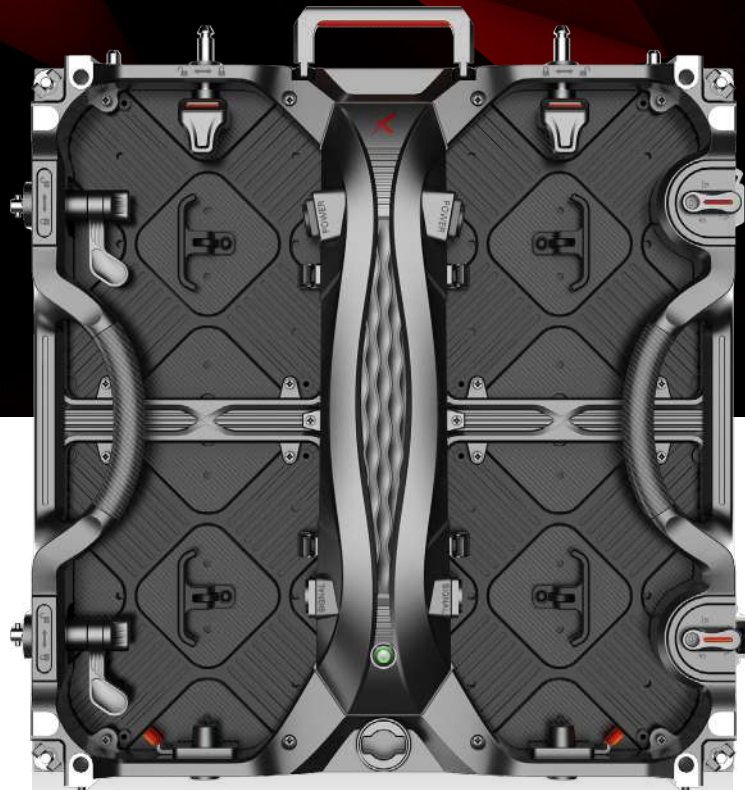# AYRGON 3.0

PRO TOURING LED CABINET

OVERVIEW

The AYRGON 3.0 is the newest version of our AYRGON Pro Touring series. It is both lighter and more cost-effective energy-wise than its predecessor while retaining all the features that make it an ideal touring LED solution.

APPLICATION
Indoor / Outdoor

INGRESS PROTECTION
IP30 (indoor)
IP65 (outdoor)

PIXEL PITCH
P2.6 P3.9 (indoor)
P3.9 P4.8 (outdoor)

DISPLAY AREA (W x H)
500 x 500 mm
500 x 1000 mm

BRIGHTNESS
≤ 800 NITS (indoor)
≤ 4500 NITS (outdoor)

WEIGHT
8 - 14 kg/cabinet

MATERIAL
Die-casting aluminum

MAINTENANCE
Front & back maintenance

FEATURES

500 x 1000 x 83 mm

CABINET HANDLE

LOCKING SYSTEM

CABINET HANDLE

TEST BUTTON

MODULE HANDLE
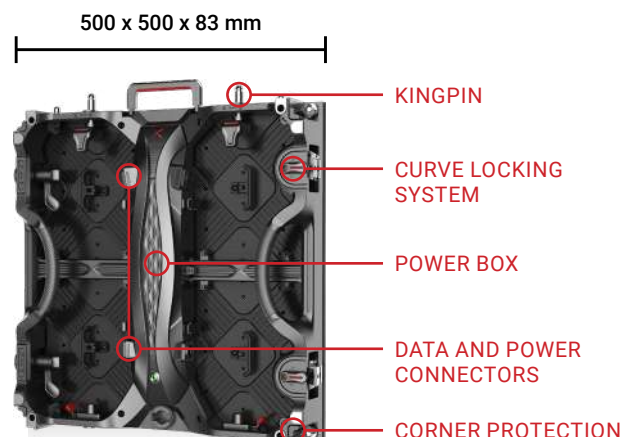
LOCKING SYSTEM
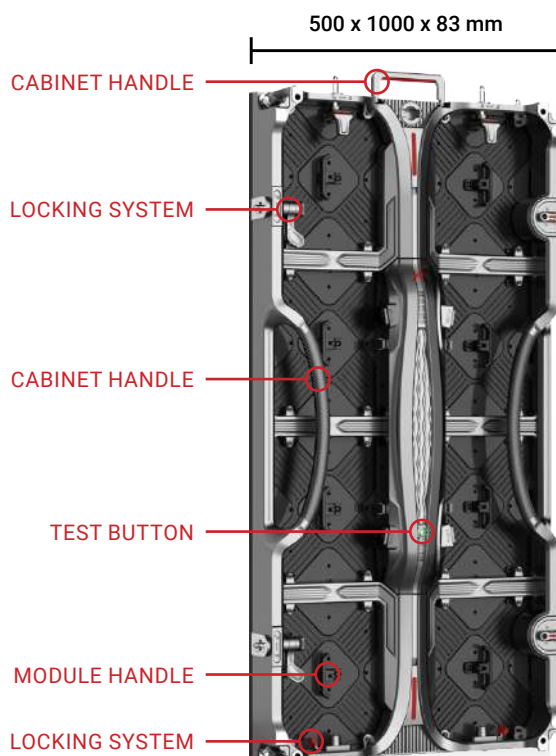
The AYRGON 3.0 is available in two sizes compatible with one another. Its features were designed to ease its installation and removal without damaging the cabinets, making it a perfect touring LED cabinet.

