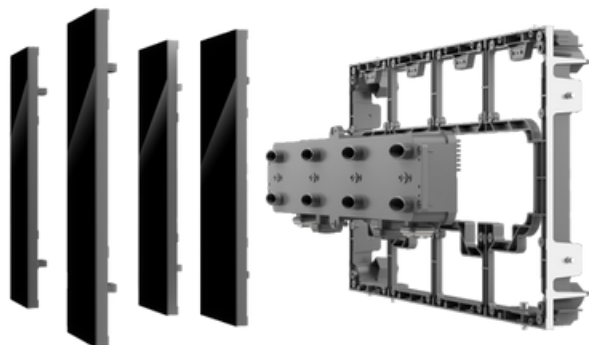
Prolonging the lifespan

Adopts common cathode technology, less heat generated from electrical components, longer LED life

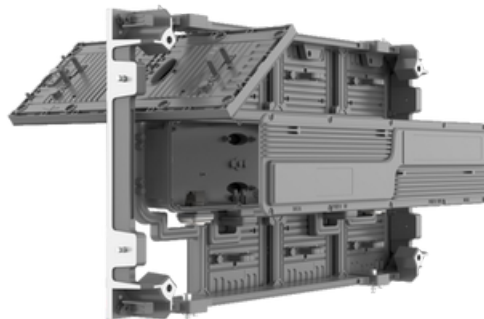


Convenient Maintenance

Integrated design supports hot-swap, plug-and-play operation
100% front & rear serviceable for both module & power box



Front Access



Rear Access





Specifications

Specification			
MODEL	Skjölldr 1.2	Skjölldr 1.5	Skjölldr 1.9
Model	P1.26	P1.58	P1.9
LED Type	Flipchip COB	Flipchip COB	Flipchip COB
Module Resolution(WxH)	120 x 270	96 x 216	80 x 180
Module Size (mm)	152 x 342	152 x 342	152 x 342
Module Layout (W x H)	4 x 1	4 x 1	4 x 1
Cabinet Resolution(WxH)	480 x 270	384 x 216	320 x 180
Cabinet Size (mm)	608 x 342 x 76 mm		
Net.weight/cabinet (kg)	8.5		
Contrast Ratio	100,000:1		
Brightness (cd/sqm)	3000		
Max./Avg. Power Consumption (W/sqm)	750/225		
Serviceability	Front / Rear		
Ingress Protection	IP65		
Viewing Angle(H/V)	170°/170°		
Refresh Rate (Hz)	3840		
Greyscale (bit)	16		
AC Working Voltage (V)	100-240V-50/60Hz		
Operating Temperature	-30° to +50°		
Operating Humidity	10~90% RH		

Note: Power consumption floating range: ± 15%, depending on the brightness of LED lamps in different batches.

Skjöldr

82"

Skjöldr is intended for deployment in outdoor venues with ultra-bright sunlight, it features an eye-catching design and a sunlight-viewable 3000nits image. The tough, double-laminated glass with IK10 protec on can protect components from the effects of adverse weather and vandalism.



Application



Bus Shelter



Public Information



Street Totem

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