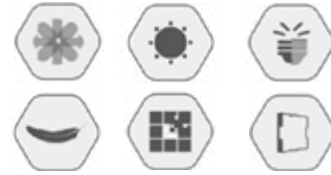# Unio TV

Fine Pitch Series

Unio TV

Unio TV 0.9
Unio TV 1.2
Unio TV 1.5
Unio TV 1.8
Unio TV 2.5

Panel Dimensions

| 600mm | 25mm | 600mm |

337.5mm

Front View | Side View | Back View
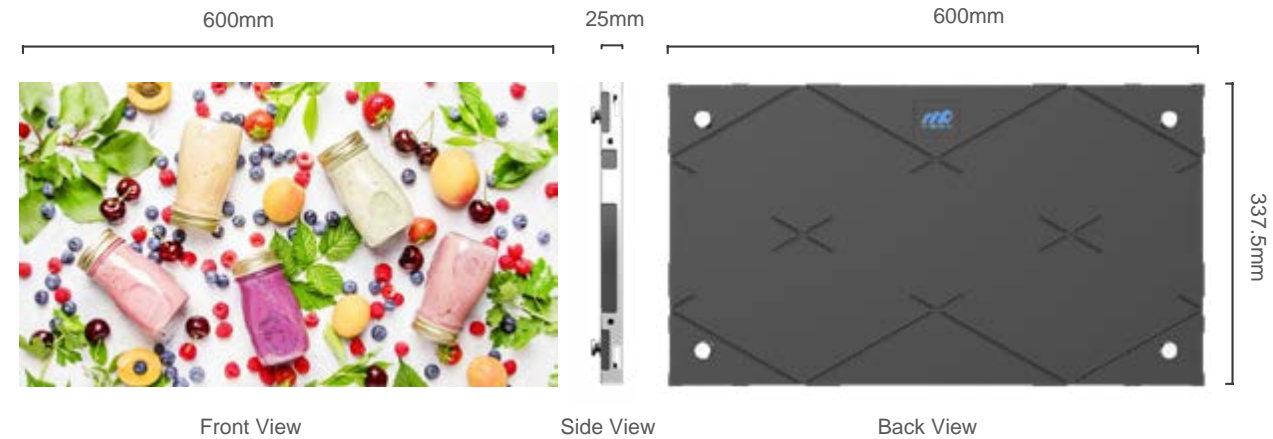
Product Parameters

