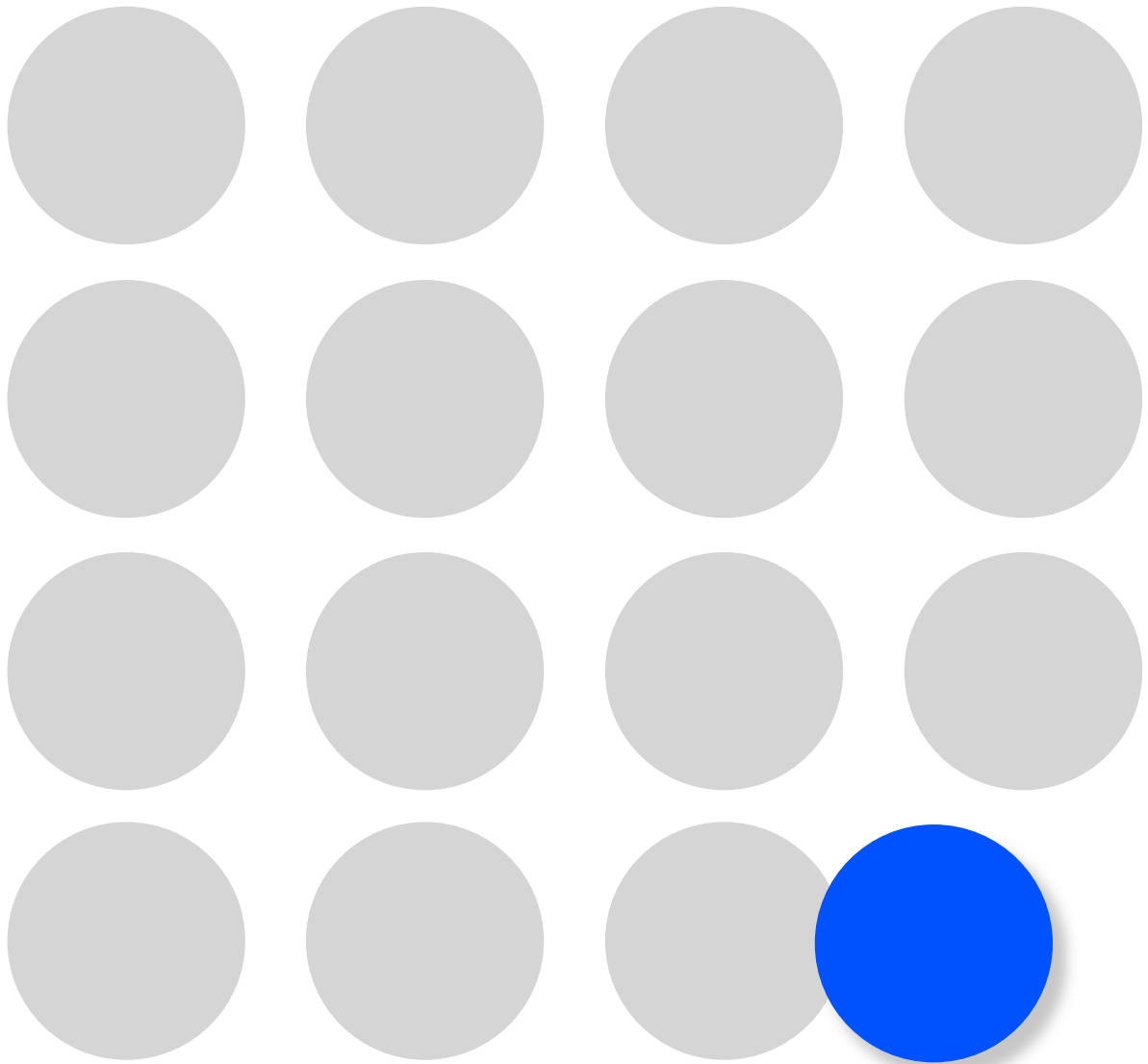




Product Catalog

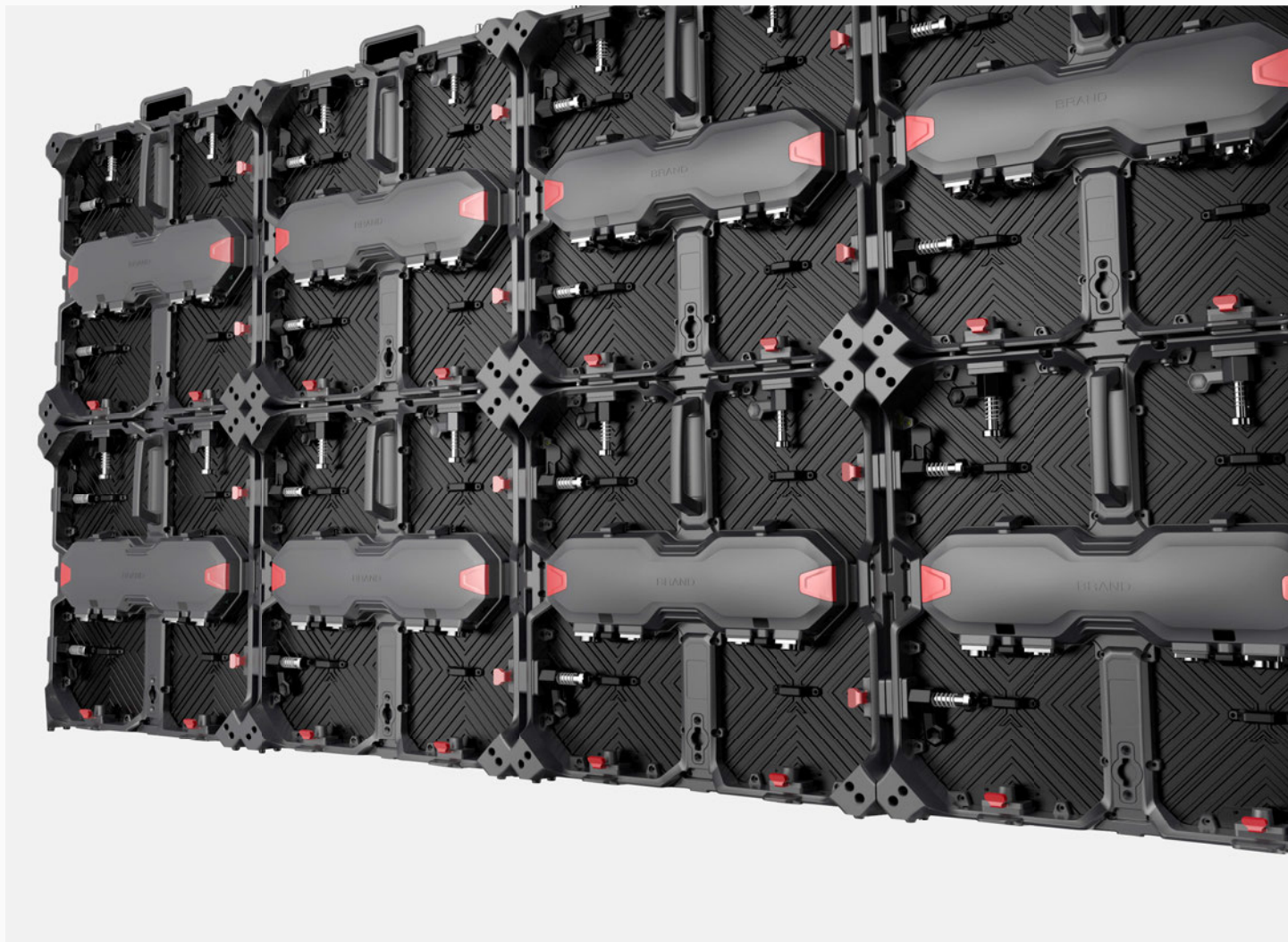
Matrix 500 Series

doit

www.doitvision.com

Matrix 500

Solution for premium indoor & outdoor rental display



Lightweight



16 bits

16 bits

7680Hz

3840Hz/7680Hz

6500nits

6500 nits



Color uniformity



GOB(optional)



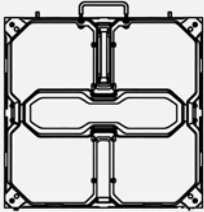
IP65



Curve install

Matrix 500

Matrix is a high-end LED rental display screen renowned for its robust durability, ease of use, and excellent image quality. The Matrix500 series features a standard modular design, compatible with various pixel pitches for both indoor and outdoor use.

