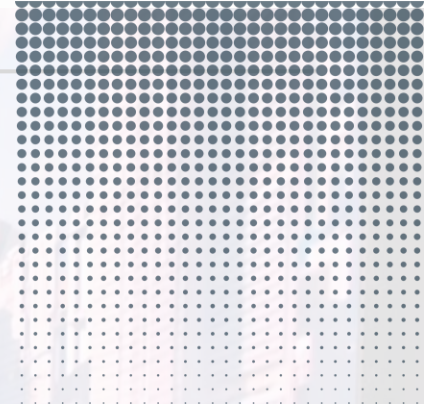# AUDAX GROUP

Envision The World With Technology

All-in-one technology Solution Provider for 16 Years

Interactive, Digital, Experiential

Audax Visual provide a one-stop cutting-edge solutions for
3D content, interactive program and experiential design

Our Solutions

Audax Visuals

3D Services
AR&VR Solution
Immersive Hall Desgin
Interactive Program

MAXHUB

Conference Solution
Education Solution
Display Solution

AI Robotics

Intellegent Delivery Robot
Cleanning Robot
Cooking Robot
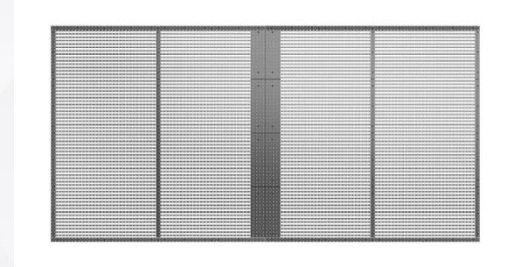
EcoProp

Property smart platform
AI+VR Home reviewing

Product Range

Indoor LED Screen

LED Poster

Transparent Screen
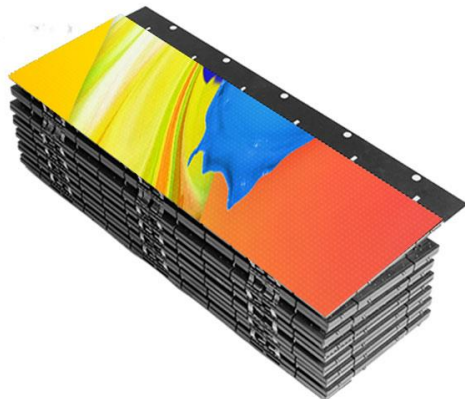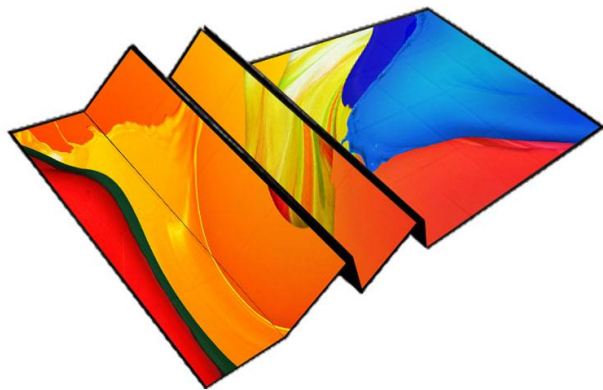

Outdoor LED

Conference IFP (Maxhub)

Commercial Display

Integrated LED Wall Raptor
Maxhub

Transparent OLED TV

audax visuals

Foldable LED Screen

![Audax logo]

Smart + Automatic System Hanging LED Screen

Smart series & automatic system is a creative solution integrating indoor foldable LED display and automatic lifting and lowering system.
Thin and light, the 360° foldable LED display features remote lifting and lowering, easy storage and hanging installation.
With the electric lifting and lowering device, creative screens can be easily realized for a more desirable viewing experience.

Power supply and screen body separate design

External power supply, no need fan or air conditioner to dissipate heat
Low temperature operation, long service life
Low failure and high reliability.

