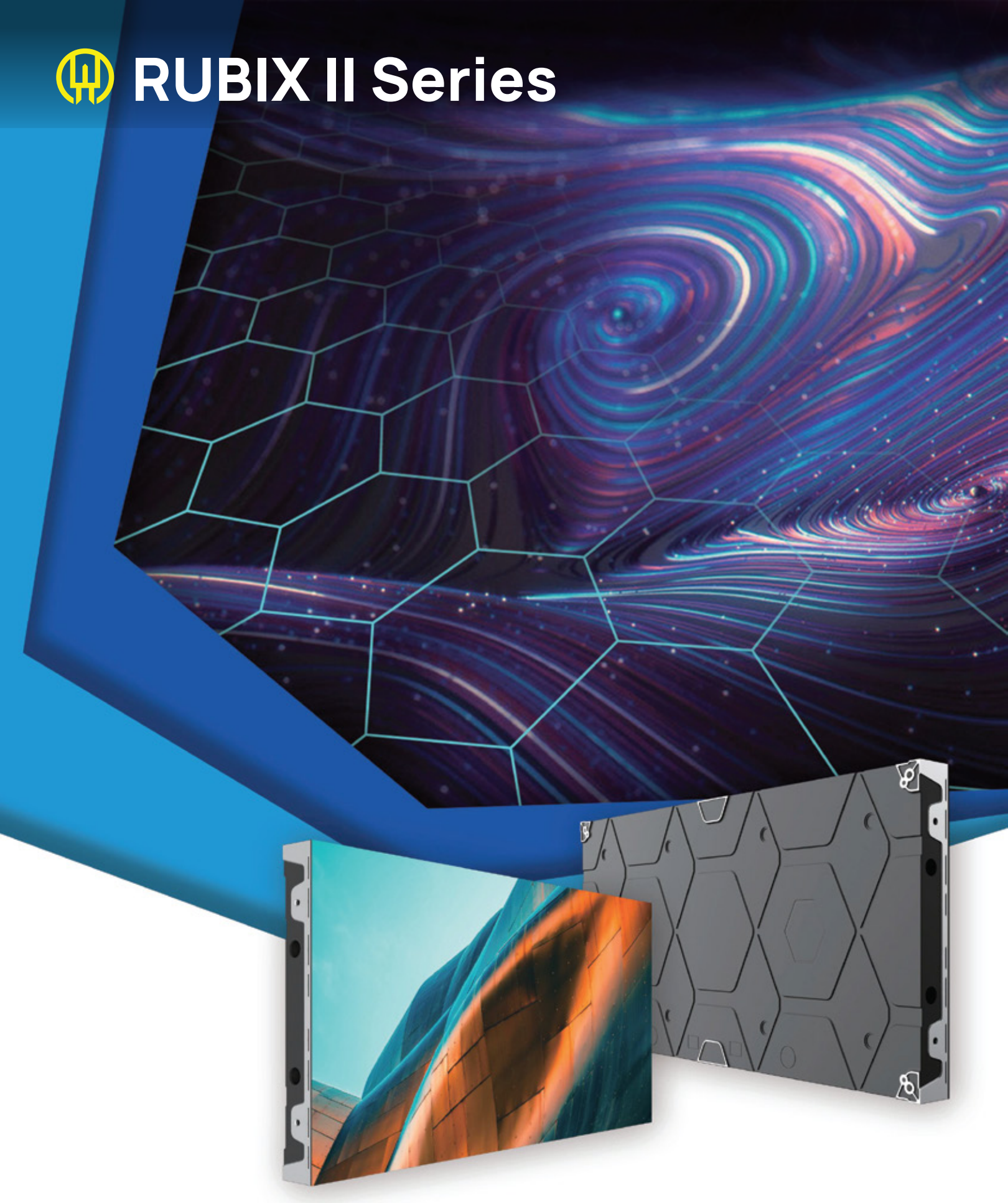
RUBIX II Series



FINE PITCH FIXED INSTALLATION

IMMERSIVE. BROADCAST. XR.

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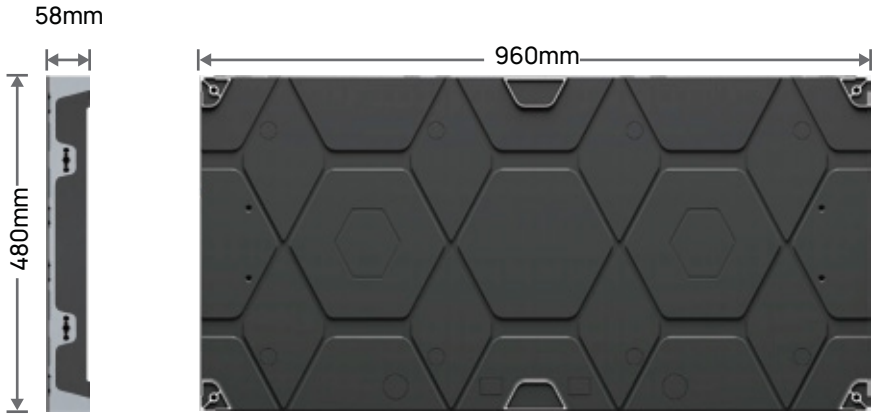
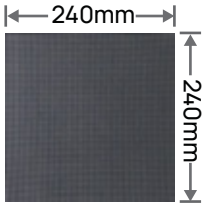
Module Composition



