



IRIDIUM

ULTRA HD OUTDOOR LED DISPLAY





OVERVIEW

The IRIDIUM is our newest moduable high-end Ultra HD LED cabinet for outdoor applications. This product's dimensions and features were thought to maximize its adaptability to almost any LED screen project. While the PALLADIUM is designed to easily attain a 16:9 ratio, the IRIDIUM was conceived for it to fit perfectly any environment you'll integrate it into. With the finest outdoor pixel pitches on the market and the new X-GME technology, this product represents today's cutting-edge LED technology.



APPLICATION
Outdoor



BRIGHTNESS
≤ 4500 NITS @ 5 volts



INGRESS PROTECTION
IP65 (front) / IP54 (back)



WEIGHT
9 kg/cabinet



PIXEL PITCH
P1.5 P1.9 P2.6 P2.9 P3.9



MATERIAL
Die-casting aluminum



DISPLAY AREA (W x H)
500 x 500 mm



MAINTENANCE
Front & back maintenance



FEATURES

500 x 500 x 83.1 mm

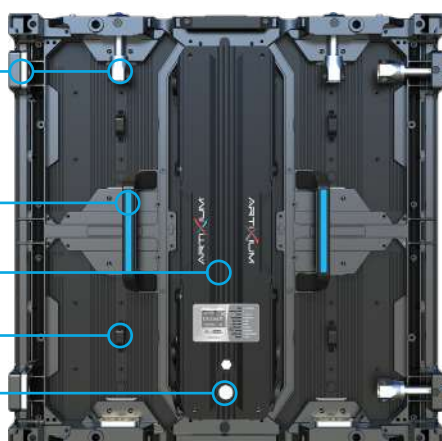
CABINET LOCKING SYSTEM

CABINET HANDLE

POWER BOX

MODULE HANDLE

TEST BUTTON



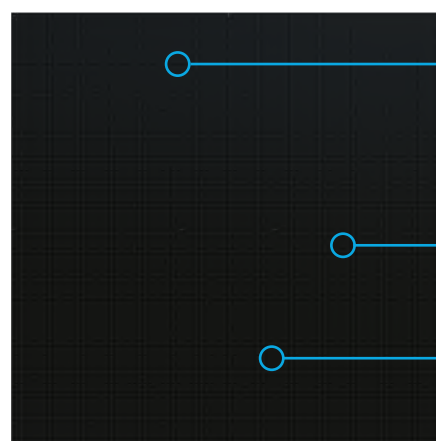
MICRO X LEDs



MAGNETIC FRONT ACCESS MODULES



NEW GENERATION GLOBAL MODULE ENCAPSULATION



X-GME

The X-GME is the newest the Global Module Encapsulation technology has to offer. It allows total protection against UV rays, shocks, water, and dust, whilst

still impacting your LED screen's uniformity, brightness, and contrast ratio far less than a traditional GME would.



FLOOR OPTION



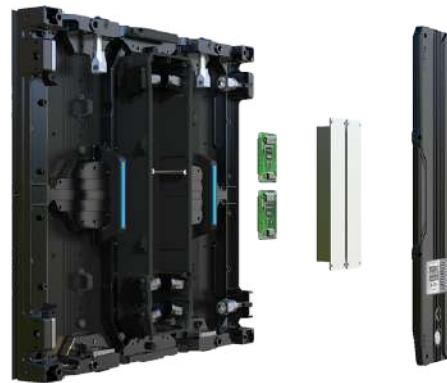
HANGING STRUCTURE



FLOOR STACKED
STRUCTURE

MICRO X TECHNOLOGY

The IRIDIUM is, with the PALLADIUM, the first LED cabinet on the market to offer an ultra-fine pixel pitch for outdoor applications, thanks to the Micro X LEDs. These LEDs are the latest technology available, with high resistance, high brightness, wide color gamut, anti-reflection treatment, high contrast ratio. Whether it's an outdoor or indoor LED screen, the Micro X technology is the best you can get.



FRONT & BACK MAINTENANCE

To maximize its adaptability to any LED screen project, the IRIDIUM is fully accessible from the front, by removing the magnetic modules, or from the back. Both these processes are easy and fast to operate and can be managed by one technician.

ADAPTABLE PRODUCT

While the PALLADIUM was designed to make 16:9 ultra HD indoor and outdoor LED screens, the IRIDIUM is conceived for less traditional LED applications. With square dimensions, and features designed to allow many different integration methods, this product was thought of as a high-end visual enhancement, that can fit almost any outdoor project.