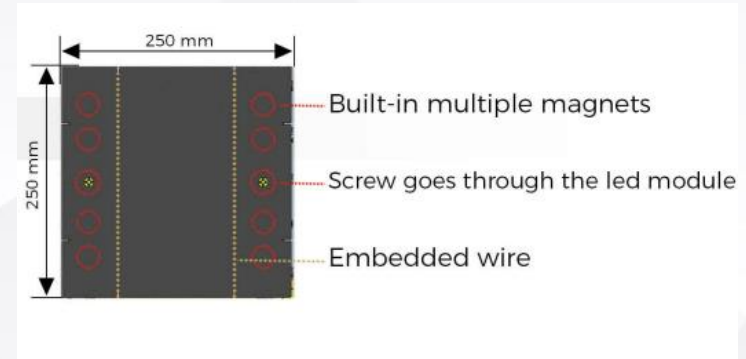1 Plug-in PIN connector(Backup)
2 Soldering PIN connector(Standard)
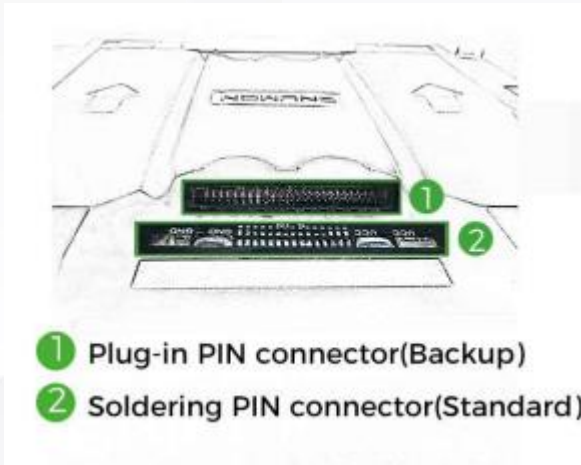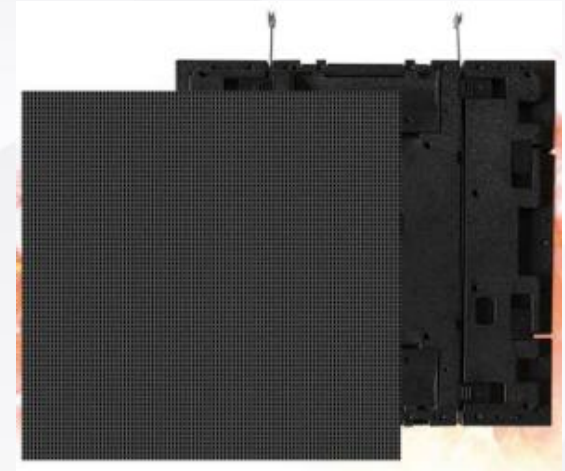
Special soldering and plug-in dual connectors design

Plug-in PIN connector(Backup)2 Soldering PIN connector(Standard)Soldering PIN connector is for stable performance, backup plug-in PIN connector is for quick replacement of faulty module.

Double fixing of magnet and screw

The screen body can be fixed on the mounting frame through the built-in magnets. The screen body can also be fixed on the mounting bracket through the unit board with stainless steel screws

250 mm
250 mm

- Built-in multiple magnets
- Screw goes through the led module
- Embedded wire

Screen Load Bearing

The four-corner connectors of led modules ensure the uniform gap between the modules

Steel wire

Each 0.25m wide unit board has 2 built in steel wires Maximum bearing capacity 750KG = 50m maximum 250m height .The head and tail of the steel wire are fixed on the head and tail of bearing beam with bolts. The bearing beam is fixed to the mounting bracket with bolts.
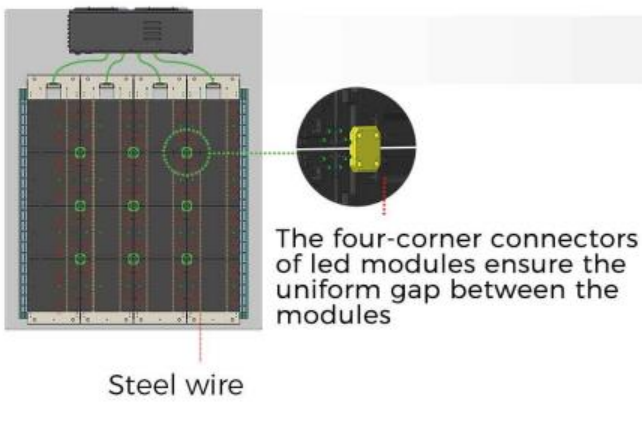
Standardized installation structure

