Mounting Kit

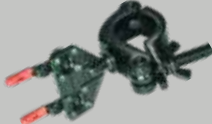**New** FA Lock   **New** FA Dock   AM Lock

Ultralight Outdoor Mesh LED Display System

Leyard® CarbonLight™ CLM M3 Series is a unique carbon Mesh LED display system, especially developed and proven for the demanding use in rental and staging applications.

This new Leyard flagship product achieves the lightest weight per square meter in its class, using Leyard patented fibre moulding technology. The latest outdoor small SMD and clever input module design enables a transmittance of 45% with a minimum pitch of 6mm. The product is further enhanced by a new compact and lightweight power supply unit and control system which also enables automatic power supply backup operation, providing high reliability for live shows and events. Its unique refresh rate and LED driver control improve the ability to calibrate the image quality even at low brightness levels, making it an ideal solution for even the most challenging broadcast environments.
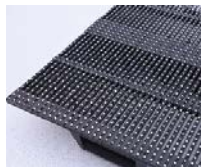
Carbon fiber panel frame
Lighter weight than metallic aluminium but stronger than iron and steel

Transparent mesh design
Low wind resistance and high transparency

Status LCD display
With self-test function and indicating working status

Optional dual power supply backup
Dual power supply option for reliable operation.

45 degree oblique angle design
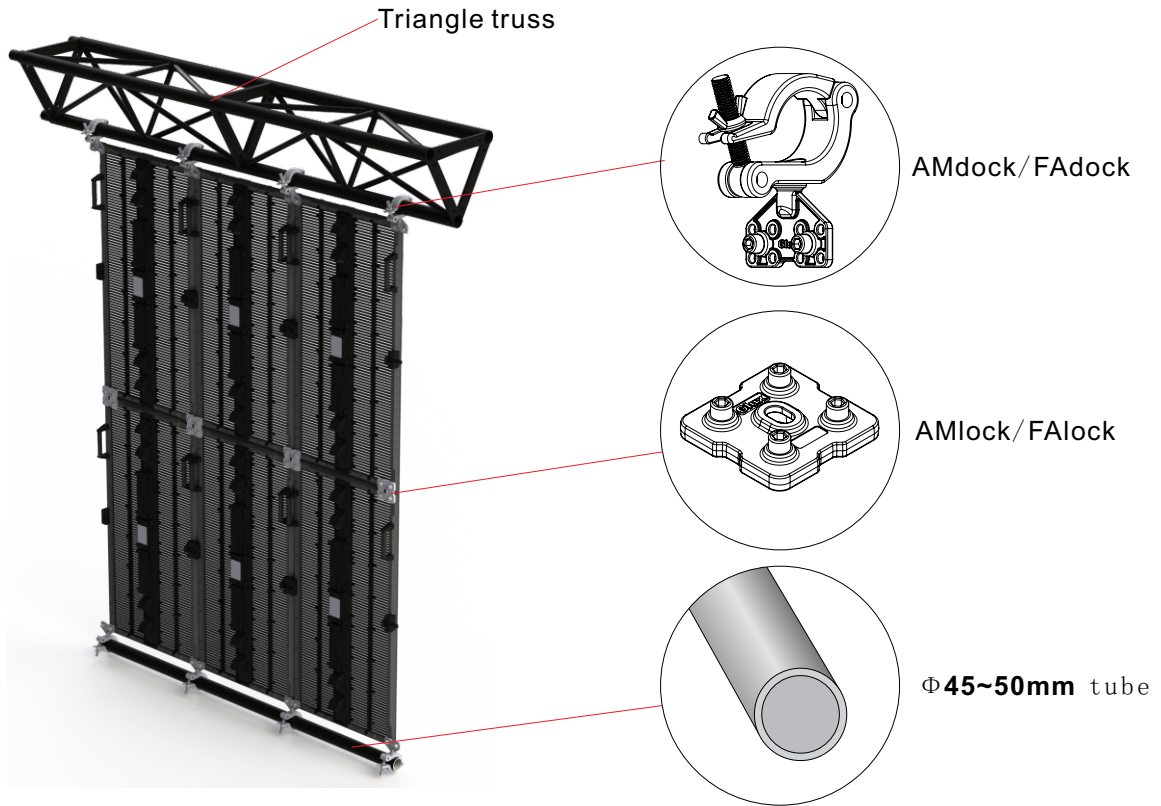Double sided 45 degree edge design, supporting 90-270 degree LED surface angle combination.