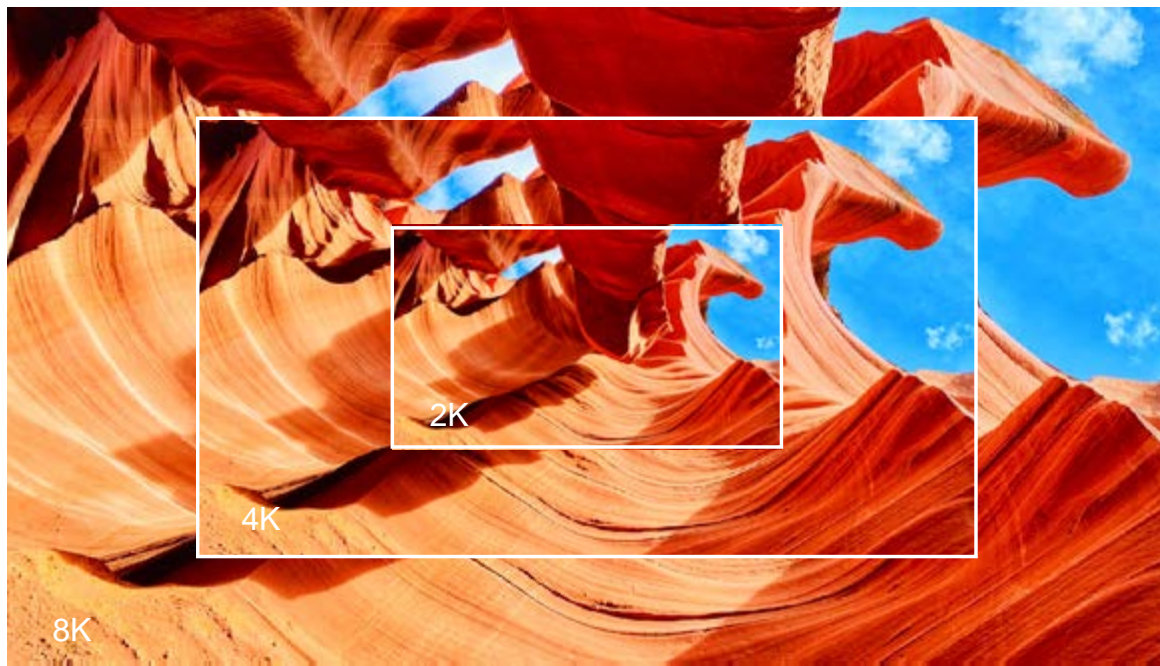|	Product Model	Unio TV 0.9 (Standard)	Unio TV 1.2 (Standard)	Unio TV1.5 (Standard)	Unio TV 1.8 (Optional)	Unio TV 2.5 (Optional)
Module Specification	Pixel pitch(mm)	0.9375	1.25	1.5625	1.875	2.5
	Module size(mm)	300x168.75x4	300x168.75x4	300x168.75x4	300x168.75x4	300x337.5x4
	Module resolution(pixels)	320x180	240x135	192x108	160x90	120x135
	Pixel composition	1R1G1B			1R1G1B	
	LED type	4 in 1	SMD1010	SMD1212	SMD1515	SMD2020
	Work voltage(DC)	2.8V&3.8V	4.2V	4.2V	4.2V	4.2V
	Scanning mode	1/46	1/48	1/48	1/45	1/27
Cabinet Specification	Dimension(mm)		600x337.5x25		600x337.5x25	
	Cabinet resolution(pixels)	640x360	480x270	384x216	320x180	240x135
	Cabinet module composition(W×H)	2X2	2X2	2X2	2X2	2X1
	Cabinet material		Die-cast aluminum		Die-cast aluminum	
	Cabinet weight(kg)		4.5		4.5	
	Pixel density(Pixels/Cabinet)	230400	129600	82944	57600	32400
	Gray level(Bits)		14 -16		14 -16	
	Contrast		3000:1-8000:1		3000:1-8000:1	
	Color temperature		2000K-9500K Adjustable		2000K-9500K Adjustable	
	Refresh rate(Hz)		2880-3840		2880-3840	
	View angle(Horizontal/Vertical)		160°/120°		160°/120°	
	IP Rate(Front/Rear)		IP30/IP30		IP30/IP30	
	Power consumption (Max./Aver.) (W/Cabinet)	115/40	110/40	110/40	90/35	90/35
	Input AC voltage		100-220 V		100-220 V	
	Working temperature		-20　50		-20　50	
	Working humidity		10%RH　95%RH		10%RH　95%RH	
	Recommend angle	>1.5	>2.0	>2.5	>3.0	>3.5
	Supported installation mode		Stacking　Hanging　Wall-mounted		Stacking　Hanging　Wall-mounted	
	Maintenance mode		Front maintenance		Front maintenance	
Screen Specification	Pixel Density(pixels/m)	1137778	640000	409600	284444	160000
	Power consumption (Max./Aver.)(W/Cabinet) (W/m²)	400/140	460/175	350/110	380/140	420/140
	Signal interface (compatible)		DVI/HDMI		DVI/HDMI	
	Control distance		Category 5e network cable: <100m; Single mode fiber: <10km			
	LED life span		100,000 Hours		100,000 Hours	
Certifications		3C　RoHS　CE　CB　Test Report　Building fire protection Report　IEC　Prepared certificateTUV-CE　ETL　FCC.				

Product Features

· Extremely light and thin design, it is a great flat screen and wall system. Panel thickness is only 25mm

· Unio TV front service design save 95% of the mounting space compared to traditional back service display products. Therefore, increase 16.6% of meeting room space.

· Magic mini vacuum helps on module changing and position adjustment very easily.

· Perfectly smooth after connection.

· Mary's floating connector on HUB provides±0.5mm moving flexibility for the module in XYZ direction.

· Modular plug-and-play design on module, HUB, power supplies, cables ensure our maintenance easy and quick.

· Mary's buckle is used for ensure the panel's alignment. We have flat buckle and curve buckle.

The cabinet has a 16:9 golden ratio, easy to achieve ultra-high-definition resolutions such as 2K, 4K, 8K, 16K, and point-to-point true display effect.

Slimmer, freely control the space
Ultra-slim only 2.5mm thickness, perfect for various application space.