The screen is light, only 12 kg/m, and thin thickness is only 14 mm .minimize installation structure and minimize impact on buildings. Easy and quick to install. training is simple. Outdoor displays can be installed in batches
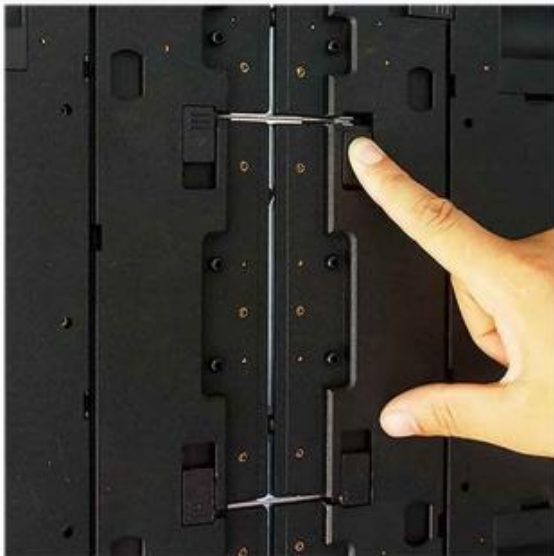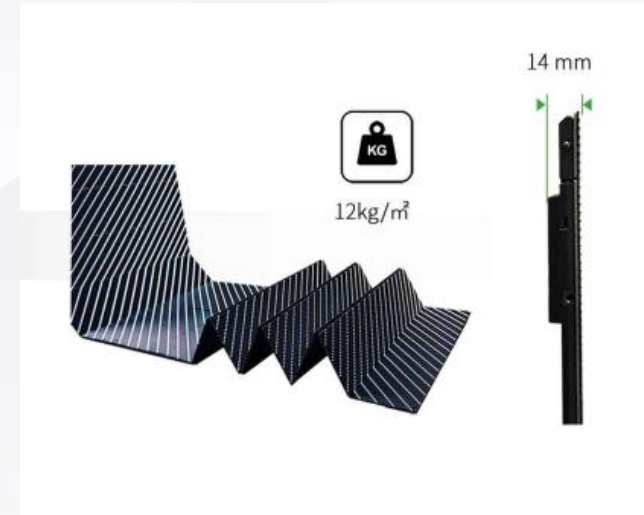
Front and Back Maintenance

Support front or back maintenance depending on how it is installed. Support to replace unit board .
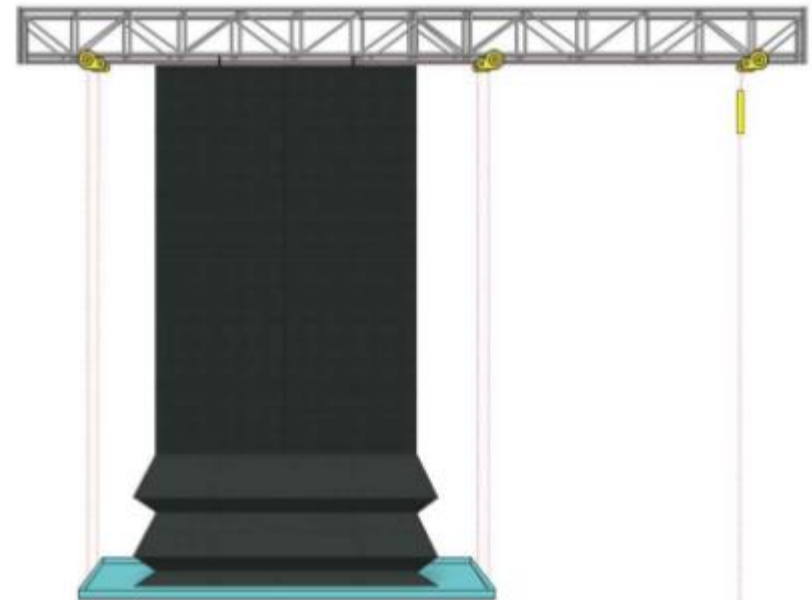
High reliability