Front service available
Module front access.Cabinet front/rear access.
Modular design idea.
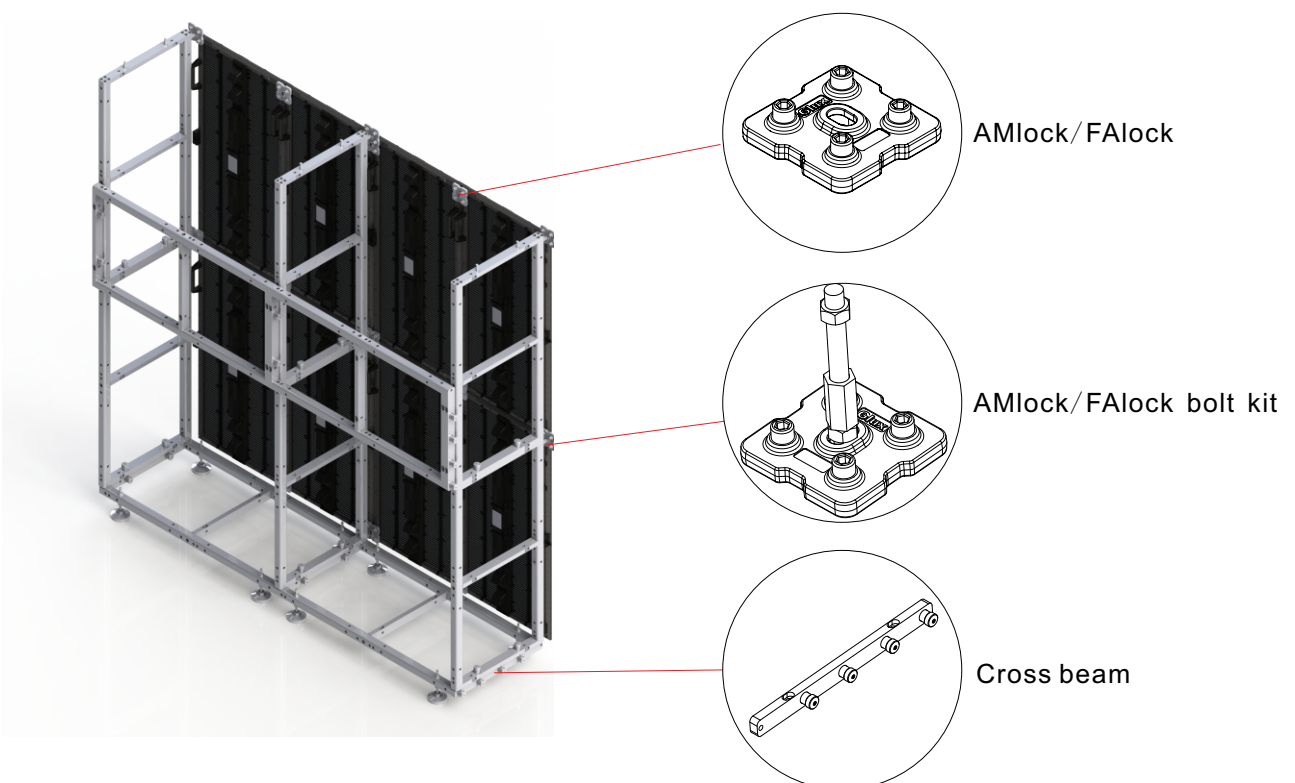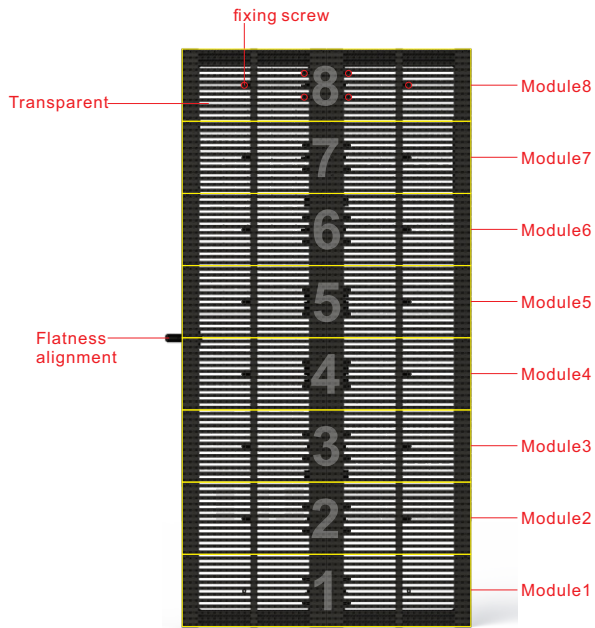Tool free for PSU, receiving card replacement.

