UMINI P INSTALLATION GUIDE

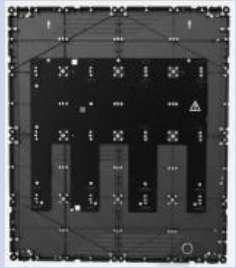
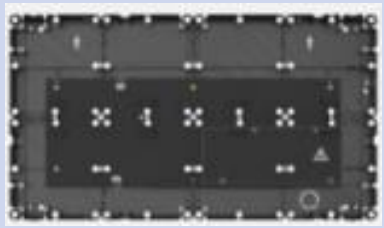
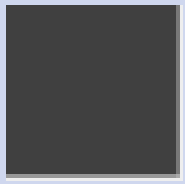
SAMPLE REFERENCE (P1.2, 4X4PCS, 2K LED)

Unilumin Distribution GTM team

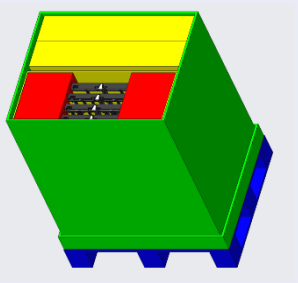
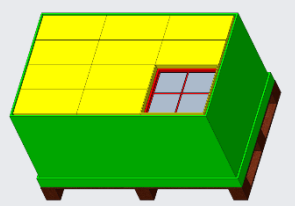
PART 1

BOX PACKAGE INTRODUCTION

1) Carton Box Packaging Introduction

Item	UMini P (600*675mm) (Non-main promotion)	UMini P (600*337.5mm)	Module Packaging
Package Size (L*W*H)	664*263*741mm	664*263*403mm	402*364*314mm
QTY	4-in-1	4-in-1	64-in-1
Picture			
Package Ref.			

2) Heavy-duty Cartons Packging

Item	UMini P (600*675mm) (Non-main promotion)	UMini P (600*337.5mm)	Module Packaging
Package Size (L*W*H)	Internal Size: 680*550*820mm Pallet: 730*600*114mm	Internal Size: 680*550*820mm Pallet： 730*600*114mm	Internal Size: 1225*750*640mm Pallet： 1275*800*114mm
QTY	2-in-1 (8 sets)	4-in-1 (16 sets)	12-in-1 (768pcs)
Picture			
Package Ref.		 	 

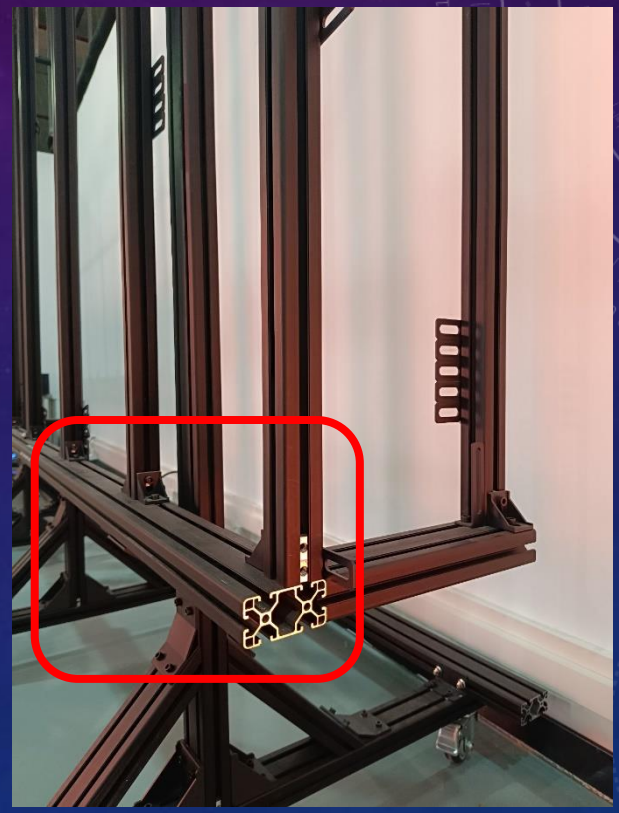
PART 2

REQUIREMENT OF LED SCREEN-RELATED STEEL STRUCTURE

1. Requirement of Steel Structures



Bottom weight-bearing tube



1) Steel structures have to be firmly fixated to the moving showcase platform/load-bearing wall, and size production need standard (same requirements to wall-mounting installation)
2) The bottom-bearing tube is mandatory and has to be kept level with the ground (±1mm). Meanwhile, need laser level measurement to double confirm
3) Standard steel bracket tubes: 40mm*40mm。

