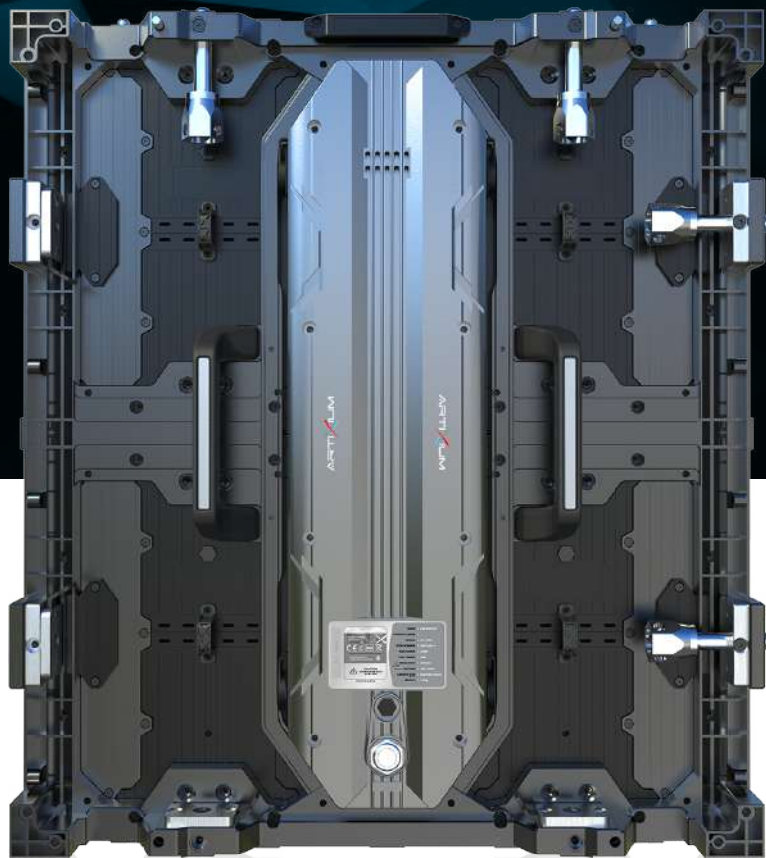




PALLADIUM

ULTRA HD OUTDOOR LED DISPLAY





OVERVIEW

The PALLADIUM is our newest Ultra HD LED cabinet dedicated to outdoor applications. With its front and back maintenance system, this product can accommodate most LED screen projects without any issue. This LED cabinet is the first on the market to offer ultra-fine pixels pitches for outdoor applications. In most cases, outdoor LED screens rely on the viewing distance to compensate for larger pixel pitches, but with the PALLADIUM you can create an outdoor display that will retain a high definition at a short viewing distance.



APPLICATION
Outdoor



BRIGHTNESS
≤ 4000 NITS @ 5 volts



INGRESS PROTECTION
IP65 (front) / IP54 (back)



WEIGHT
9 kg/cabinet



PIXEL PITCH
P1 P1.2 P1.5 P1.8 P2 P2.5



MATERIAL
Die-casting aluminum



DISPLAY AREA (W x H)
480 x 540 mm



MAINTENANCE
Front & back maintenance



FEATURES

511.5 x 576.4 x 87.6 mm

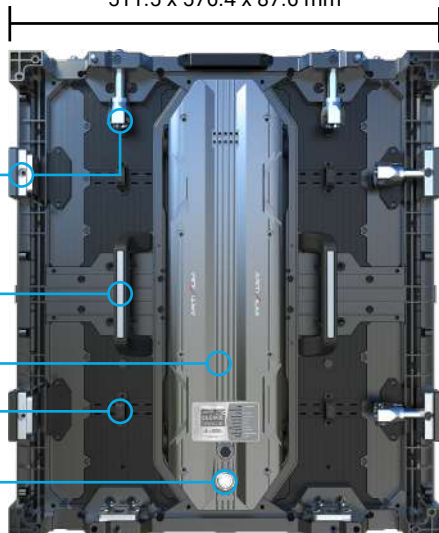
CABINET LOCKING SYSTEM

CABINET HANDLE

POWER BOX

MODULE HANDLE

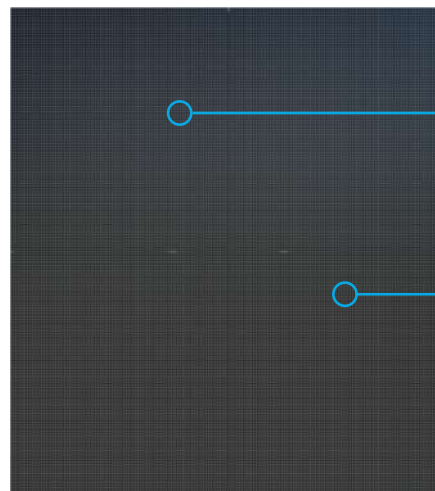
TEST BUTTON



MICRO X LEDS



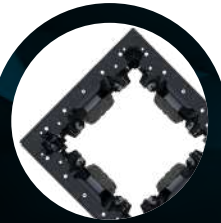
MAGNETIC FRONT ACCESS MODULES



16:9 GOLDEN RATIO

The PALLADIUM was specially designed to easily attain a 16:9 ratio. Paired with its ultra-fine pixel pitch, this property makes it extremely easy for you to