Advanced 4-in-1 MiniLED packaging process
Used on products with fine pitch of 0.9 or smaller

Perfect display Explore horizon
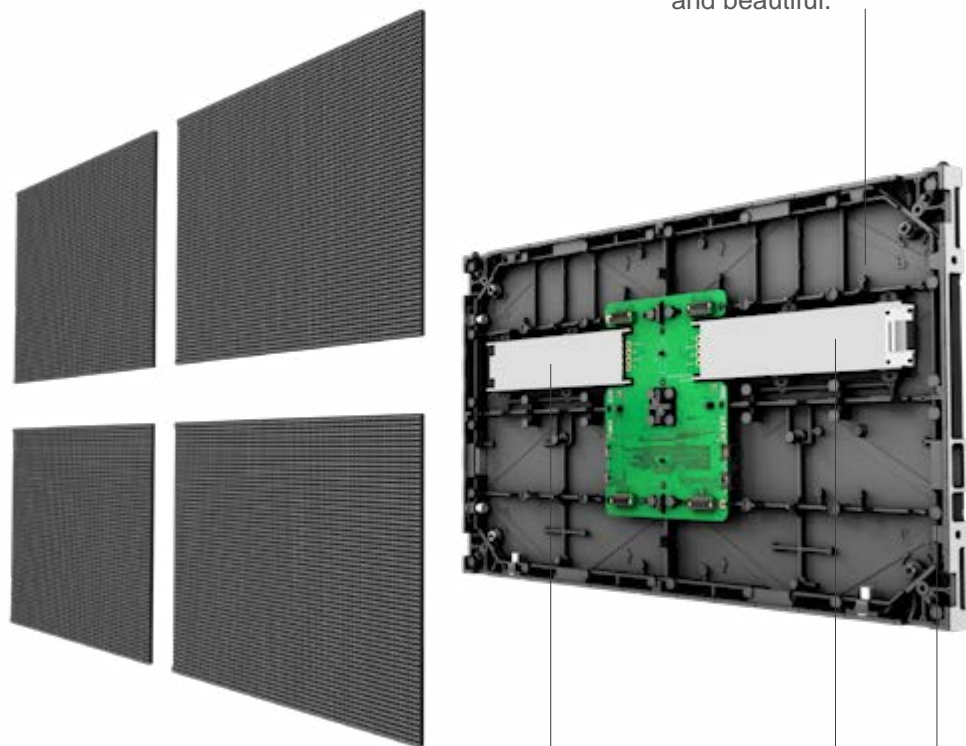
Fully front maintainance

Wireless controller
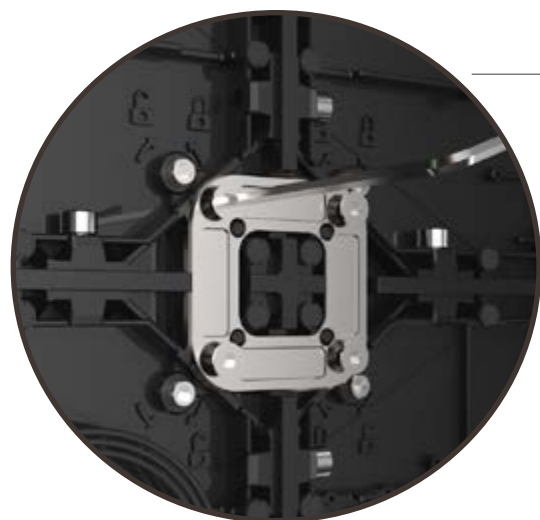
Seamless splicing with ultra-high flatness

Ultra-wide viewing angle

model \ array	1×1	2×2	3×3	4×4	5×5	6×6	7×7	8×8	9×9	10×10	11×11	12×12
Unio TV 0.9	640×360	1280×720	1920×1080	2560×1440	3200×1800	3840×2160	4480×2520	5120×2880	5760×3240	6400×3600	7040×3960	7680×4320
Unio TV 1.2	480×270	960×540	1440×810	1920×1080	2400×1350	2880×1620	3360×1890	×2160	×2430	4800×2700	5280×2970	5760×3240
Unio TV 1.5	384×216	768×432	1152×648	1536×864	1920×1080	2304×1296	2688×1512	3072×1728	3456×1944	×2160	×2376	4608×2592
Unio TV 1.8	320×180	640×360	960×540	1280×720	1600×900	1920×1080	2240×1260	2560×1440	2880×1620	3200×1800	3520×1980	3840×2160
Unio TV 2.5	240×135	480×270	720×405	960×540	1200×675	1440×810	1680×945	1920×1080	2160×1215	2400×1350	2640×1485	2880×1620

2K 1920×1080   4K 3840×2160   8K 7680×4320

Creative wireless cabinet

The cabinets adopt any internal wiring method of up, down, left and right, with a simple appearance, no wires exposed, neat and beautiful.