PART 3

PREPARATION OF UNPACKING MATERIALS

STEP 1：PREPARATION OF MATERIALS









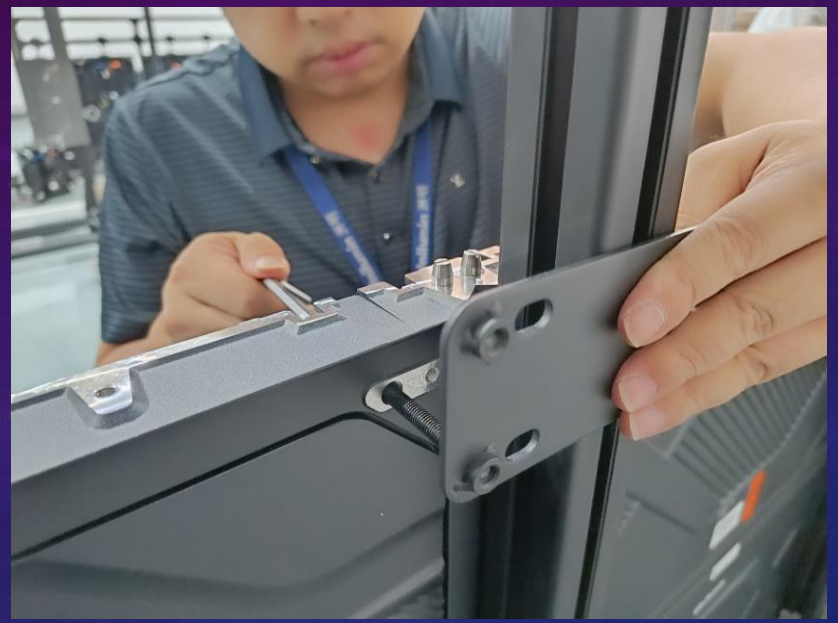
1) Heavy-Duty Cartons: For cabients (including 4 boxes, each containing 4 cabinets, total 16 cabinets)
2) Heavy-Duty Cartons: For modules (enclosed by vacuumed plastic boxes, with subdivision of module A/B(up/down); total 2 cartons, each containing 64pcs modules, total 128pcs modules.)
3) Heavy-Duty Cartons:： Installation Accesories and other spares