Side

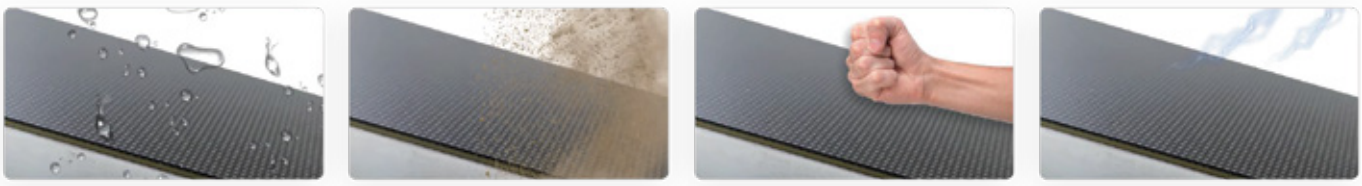
Back

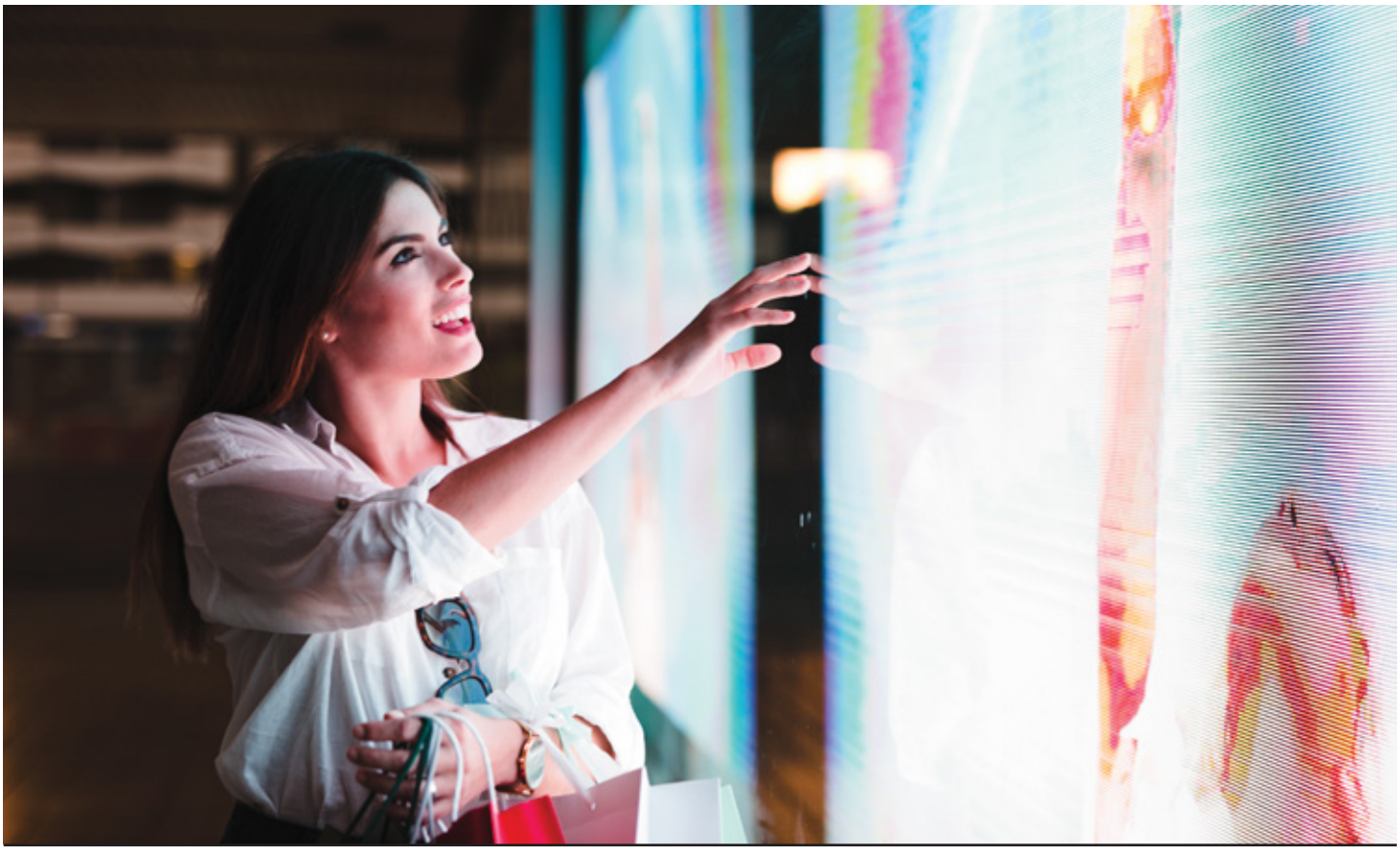


Module Dimensions

GOB - Ultimate Protection

In high footfall areas or environments prone to accidental impacts, traditional LED displays are susceptible to damage, resulting in pixel malfunction or complete failure. However, GOB LED display technology addresses this concern with its improved pixel durability. The epoxy resin encapsulation provides an extra layer of protection, safeguarding the LED chips from external forces. This makes GOB displays highly resilient, minimising the risk of pixel damage and ensuring consistent performance even in demanding environments.





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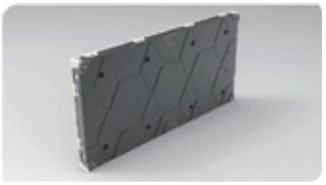
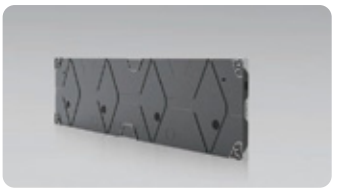
Mixed Cabinet Splicing - Ultimate Creativity

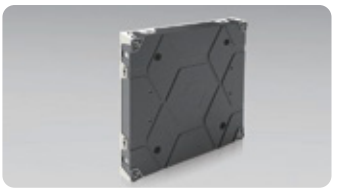
The RUBIX II supports mixed cabinet splicing allowing for maximum product placement, install design and ease of installation.



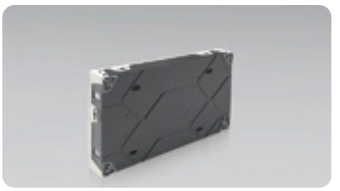
960×480 mm
Aspect Ratio 2:1



960×240 mm
Aspect Ratio 1:1



480×480 mm
Aspect Ratio 1:1



480×240 mm
Aspect Ratio 2:1

HDR Enhanced Colour Performance

Our LED display boasts precise HDR imaging for realistic scenes and vivid colours in both low-brightness and high-gray areas, enhancing contrast and depth. With anti-gamma correction technology, experience unparalleled colour accuracy. Enjoy dynamic, expressive colours with a high refresh rate of 3840Hz, ideal for broadcast and production, delivering fast and nuanced colour reproduction in all visual content.

HDR

SDR

Low Brightness With High Gray Scale