500 x 500 x 83 mm

KINGPIN

CURVE LOCKING SYSTEM

POWER BOX

DATA AND POWER CONNECTORS

CORNER PROTECTION

BACK & FRONT ACCESS

In order to ease the installation and maintenance process, we designed the Ayrgon 3.0 to be fully accessible both from the front and from the back. This feature allows you to integrate your rental LED screen in any location you want and still be sure of its quick and easy maintenance.
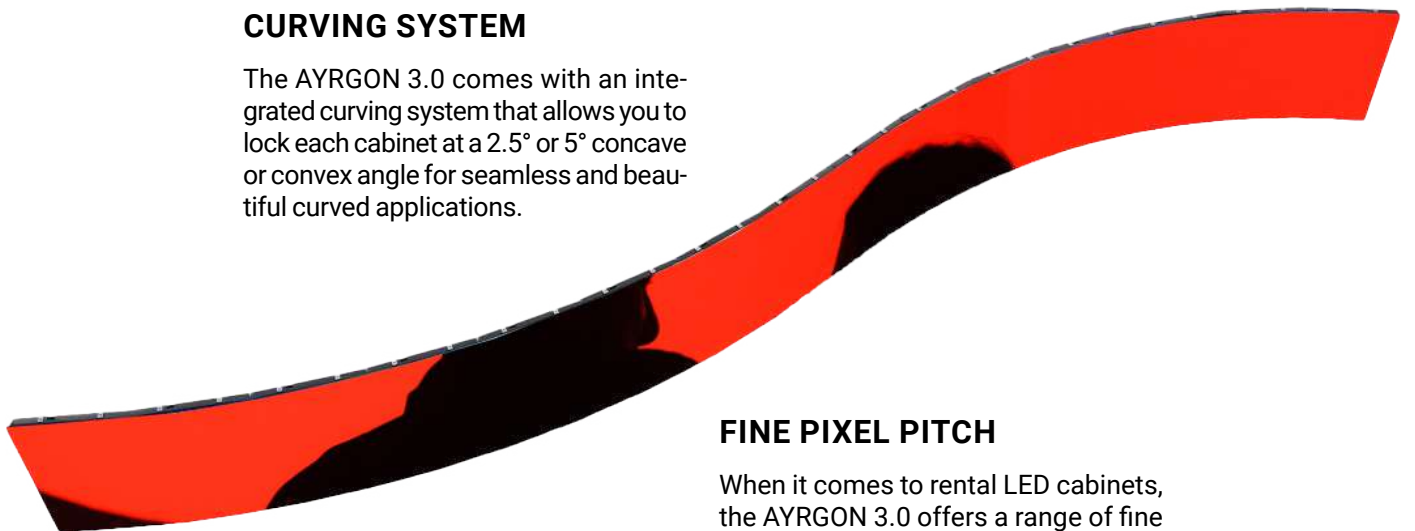
CURVING SYSTEM INTEGRATED

MULTIPLE INTEGRATION METHODS POSSIBLE
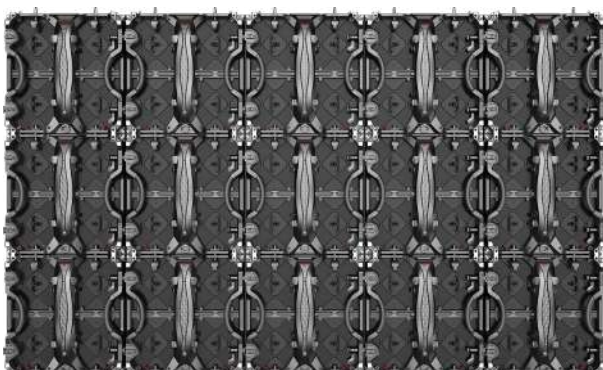
BACK & FRONT ACCESS

CURVING SYSTEM

The AYRGON 3.0 comes with an integrated curving system that allows you to lock each cabinet at a 2.5° or 5° concave or convex angle for seamless and beautiful curved applications.