create a 2K to 8K giant LED screen. This LED cabinet is a high-end product, suited for the utmost prestigious LED display projects.



45° PROFILE FOR
90° APPLICATIONS



FRONT ACCESS
MAGNETIC MODULES



FULLY FRONT & BACK
MAINTENANCE

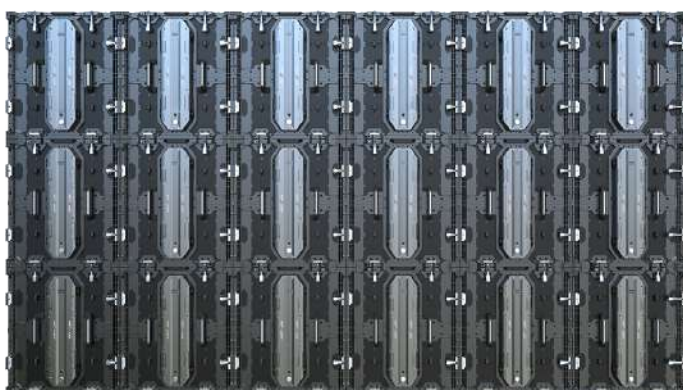
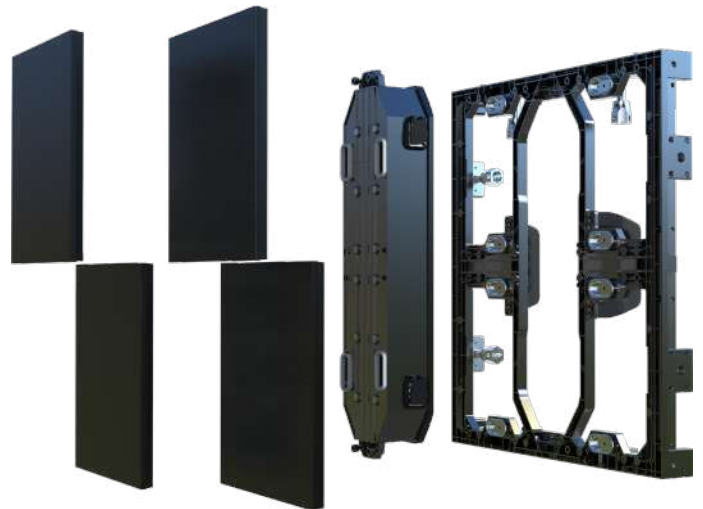
FRONT & BACK MAINTENANCE

To maximize its adaptability to any LED screen project, the PALLADIUM 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.

MICRO X TECHNOLOGY

The PALLADIUM is, with the IRIDIUM, 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. For outdoor LED screens, the Micro X technology is the best you can get.



FAST & EASY INTEGRATION

Some of the PALLADIUM's features were directly inspired by our Event Pro Touring range to facilitate its integration process. Each cabinet is lightweight enough to be managed by one person, it comes with cabinet and module handles, toolless locking systems, magnetic front access modules, etc. The installation could even be quickly managed by only one technician.