No connectors and low heating are to ensure the screen is stable. Reliable work basically no maintenance in 2-3 years. Extended warranty for up to five years(except led lamp

Installation Methods

Hanging installation (optional motor +pallet for automatic folding and retracting)
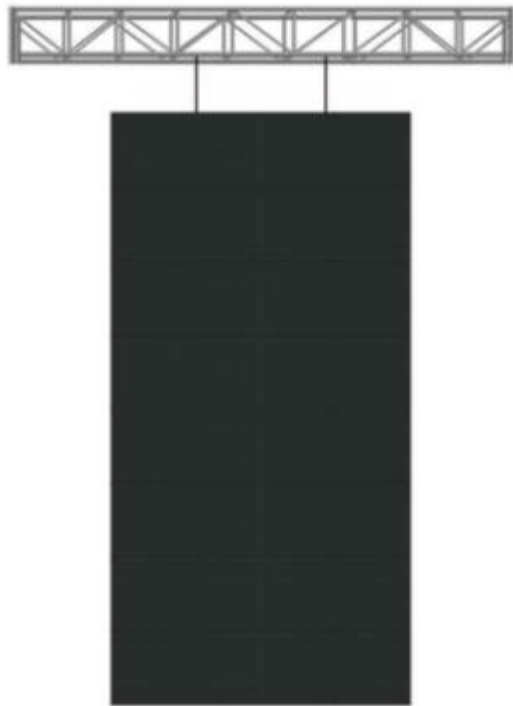
Pallet

Motor

Installation Methods

Magnet installation (reserved screw fixing holes)
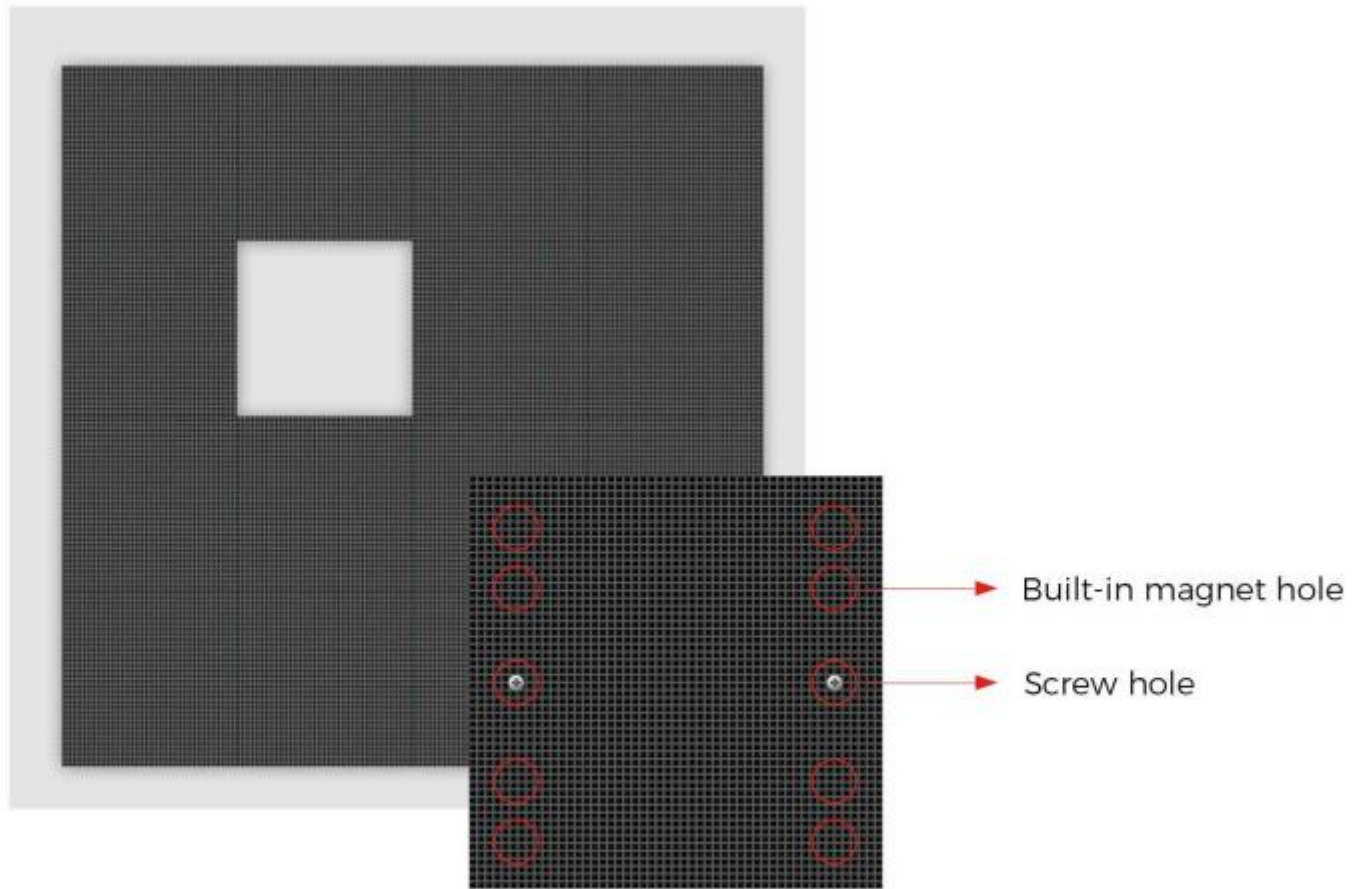
Features