Stunning colors

After adopting high dynamic HDR technology, the color is richer, 120% of the color gamut coverage fully meets the DCI-P3 standard, with more than 28 trillion color displays, Let you experience the lifelike world up close.

Dual Backup for both Power Supply and Signal

Modular design

The module, HUB, receiving card, and power supply can be maintained by front easily. The maintenance speed is more than 5 times faster than that of traditional products, which greatly reduces customer maintenance time.

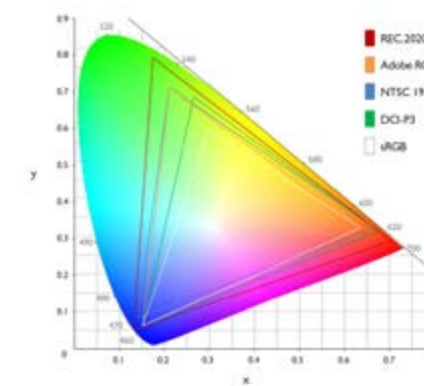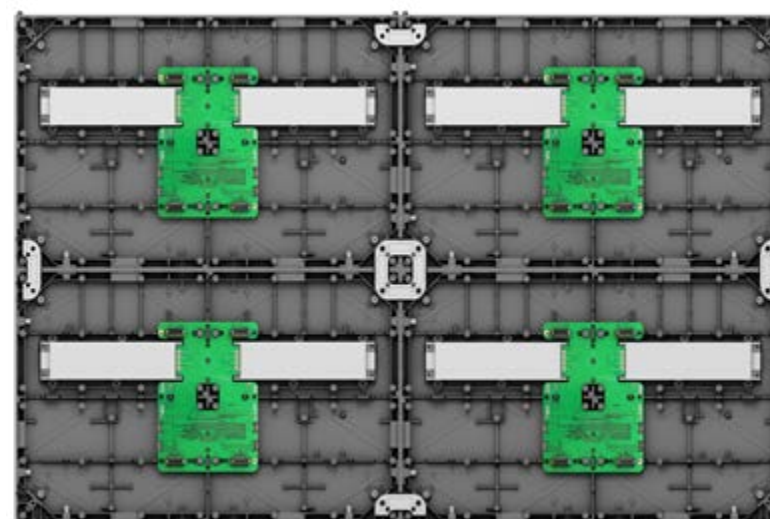**Has obtained patent certification, MR patented design connecting piece.**

MR's unique flat connecting piece and arc connecting piece (used by the inner arc screen) make the combination of the cabinet more accurate, 180 degrees without dead ends. Effectively solve the difference in cabinet installation section and improve the flatness of display splicing.

Application scenario

Conference room, command center, rail transit, monitoring system, banquet hall, etc.