Truss Hanging

Triangle truss
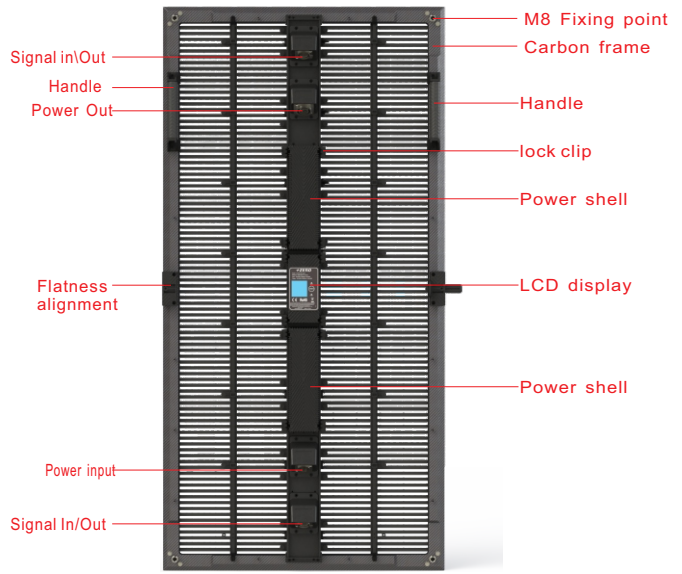
AMdock／FAdock

AMlock／FAlock

Φ**45~50mm** tube

Standing Installation

AMlock／FAlock

AMlock／FAlock bolt kit

Cross beam

fixing screw

Transparent

8 — Module8

7 — Module7

6 — Module6

5 — Module5

Flatness alignment

4 — Module4

3 — Module3

2 — Module2

1 — Module1

Front view

Signal in\Out
Handle
Power Out

Flatness alignment

Power input

Signal In/Out

M8 Fixing point
Carbon frame

Handle

lock clip

Power shell

LCD display

Power shell

Back view

499.60 mm

456.05 mm

956.05 mm

999.60 mm

4-M8

77.03 mm

999.60 mm

77.03 mm

499.60 mm

90.55 mm

22.00 mm
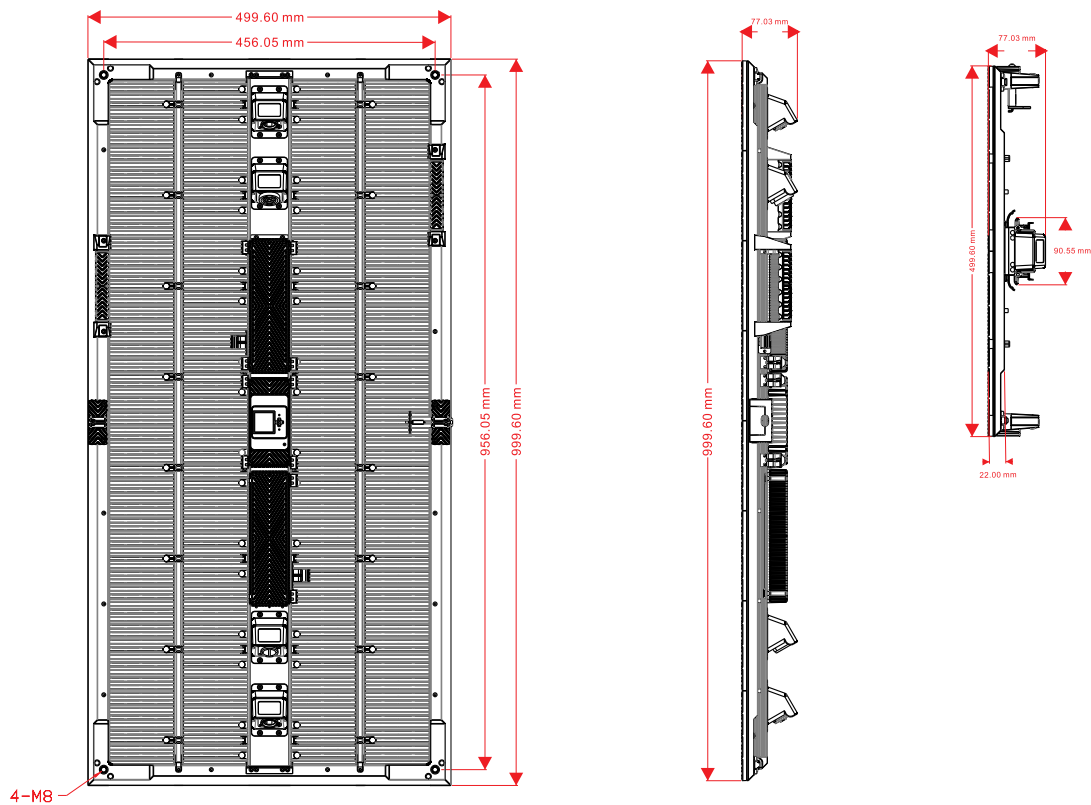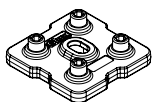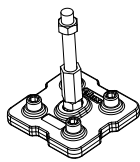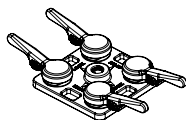
AMlock **AMLock+ bolt kit** **FAlock** **FALock+ bolt kit** **AMdock** **FAdock**
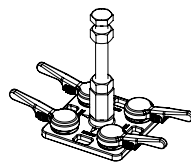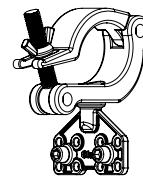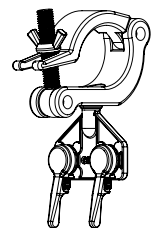
Leyard CLM M3 Series Specifications