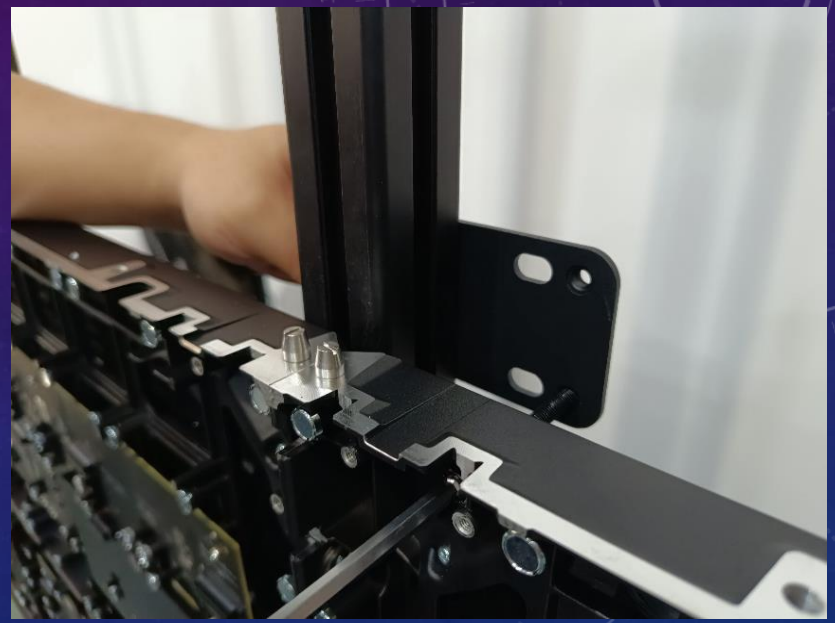
PART 4

CABINET ASSEMBLY

STEP 1：FIXING THE CABINET

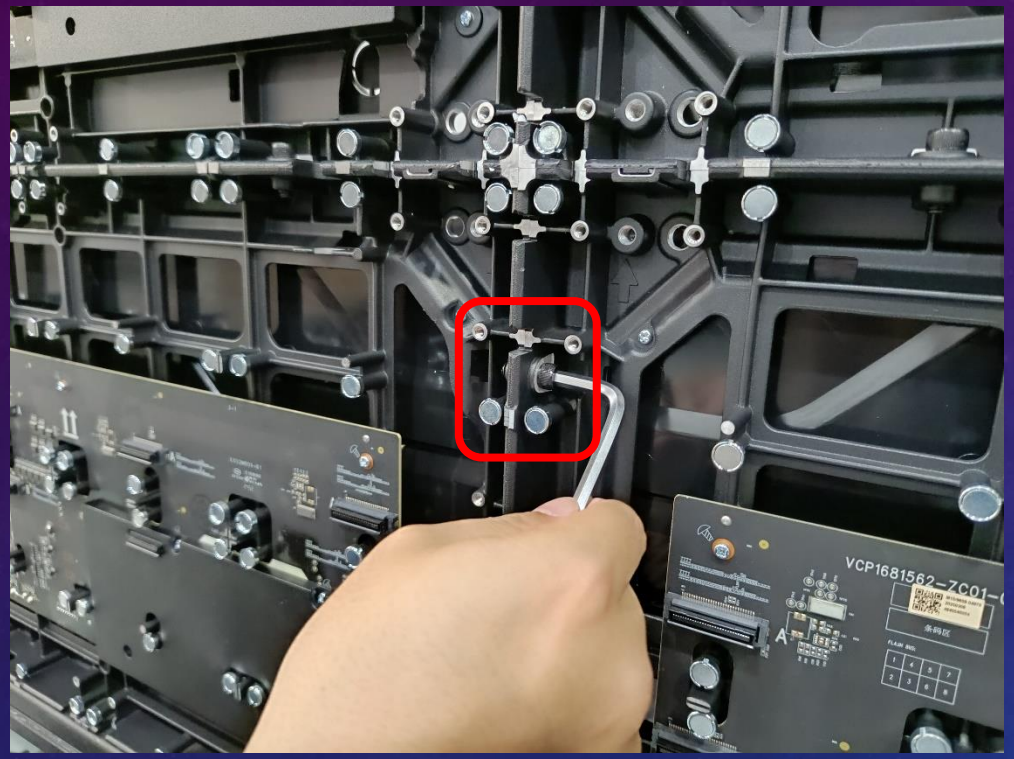


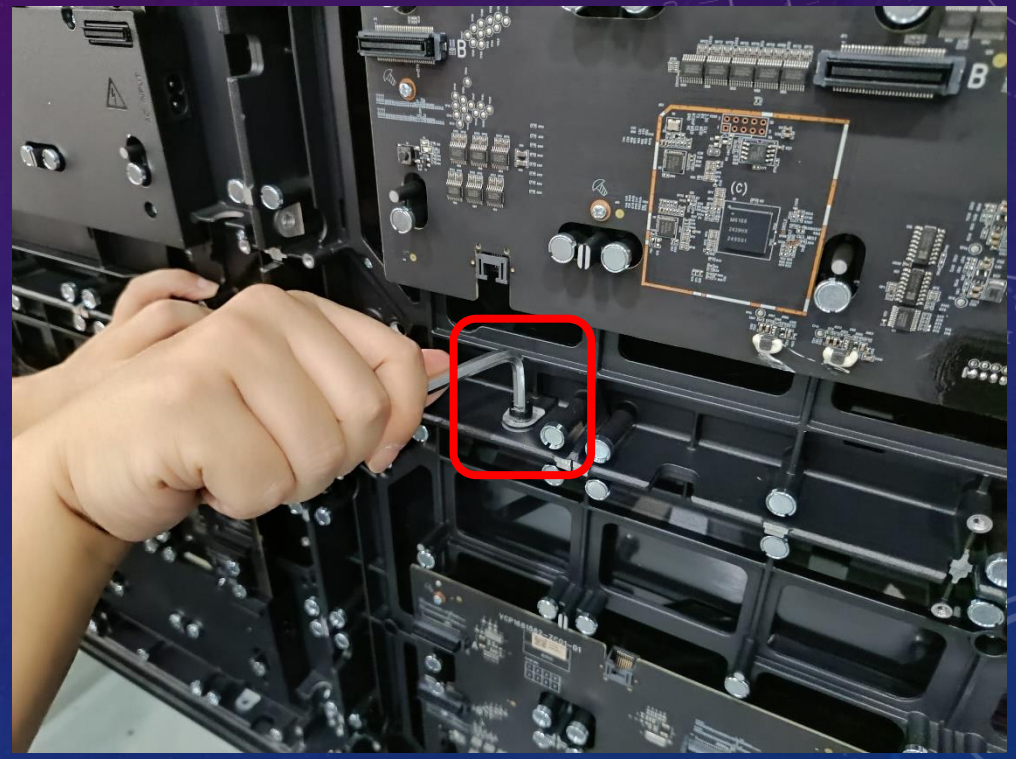




1) Place the cabinets on the weight-bearing tube
2) Attach the cabinets closely to the steel frames, connect the installation plates (front/rear integrated installation plates, picture is template of front installation), then lock the cabinets with M6*55 screws (Tips: pls don't tighten the screw)

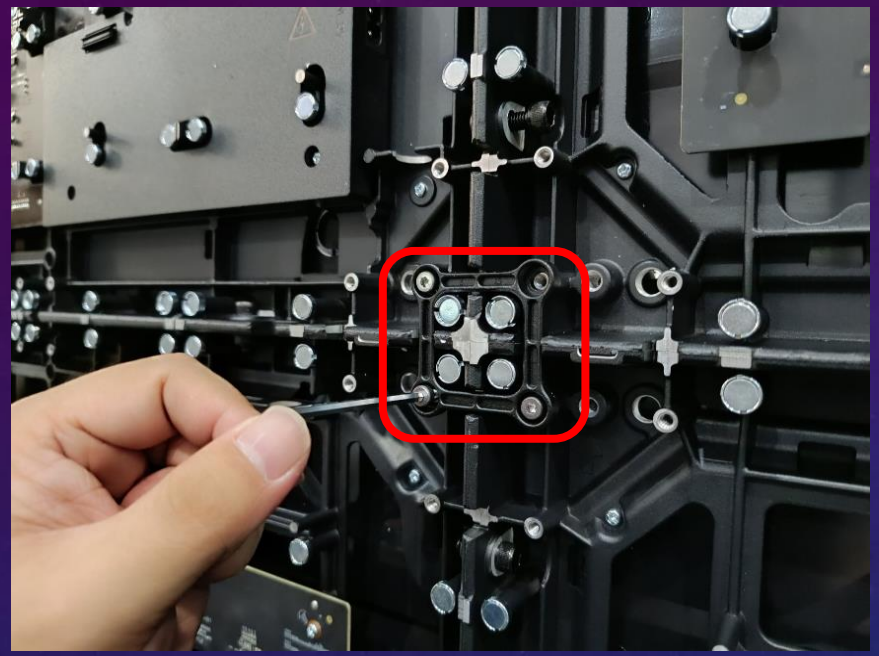
STEP 2：FIXING & LEVELING BETWEEN CABINETS