FINE PIXEL PITCH

When it comes to rental LED cabinets, the AYRGON 3.0 offers a range of fine indoor and outdoor pixel pitches, ranging from P2.6 to P4.8. Coupled with a high contrast ratio, guaranteed by our ultra-black module design, these fine pitches will allow you to display astonishing and vivid visual content for your customer's audiences at every use of your rental LED screen.
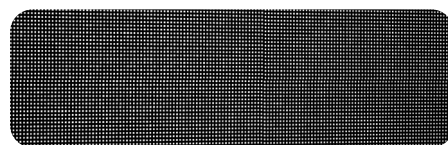
ADAPTABLE ACCESSORIES

We can provide multi-function hanging bars that can also be used as ground beams, making your rental fleet even more adaptable.

IP65

The outdoor version of the AYRGON 3.0 is fully resistant to dust ingress and even high-pressure water projections. This product will stay true to its original condition no matter what.
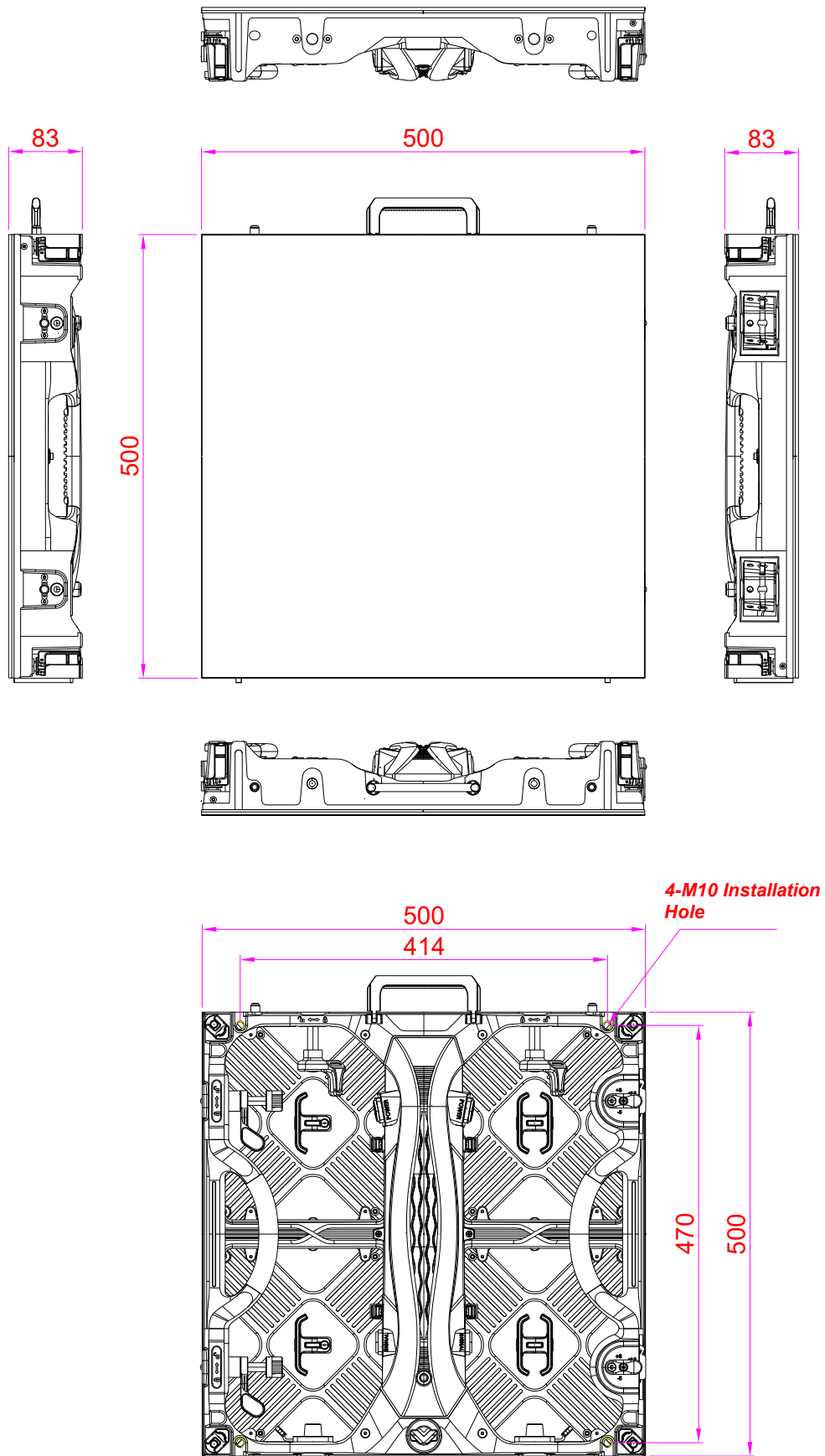
TECHNICAL SPECIFICATIONS