National Network Conference Center,Changpin,Beijing

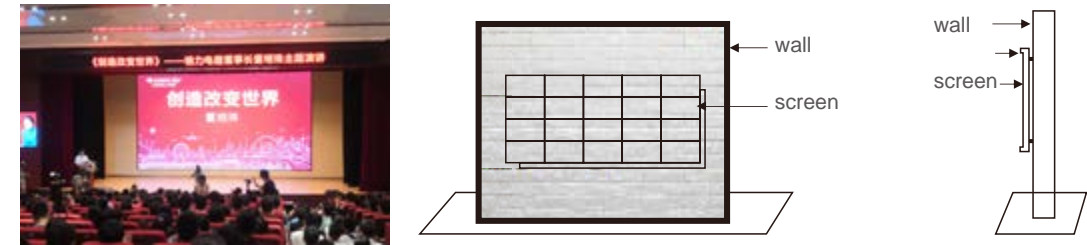Telecom Bureau,Nanping

Shanghai Metro Station

Installation diagram

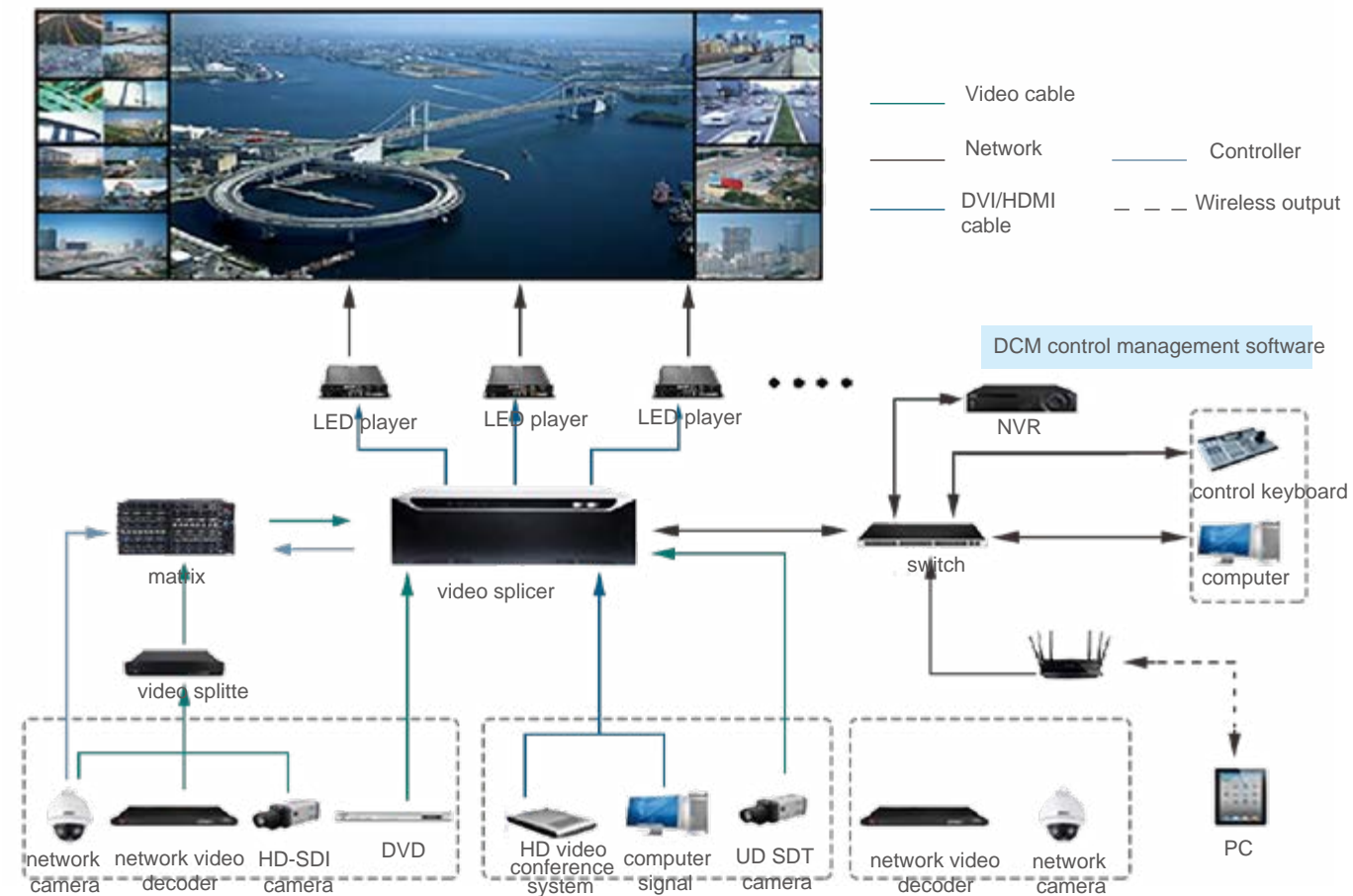Main installation methods: stacking (inner arc installation, conventional installation), wall installation

Top view of arc screen

Wall mounting installation diagram

wall

screen

wall

screen

Topologigal Graph

Video cable

Network — Controller

DVI/HDMI cable — — — Wireless output

DCM control management software

LED player   LED player   LED player   NVR

control keyboard

matrix   video splicer   switch   computer

video splitte

PC

network camera   network video decoder   HD-SDI camera   DVD   HD video conference system   computer signal   UD SDT camera   network video decoder   network camera

The principle of this topology map is to collect various video sources, transmit them to the video splicer through the network, and then transmit them to the display screen through the player. The various video sources are then transmitted through the matrix (classification of the video source playback position. This system is widely used in Application fields such as trafic command center, military command center, monitoring and dispatching center.