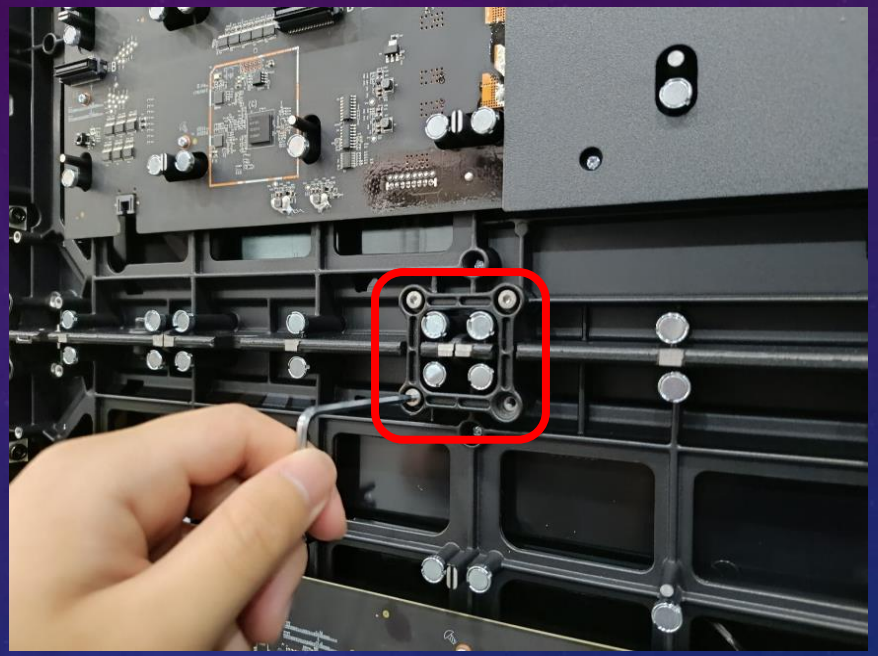




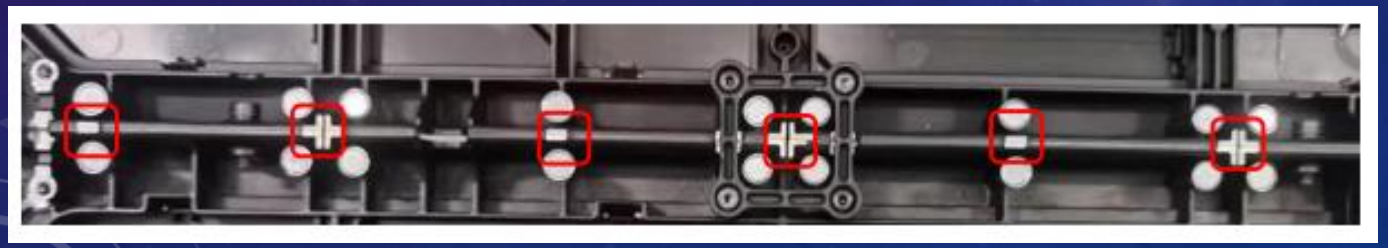
Keep the cabinets up & down, right & left on a leveled surface, and lock the cabinets with M6*16 screws in the corresponding screw holes, keep all cabinets fixed properly.

STEP 3：INSTALLING INTERNAL FRONT CONNECTORS





1) Fixing the front connectors with M4*8 screws and lock them tightly. Display side of the cabinets (up & down, right & left) has to be leveled and on the same smooth surface.
2) Front connectors are used to adjust the levelness at 6 directions.
3) Lock the front connectors tightly.