Product Parameters	Unit	INDOOR		OUTDOOR	
		2.6	3.9	3.9	4.8
Pixel Pitch	mm	2,60	3,91	3,91	4,81
LED		SMD1515	SMD2020	SMD1515	SMD1921
Application		Evolution of Ayrgon 2.0 (touring system)			
Ingress Protection	IP	IP30		IP65	
Brightness	cd/sqm	≤ 800 Nits @5volts		≤ 4500 Nits @5volts	
Color Temperature after calib (adjustable)	deg. K	6500			
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V			
Cabinet Size (WxHxD)	mm	500 x 500 x 83	500 x 500 x 83 / 500 x 1000 x 83		
Display area (WxH)	mm	500 x 500	500 x 500 / 500 x 1000		
Module Size (WxHxD)	mm	250 x 250 x 15		500 x 250 x 15	250 x 250 x 15
Pixel Matrix Per Cabinet (WxH)	px	192 x 192	128 x 128 / 128 x 256	128 x 128 / 128 x 256	104 x 104 / 104 x 208
Pixel Matrix Per Module (WxH)	px	96 x 96	64 x 64	128 x 64	52 x 52
Pixel Density	px/sqm	147456	65536	65536	43264
Weight of cabinet and modules	kg	8 - 14			
Cabinet Material		Die-casting aluminum			
Maintenance Mode		Back & 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	AC85-230V			
Max. Power Consumption	W/sqm	450		600	
Average Power Consumption	W/sqm	150		200	
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		-10°C / +50°C		-20°C / +60°C	
Screen Uniformity Correction		Below 0.0001 (Out of Control point)			
Certification		CE / ETL / CCC			
Features		-			
Compatibility		Different sizes compatible with each other			

500 X 500 X 83 MM
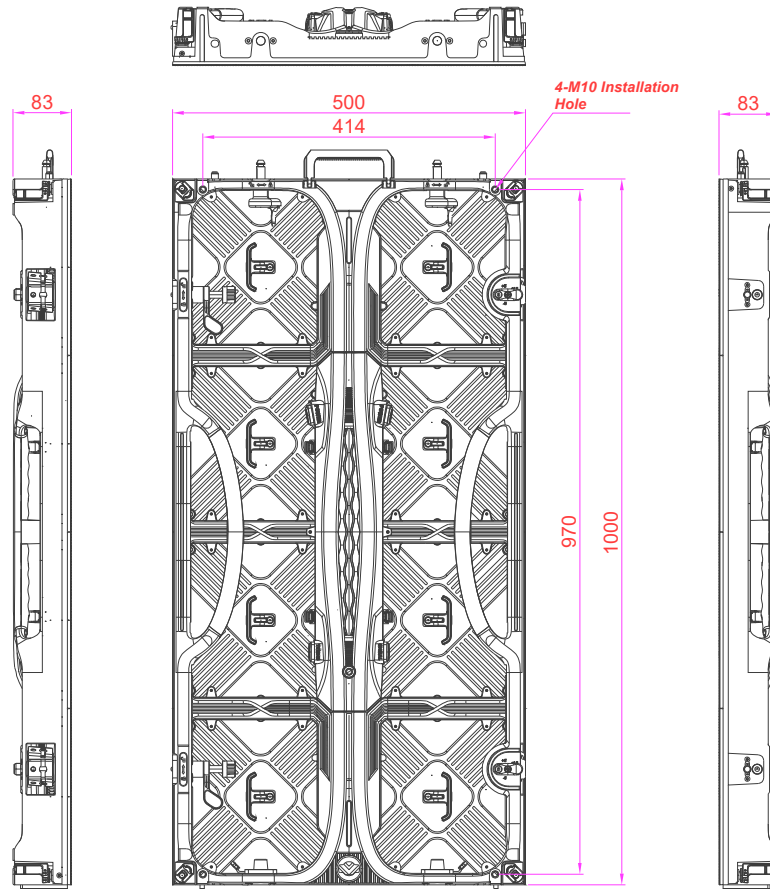
83   500   83

500

500   500

414

4-M10 Installation Hole

470   500

500 X 1000 X 83 MM

4-M10 Installation Hole

83

500

414

970

1000

83

500

1000

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, making 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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ARTI**X**IUM®

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.

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