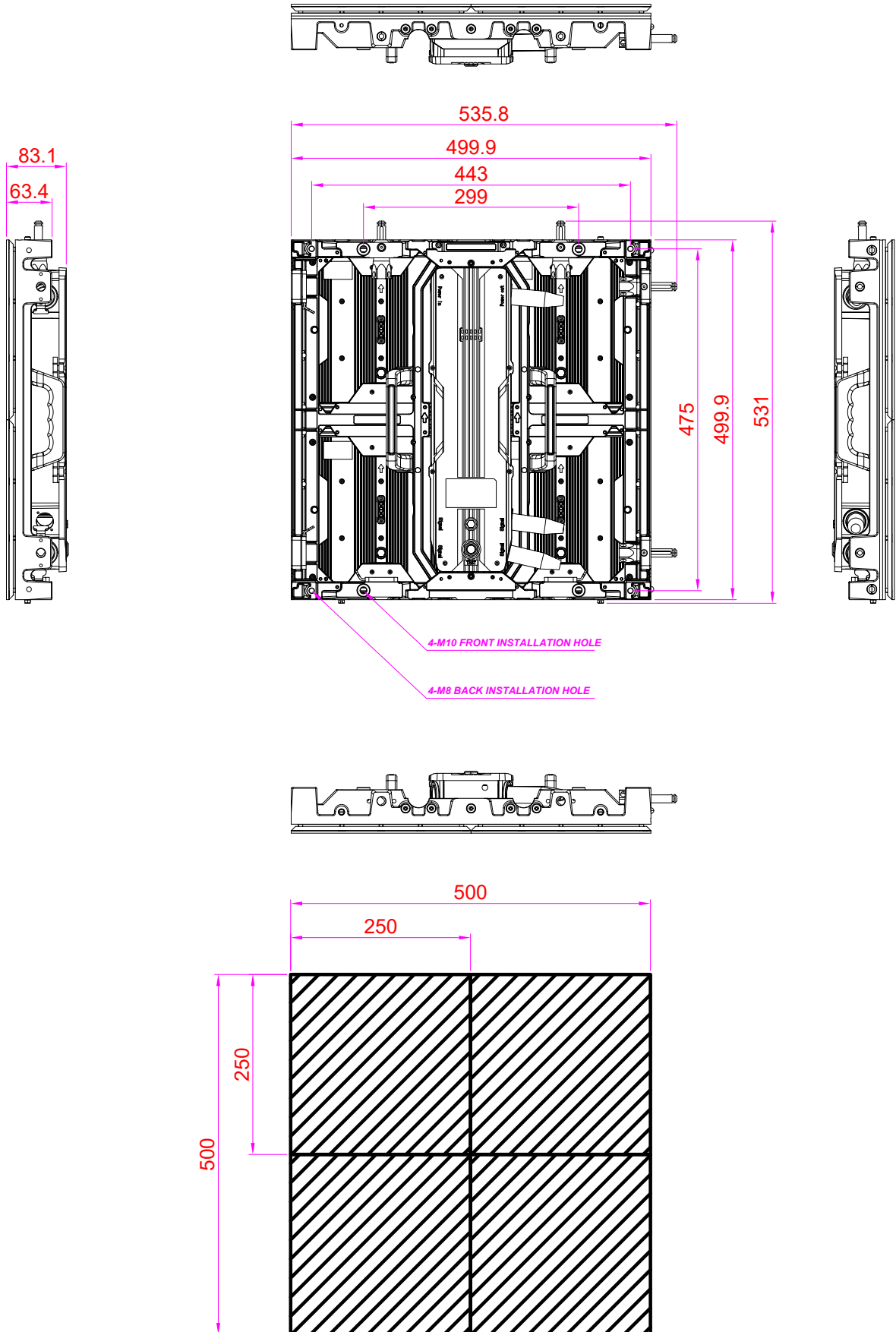


TECHNICAL SPECIFICATIONS

Product Parameters	Unit	OUTDOOR				
		1.5	1.9	2.6	2.9	3.9
Pixel Pitch	mm	1,56	1,95	2,60	2,98	3,91
LED		MicroX			SMD1515 (X-GME)	SMD1921 (X-GME)
Application		Fine pitch outdoor LED cabinet				
Ingress Protection	IP	IP65 (front) / IP54 (back)				
Brightness	cd/sqm	≤ 4500 Nits @5volts				
Color Temperature after calib (adjustable)	deg. K	6500				
Viewing Angle (50% brightness)	deg.	160H / 160 V				
Cabinet Size (WxHxD)	mm	535.8 x531 x 83.1				
Display area (WxH)	mm	500 x 500				
Module Size (WxHxD)	mm	250 x 250 x 26				
Pixel Matrix Per Cabinet (WxH)	px	320 x 320	256 x 256	192 x 192	168 x 168	128 x 128
Pixel Matrix Per Module (WxH)	px	160 x 160	128 x 128	96 x 96	84 x 84	64 x 64
Pixel Density	px/sqm	409600	262144	147456	112896	65536
Weight of cabinet	kg	9				
Cabinet Material		Die-casting aluminum				
Maintenance Mode		Front & back				
Mask specification		95% Plastic + 5% Fiber / SS screws / Shaders				
Contrast Ratio		High				
Grey scale (linear)	bit	14				
Brightness control	bit	16				
Processing depth	bit	16				
Color		281 Trillions				
Display Refresh Rate	Hz	3840				
Operation Power	V	AC100-240V				
Max. Power Consumption	W/sqm	600			800	
Average Power Consumption	W/sqm	200			300	
Control Mode		Synchronization				
Video Frame Rate	Hz	50/60Hz				
Input Types Supported		DVI / SDI / HDMI / S-video / VGA				
3D ready (optional)		Yes				
Calibration		Yes				
Lifetime (50% brightness)	h	100000				
Operating Humidity Range		10-95%				
Operating Temperature Range		-30°C / +50°C				
Screen Uniformity Correction		Yes				
Certification		CE / ETL / CCC				
Available options		90° angles, floor				
Compatibility		No				



TECHNICAL DRAWINGS





CONTACT

The Artixium regional branches are the key for the growth and development of our global network all over the world. Artixium's team is a spectrum of different nationalities and cultures, reflecting their global presence and mindset, mak-

ing their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

ARTIXIUM FRANCHISES

"From your project's conception to its completion."



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Since its creation in 2012 by two european entrepreneurs, Artixium has been evolving and always looking for innovative ways to contribute to the digital transition of our world. It only took a few years for Artixium to become a key player in the LED display industry.

www.artixium.com