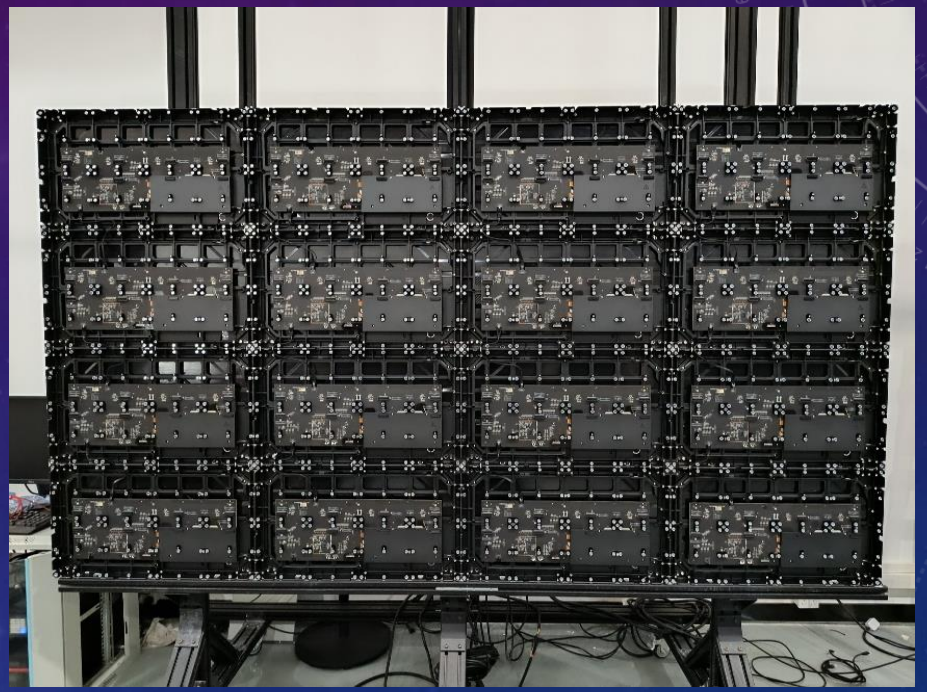
Display Side(level-base side)-between cabinets

PART 5

INTERNAL & EXTERNAL CABLES CONNECTING

STEP 1：CONNECT SIGNAL CABLES BETWEEN CABINETS





1) After mounting all cabinets for the screen based on previous steps (please make sure all cabinets finished, levelness between cabinets cleared, screws tightly locking the front connectors and mounting plates, and the cabinets are solidly fixated on the steel frames)
2) Connect signal cables between cabinets

STEP 2：ASSEMBLING AC CABLES BETWEEN CABINETS





Remarks: Choose black one if wide cable





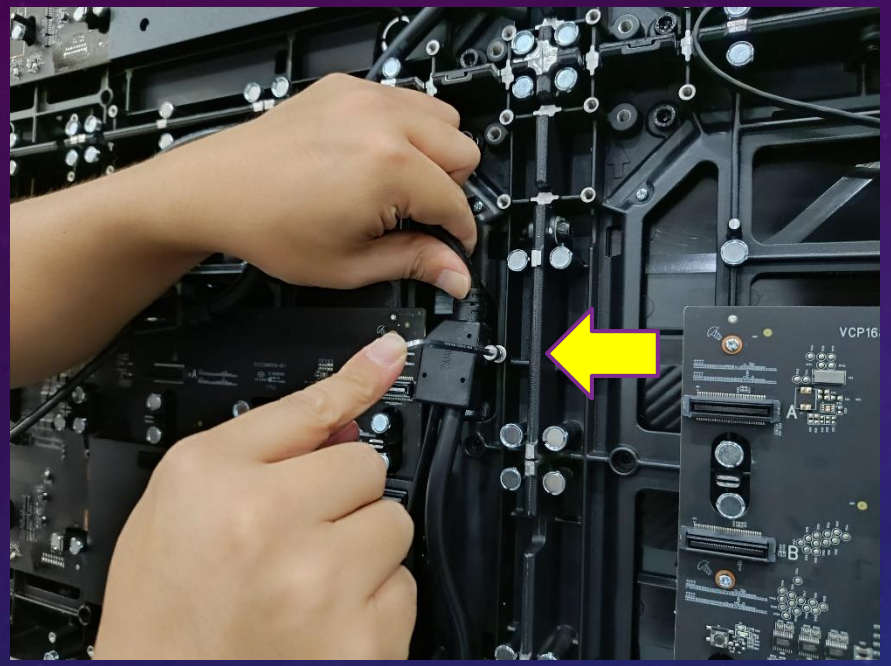
2) Connect the female head of aviation plug to the end of the AC power cable, then follow the instruction shown in the photo above to assemble the fire/neutral/ground wire with the No.3 Allen Wrench.

1) AC cables(1-load-4) & aviation plugs (female)
Remarks: UMini P series use the “1 load N” vertical power cable, 1 load 3, 1 load 4, 1 load 5 respectively, choose suitable one based on project accordingly.