- Module size: 250mm * 250mm.
- 360° foldable.
- Indoor IP43 rating and outdoor IP65 rating
- Automatic folding and unfolding through the motor and tray.
- Improved space efficiency and quick installation.
- Prior service with less maintenance access.
- Thin and foldable, enabling safety excellence and minimal impact in case of dropping.

Specification

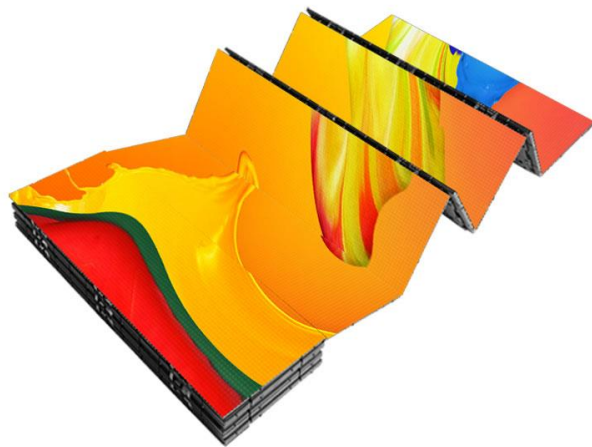| Application Environment	Indoor			
Model	Smart 3	Smart 5	Smart 6	Smart 7
Pixel Pitch (mm)	3.9	5.2	6	7.8
IP Rating	IP43	IP43	IP43	IP43
LED Type	SMD 1010	SMD 2020	SMD 1921	SMD 1921
Pixel Density (pixel/㎡)	65536	36864	27777	16384
Driving Mode	1/16	1/12	1/16	1/16
Gray Scale (bit)	16	16	16	16
Max Brightness (nits)	1400	1500	3000	1800
Max Refresh Rate (Hz)	4000	5000	4000	4000
Module Resolution (pixels)	64 * 64	48 * 48	32 * 32	32 * 32
Module Size (mm)	250 * 250	250 * 250	250 * 250	250 * 250
Screen Thickness (mm)	14	14	16	16
Weight (kg/㎡)	12	12	10	12
Folding Angle	360°	360°	360°	360°
Viewing Angle (H/V)	110° / 110°	120° / 120°	120° / 120°	120° / 120°
Max Power Consumption (w/㎡)	900	670	380	220
Output Voltage (V)	DC24/48	DC24/48	DC24/48	DC24/48
Input Voltage (V)	AC100 ~ AC240	AC100 ~ AC240	AC100 ~ AC240	AC100 ~ AC240
Max Height of a Panel (m)	6	8	9	12
Best Viewing Distance (m)	≥4	≥5	≥6	≥8
Brightness adjustment (levels) (digital)	256	256	256	256
Brightness adjustment (levels) (analog current) (option)	64-256	64-256	64-256	64-256
Contrast	2500:1	2500:1	2500:1	2500:1
Connection Type (standard) (spare)	2+14pin Soldering 50pin Connector	2+14pin Soldering 50pin Connector	2+14pin Soldering 50pin Connector	2+14pin Soldering 50pin Connector
Short Circuit Protection	Yes	Yes	Yes	Yes
Quick Maintenance	Yes	Yes	Yes	Yes
Controlling Mode	synchronous asynchronous	synchronous asynchronous	synchronous asynchronous	synchronous asynchronous
Installation Method	Hanging Magnet mounting	Hanging Magnet mounting	Hanging	Hanging Magnet mounting
Operation temperature (℃)	-40 ~ 65	-40 ~ 65	-40 ~ 65	-40 ~ 65
Operation humidity (RH)	0% ~ 90%	0% ~ 90%	0% ~ 90%	0% ~ 90%
Certificate	ROHS FCC TUV CE			