	Model	RMI-2.6	RMI-2.9	RMI-3.9	RMO-2.9	RMO-3.9	RMO-4.8
	Pixel Pitch	2.6mm	2.9mm	3.9mm	2.9mm	3.9mm	4.8mm
	Pixel Size	500x500x78mm/19.69"x19.69"x3.07"(WxHxD)					

Models



RMI-2.6



RMI-2.9



RMI-3.9



ROM-2.9



ROM-3.9



ROM-4.8



Lightweight

Aluminum die-casting
7kg per panel



16 bits

High grayscale up to 16 bits

7680Hz

3840Hz/7680Hz

LEDs in camera
refresh rate up to 7680Hz

6500nits

6500 nits

For outdoor models up to 6500 nits
high brightness



Color uniformity

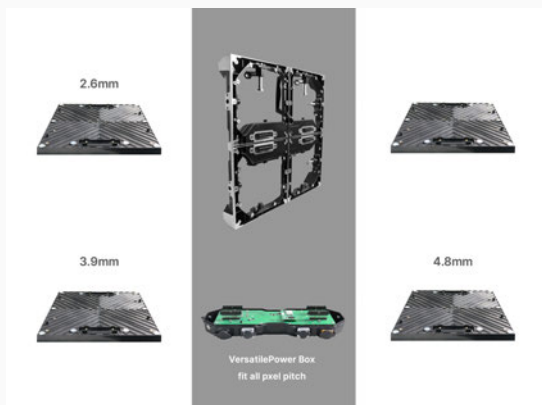
Calibration for LEDs before delivery



GOB(optional)

Glue on board(GOB) for LED modules
available

Features



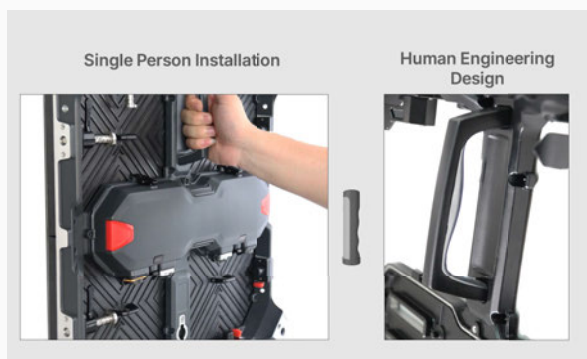
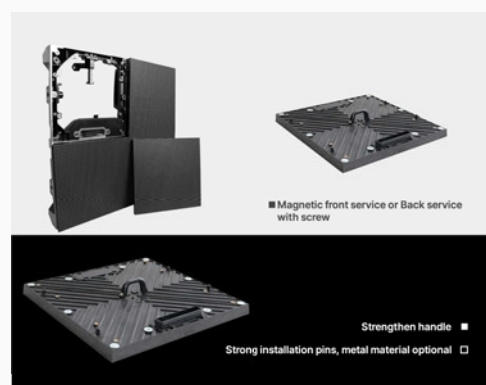
One platform, full pixel pitch

The Matrix500 series uses the same cabinet frame and control box for both indoor and outdoor models. This effectively ensures the compatibility of all models in the series, allowing them to share the same components and saving on the cost of different parts when owning different models, as well as saving space.

Strengthen LED module

Highly durable, reinforced engineering plastic module chassis. Strong magnets ensure a perfect fit between the module and the cabinet frame, guaranteeing flatness and seamless splicing.