TECHNICAL SPECIFICATIONS

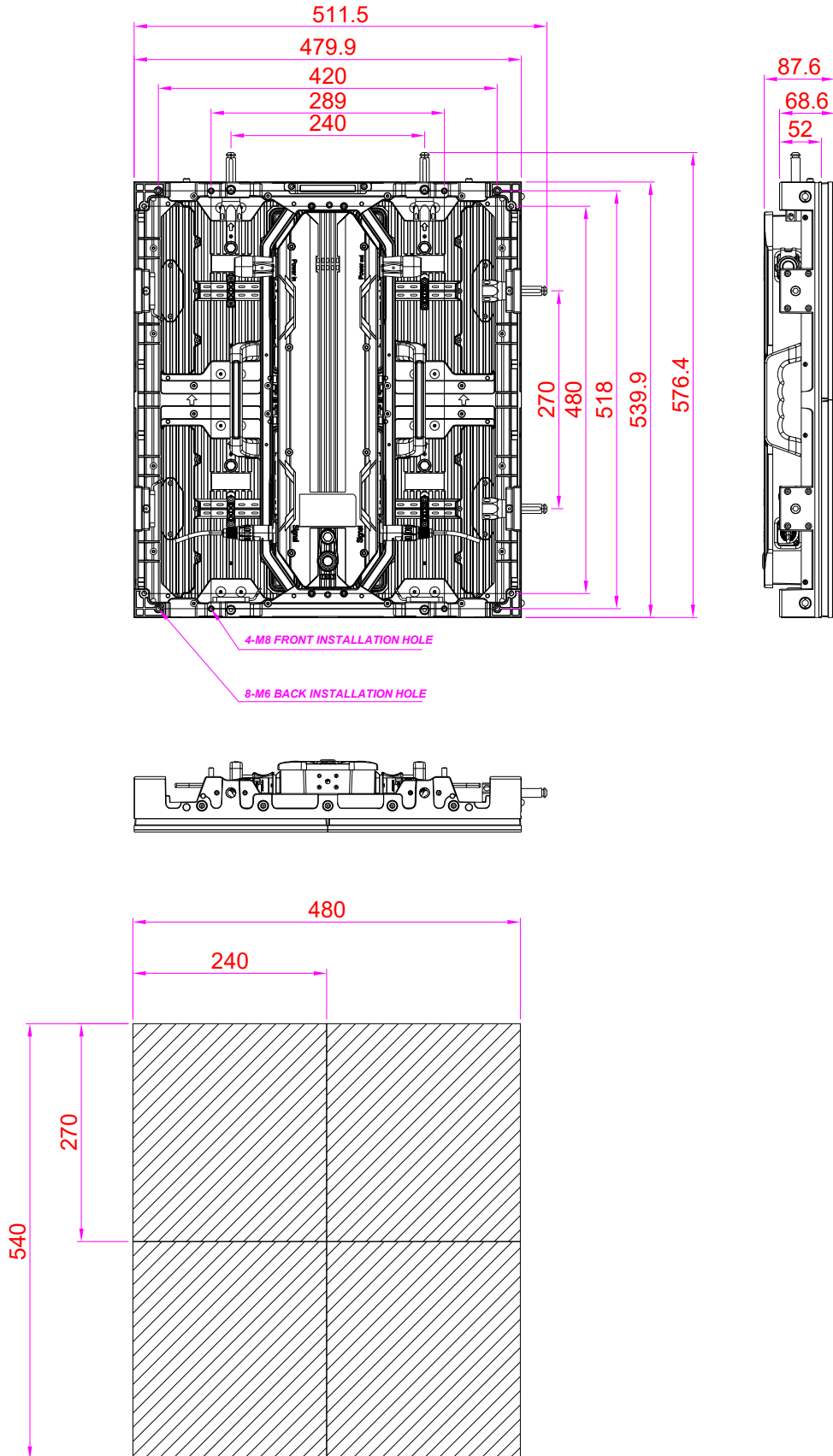
		OUTDOOR					
Product Parameters	Unit	1	1,2	1,5	1,8	2	2,5
Pixel Pitch	mm	1	1,25	1,5	1,88	2	2,5
LED		MicroX					
Application		Outdoor Ultra HD LED cabinet					
Ingress Protection	IP	IP65 (front) / IP54 (back)					
Brightness	cd/sqm	≤ 4000 Nits @5volts					
Color Temperature after calib (adjustable)	deg. K	6500					
Viewing Angle (50% brightness)	deg.	160 H / 160 V					
Cabinet Size (WxHxD)	mm	511.5 x 576.4 x 87.6					
Display area (WxH)	mm	480 x 540					
Module Size (WxHxD)	mm	240 x 270 x 13					
Pixel Matrix Per Cabinet (WxH)	px	480 x 540	384 x 432	320 x 360	256 x 288	240 x 270	192 x 216
Pixel Matrix Per Module (WxH)	px	240 x 270	192 x 216	160 x 180	128 x 144	120 x 135	96 x 108
Pixel Density	px/sqm	1000000	640000	444444	284444	250000	160000
Weight of cabinet	kg	9					
Cabinet Material		Die-casting aluminum					
Maintenance Mode		Front and back (tools required for front)					
Mask specification		95% Plastic + 5% Fiber / SS Screws / Shaders					
Contrast Ratio		High					
Grey scale (linear)	bit	16					
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	680W/sqm					
Average Power Consumption	W/sqm						
Control Mode		Synchronization					
Video Frame Rate	Hz	50/60Hz					
Input Types Supported		DVI / SDI / HDMI					
3D ready (optional)		yes					
Calibration		yes					
Lifetime (50% brightness)	h	50000					
Operating Humidity Range		10-95%					
Operating Temperature Range							
Screen Uniformity Correction		-					
Certification		CE / ETL / CCC					
Available options		90° angles					
Compatibility							



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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