Utilizing high-quality LEDs and a premium PWM constant current source, our display offers vibrant and true-to-life colors, thanks to our exclusive image algorithms. This technology not only accentuates colour rendering and reproduction but also brings out the details in low-gray areas more prominently. Impressively, the display maintains excellent high gray scale performance at a brightness level of 100cd/m².

Traditional LED display wall has low grayscale and poor performance

Black Diamonds series LED display screens are low brightness, high gray, gray level up to 24bit

Specification	BSU94B12	BSU94B15	BSU94B18	BSU94B25	BSU94B30
Pixel Pitch	1.29mm	1.579mm	1.875mm	2.5mm	3mm
Module Size	240 x 240mm	240 x 240mm	240 x 240mm	240 x 240mm	240 x 240mm
Physical Density	600,739	401,084	284,444	160,000	111,111
LED Model	SMD1010	SMD1010	SMD1515	SMD2121	SMD2121
Cabinet Sizes(mm)	960×480×58mm, Compatible with matching 480×480mm unit cabinet				
Display Brightness (cd/m²)	200~800CD/m² Optional				
Gray Scale(Bit)	12~16Bit adjustment				
Pixel Correction	Brightness and colour adjustment				
Colour Temperature	2500K~ 10000K adjustment				
Drive Mode	Synchronization Control				
Protection Level	IP50				
Type of Driver	Constant current driver (Compatible)				
Frame Frequency	60Hz、120Hz (3D)				
Refresh Rate	Max:≤3840Hz				
Working Voltage	AC:100V~240V, 50~60Hz				
Average Power	≤280w/m²				
Peak Power	≤800w/m²				
LED Lifetime (Hrs)	100,000 hrs				
Operating Temperature Range(°C)	-10°C~+40°C				
Storage Temperature Range(°C)	-25°C~+60°C				
Operating Environment Humidity	10%~ 90%RH, No condensation				
Weight (kg)	10.6 kg				

Specifications may differ upon project requirements. These may include scan rates, refresh rates, and frame rates.

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LED display technology
for tomorrow's world.

Please contact us if you have any questions,
we're always happy to help

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