Model	CLM6 1000	CLM10 1000
LED Type	SMD1921	SMD3535
Pixel Pitch *(mm)*	6.94	10.41
Cabinet Resolution *(pixels)*	72 x 144	48 x 96
Pixel Density *(pixels/m²)*	20,736	9,216
Max. Brightness *(cd/m²)*	≥ 5,000	≥ 5,000
Greyscale *(bit)*	14 bit	
Refresh Rate *(Hz)*	3840	3840
Frame Rate *(Hz)*	50/60 Hz	
Scan Mode	1/6	1/3
Contrast	2,000 : 1	
Colour Temperature *(K)*	3,500 ~ 9,000K (Factory Default: 6,500K)	
Viewing Angle *(H/V)*	140° / 140°	
External Size *(mm)*	W500 × H1,000 × D77	W500 × H1,000 × D77
Weight *(kg/panel)*	7.4	7.4
Material	Carbon Fiber	
Vertical Load Capacity	FAdock/lock:1000 | AMdock/lock:500	
LED Average Lifetime	100,000 hours	
Power Supply Unit	Dual	Dual
Power Supply *(V)*	AC 100 ~ 240V, 50/60 Hz	
Max. Power Consumption *(panel | m²)*	300 W | 600 W	300 W | 600 W
Avg. Power Consumption *(panel | m²)*	100 W | 200 W	100 W | 200 W
Operating Conditions	-20 ~ 40 °C, 10% ~ 90% RH	
Storage Conditions	-35 ~ 60 °C, 10% ~ 85% RH	
Protection Rating	IP65	
Input Signal Type	CAT6	
Safety Certification	FCC, cTÜVus, CE, 3C, RoHS	

Accessories For Your Rental and Staging System

Leyard CarbonLight CLM Series LED Displays offer accessories to enhance modular LED video wall systems for rental and staging applications:

500mm / 500mm

1000mm / 500mm
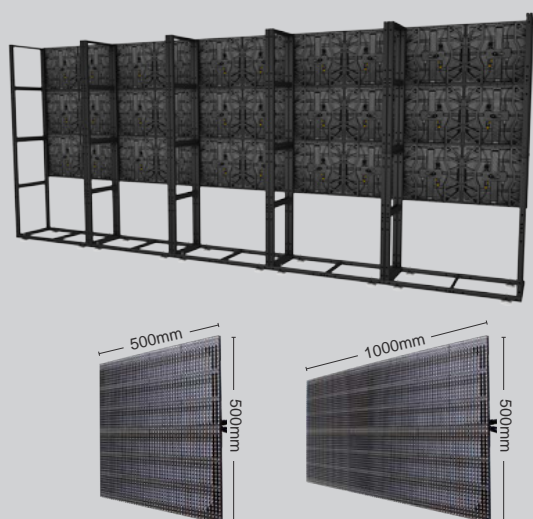
Modular Ground Support
Modular floor stand for ease of set-up and teardown of standing or hanging video wall configurations

Details