The handle will not be damaged even with high-frequency use

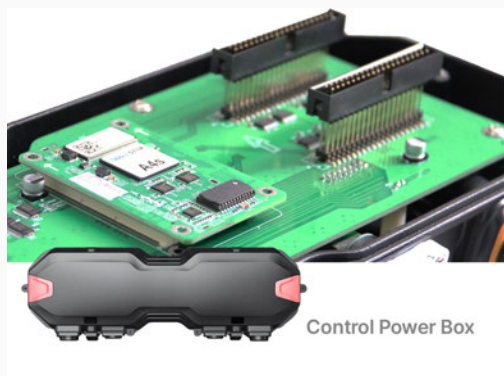
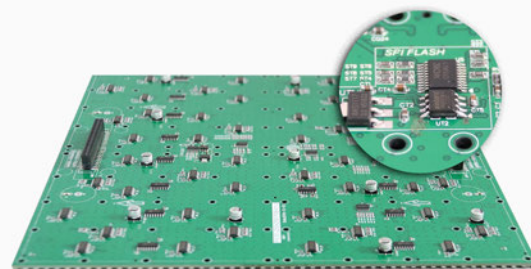


Ergonomics panel handle

The ergonomically designed handle with protective silicone at the bottom facilitates single-handed installation without scratching the hands, thus protecting the installer.

High-end 4 or 6 layers FR4 PCB

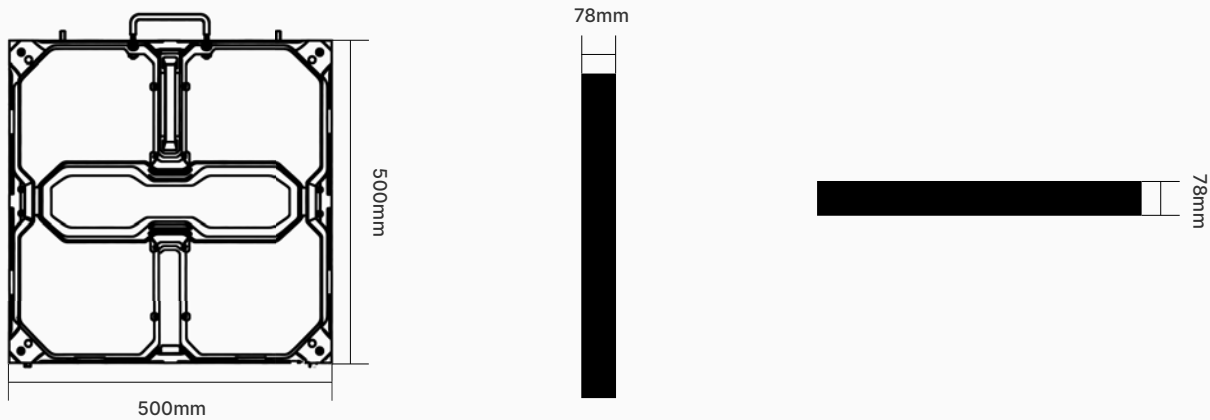
PCB material is selected to ensure that the internal circuitry can withstand higher currents and maintain stable operation even under frequent current surges. The circuit design, based on EMC Class B standards, features a rational arrangement of electronic components and a more uniform heat dissipation design.



3-in-1 Power Control Box

Integrated universal hub board, hard-connected switching power supply and receiver card; bottom features power and signal connectors, compatible with Neutrik and Seetronics connectors.