3) Preparation done

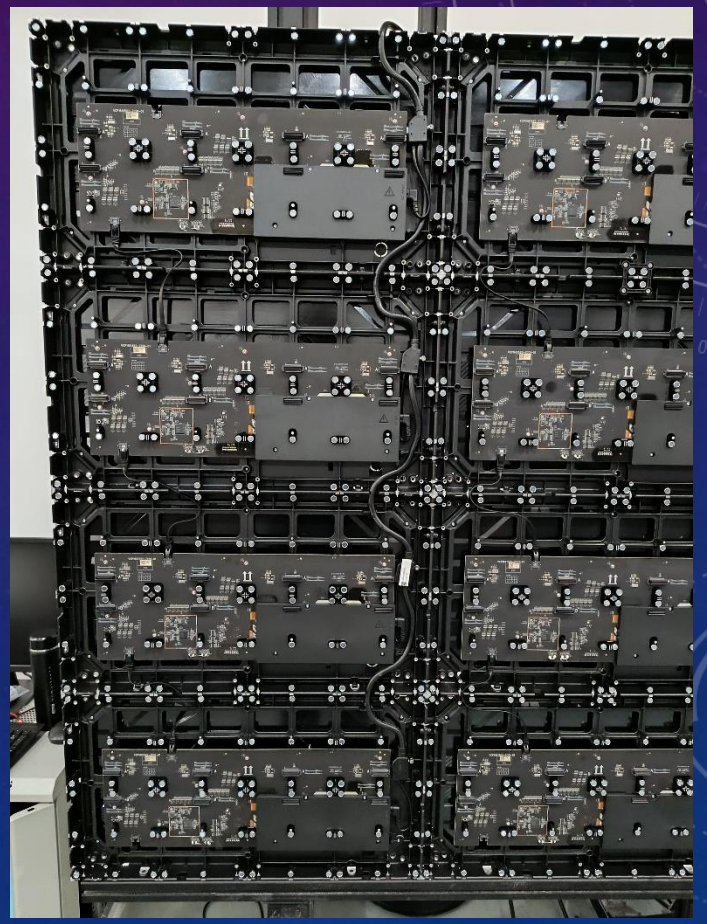
STEP 3：CONNECTING AC POWER CABLES BETWEEN CABINETS



1) Lock each cable head on cabinets with M4*8 screws



2) Connect the subtracted cable heads with cabinet HUB boards

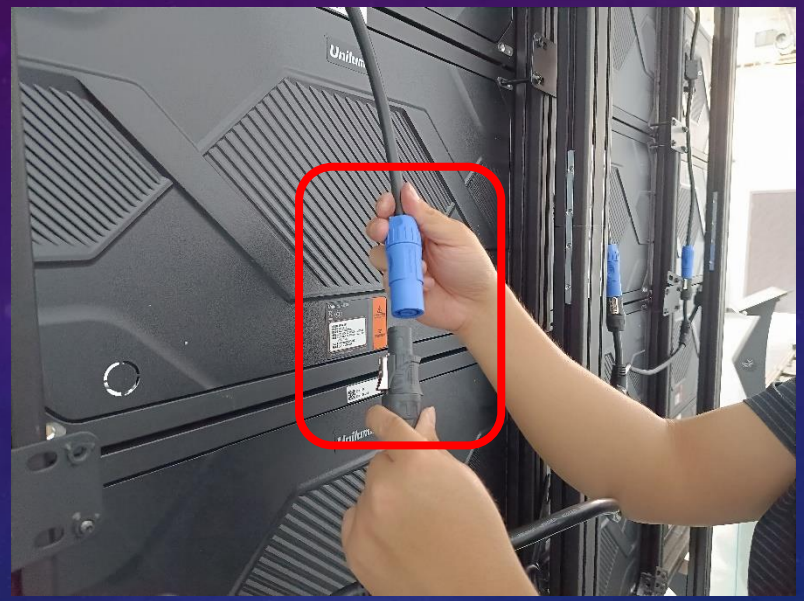


3) Installing 1pc “1-load-4” power cable for each column of cabinets

STEP 4：CONNECTING POWER CASCADE T-CABLES



1) Identify the power cascade T-cables and input power cables

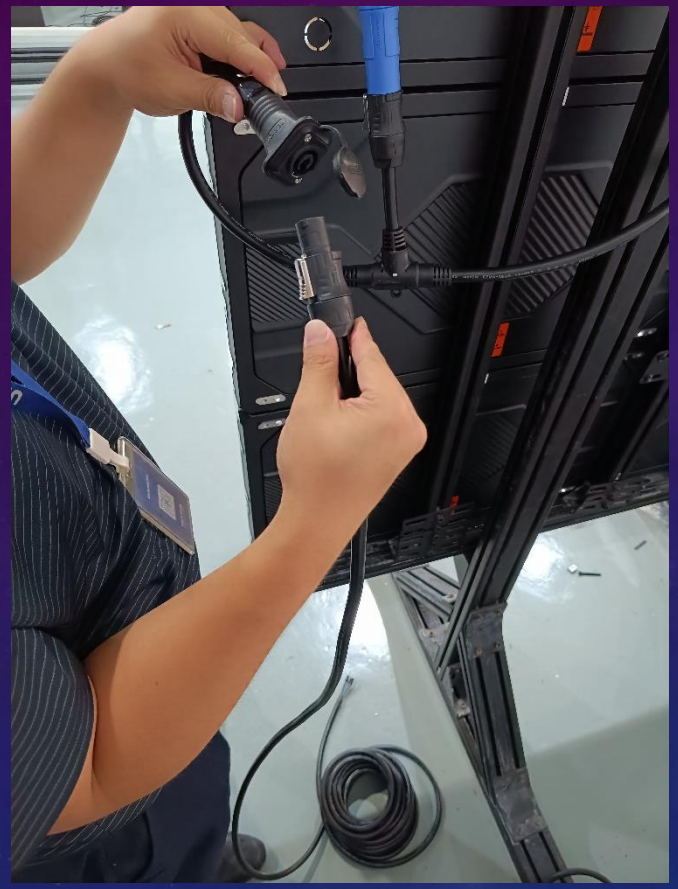


2) Connect the T-cable with “1-load-4” power cable

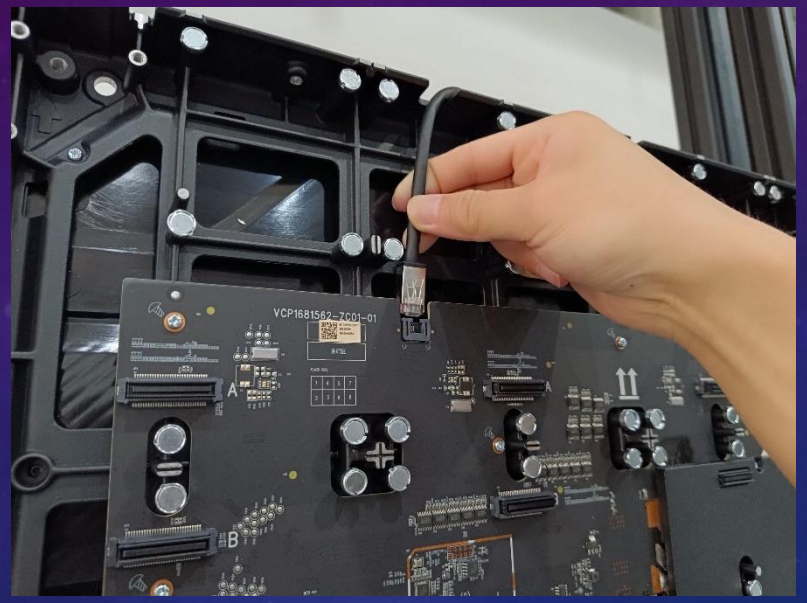


3) Connect all T-cables one by one

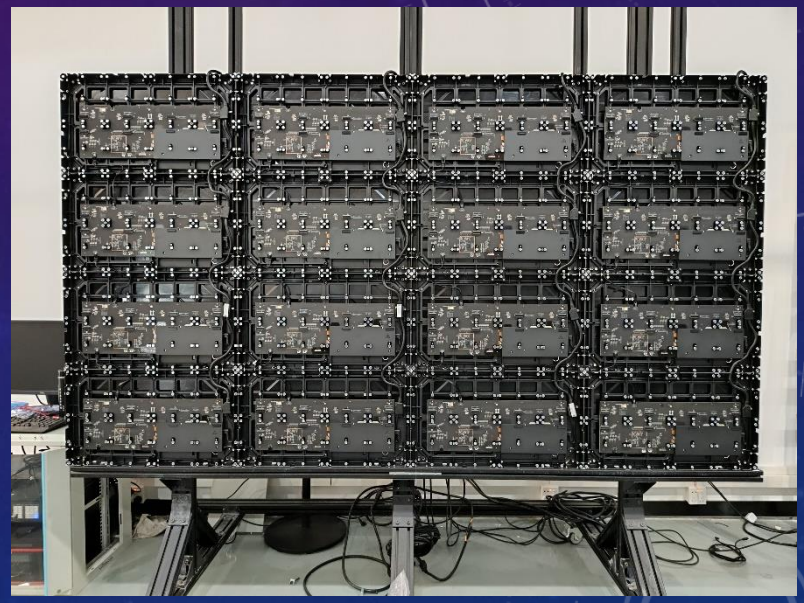
STEP 5：CONNECTING MAIN INPUT CABLES



1) Connecting T-cable with input power cable