Panel dimension



Specification

		RMI-2.6	RMI-2.9	RMI-3.9
Display	Pixel pitch(mm)	P2.6mm indoor	P2.9mm indoor	P3.9mm indoor
	Pixel configuration	SMD1515	SMD1515	SMD2121
	Pixel density(per sqm)	147,929	118,906	65,746
	Brightness(nits)	1000	1000	1100
	Scan mode	1/24	1/28	1/16
	Grayscale(bit)	16 bits	16 bits	16 bits
	LED module size	250mm x250mm x 17mm (W x H x D) 9.84"x9.84"x0.67"(WxHxD)	250mm x250mm x 17mm (W x H x D) 9.84"x9.84"x0.67"(WxHxD)	250mm x250mm x 17mm (W x H x D) 9.84"x9.84"x0.67"(WxHxD)
	Module resolution	96 x96	84 x84	64 x64
	Panel size	500mmx500mmx78mm(WxH xD) 19.69" x 19.69" x 3.07" (W x H x D)	500mmx500mmx78mm(WxH xD) 19.69" x 19.69" x 3.07" (W x H x D)	500mmx500mmx78mm(WxH xD) 19.69" x 19.69" x 3.07" (W x H x D)
	Panel resolution	192 x 192	168 x 168	128 x128
	Panel weight	7.3kg / 16.09lb	7.3kg / 16.09lbs	7.3kg / 15.65lbs
	Viewing angle(H/V)	160°/160°	160°/160°	160°/160°
	Input voltage(AC)	AC100~240V 50/60 HZ	AC100~240V 50/60 HZ	AC100~240V 50/60 HZ
	Power Con.(Max/Avg)	200w/sqm(Avg) 640W/sqm(Max)	200w/sqm(Avg) 600W/sqm(Max)	220w/sqm(Avg) 680W/sqm(Max)
	Refresh rate(Hz)	≥3840	≥3840	≥3840
	Working temperature	-20°~60°	-20°~60°	-20°~60°
	Lifespan(hrs)	>100,000(hrs),	>100,000(hrs),	>100,000(hrs),
	IP Rate	IP31/IP31	IP31/IP31	IP31/IP31
Control	Warranty	24 months	24 months	24 months
	Inputs	DVI/HDMI	DVI/HDMI	DVI/HDMI
	Control mode	Synchronous& Asynchronous	Synchronous& Asynchronous	Synchronous& Asynchronous
	Control system	Novastar/Colorlight/Brompton	Novastar/Colorlight/Brompton	Novastar/Colorlight/Brompton

		RMI-2.9	RMI-3.9	RMI-4.8
Display	Pixel pitch(mm)	P2.9mm outdoor	P3.9mm outdoor	P4.8mm outdoor
	Pixel configuration	SMD1415	SMD1921	SMD1921
	Pixel density(per sqm)	112,896	65,536	43,264
	Brightness(nits)	4500	4500	4500
	Scan mode	1/21	1/16	1/13
	Grayscale(bit)	16 bits	16 bits	16 bits
	LED module size	250mm x250mm x 17mm (W x H x D) 9.84"x9.84"x0.67"(WxHxD)	250mm x250mm x 17mm (W x H x D) 9.84"x9.84"x0.67"(WxHxD)	250mm x250mm x 17mm (W x H x D) 9.84"x9.84"x0.67"(WxHxD)
	Module resolution	84x84	64x64	52x52
	Panel size	500mmx500mmx78mm(WxH xD) 19.69" x 19.69" x 3.07" (W x H x D)	500mmx500mmx78mm(WxH xD) 19.69" x 19.69" x 3.07" (W x H x D)	500mmx500mmx78mm(WxH xD) 19.69" x 19.69" x 3.07" (W x H x D)
	Panel resolution	168x168	128 x 128	104x 104
	Panel weight	7.8kg / 17.19lbs	7.8kg / 17.19 lbs	7.7kg / 16.97lbs
	Viewing angle(H/V)	160/160	160/160	160/160
	Input voltage(AC)	AC100~240V 50/60 HZ	AC100~240V 50/60 HZ	AC100~240V 50/60 HZ
	Power Con.(Max/Avg)	200w/sqm(Avg) 640W/sqm(Max)	200w/sqm(Avg) 600W/sqm(Max)	220w/sqm(Avg) 680W/sqm(Max)
	Refresh rate(Hz)	≥3840	≥3840	≥3840
	Working temperature	-20°~60°	-20°~60°	-20°~60°
	Lifespan(hrs)	>100,000(hrs)	>100,000(hrs)	>100,000(hrs)
Control	IP Rate	IP65/IP65	IP65/IP65	IP65/IP65
	Warranty	24 months	24 months	24 months
	Inputs	DVI/ HDMI	DVI / HDMI	DVI/ HDMI
	Control mode	Synchronous& Asynchronous	Synchronous& Asynchronous	Synchronous& Asynchronous
	Control system	Novastar/Colorlight/Brompton	Novastar/Colorlight/Brompton	Novastar/Colorlight/Brompton

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Leds do it
Success lies in action

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