2) Connecting input signal cables



3) External cables connection finish

PART 6

MODULES INSTALLATION

STEP 1：PREPARING MODULES

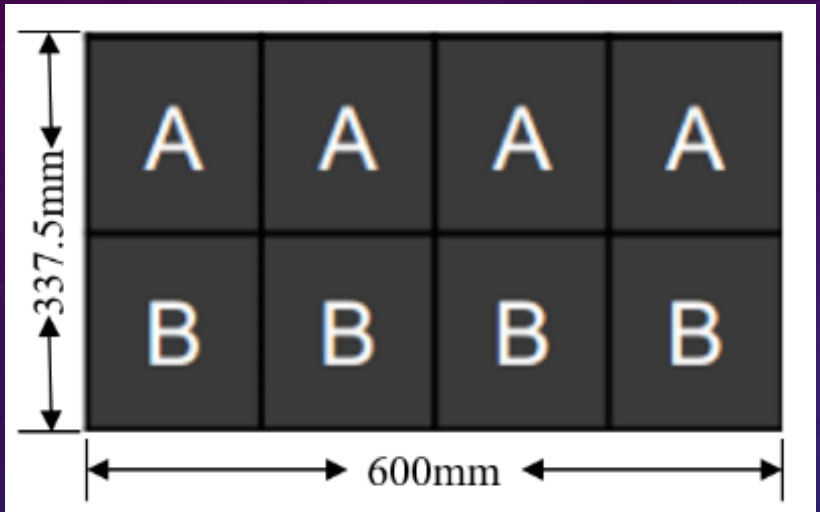




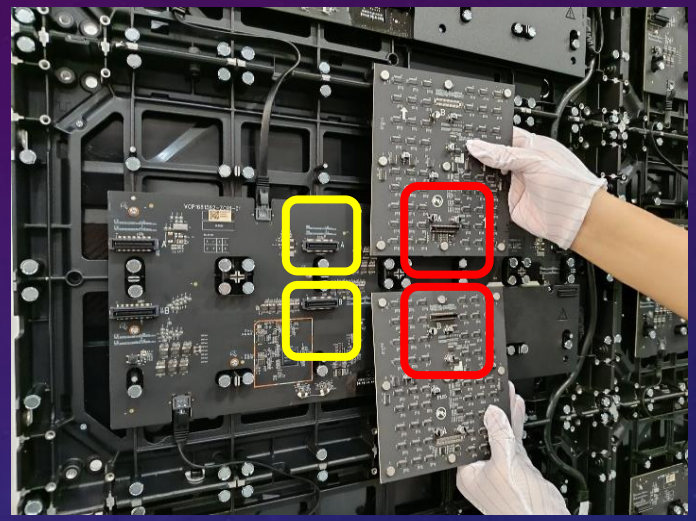
1) Cartons for cabinet modules (vacuumed plastic bags inside: Cartons tagged with LED Module A & B

2) UMini P Series are calibrated on a single-module calibration standard, so no need to check on the serial number

STEP 2：INSTALLING MODULES



Module A/B Arrangement for one cabinet

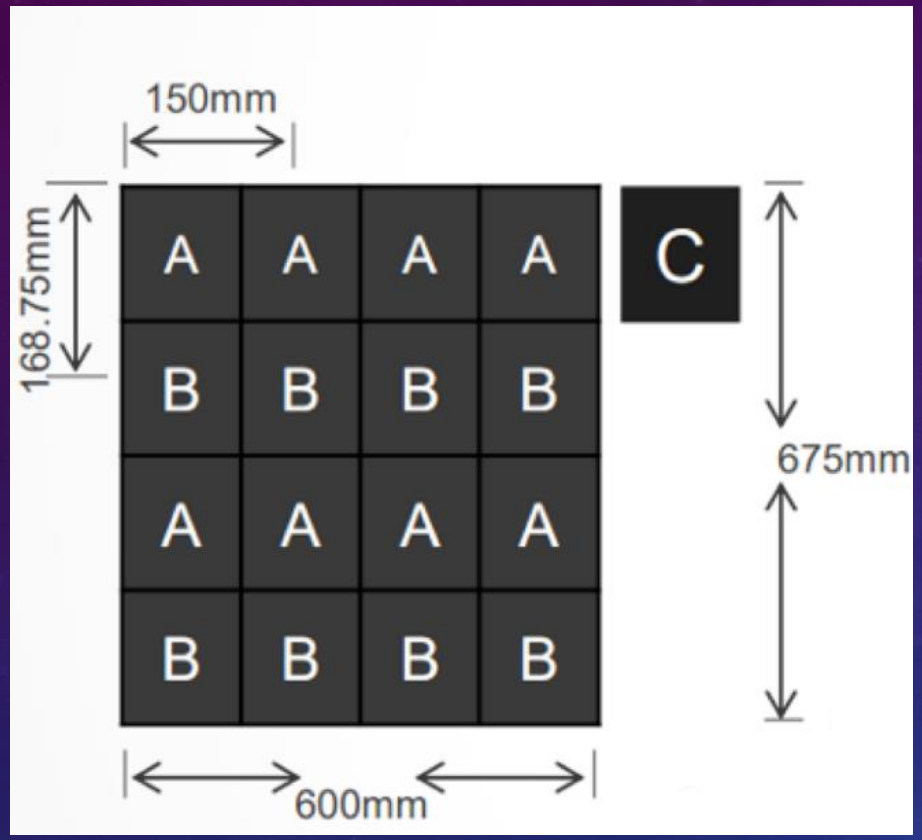






1) Identify the location of Module A & B in one cabinet as shown above
2) Please wear the anti-static gloves during module installation.
3) Installation shall start from the middle to sides and from bottom to top. Meanwhile, unlevelness of modules during installation should be noticed and adjusted in time during this process. Adujstment tool shown on the right side can be use to micro-adjust the magnet(s) to improve the levelness, so as to keep room for neighbouring module installation.

STEP3：PRECAUTIONS





1) There are 3 types of modules (A/B/C), for cabinet module, installation will take type A/B, and has to follow the module A-up, module B-down rule as exemplified in the picture above; while module C are design for spares, which can be used to replace either module A/B during maintenance.

2) Module C (spares) are packaged in aircraft boxes as the upper right photo.

STEP 4：COMPLETION



Completion of UMini P series screen installation

Unilumin

THANK YOU