Foldable Transparent LED Screen

## Smart T Plus Transparent Hanging LED Screen

Waterproof LED displays for outdoor use
Smart T Plus series mesh foldable hanging LED displays for outdoor use.
Mesh design with great simplicity and transparency, blocking no view from interior.
Weatherproof LED screen for bright and clear display in wind and rain.

Highlights

•Module size: 250mm * 375mm
•360° foldable
•High brightness and IP65 rating with waterproof grout for outdoor use
•Slim and light, mesh design, weatherproof
•Detachable design for easy installation
•Optional motor for one-touch lifting, lowering and folding.
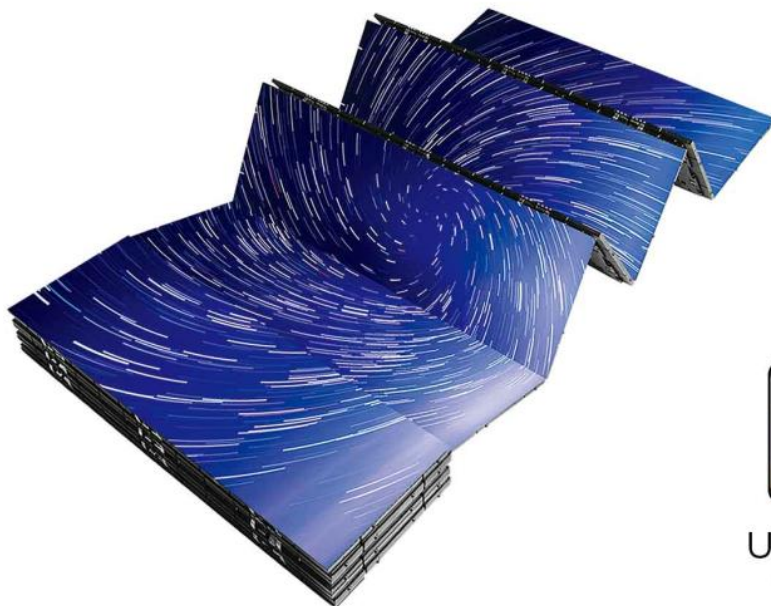
No fan
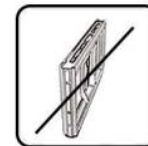
No frame

Ultra-thin
15 mm

Ultra-light
12kg/m²

360°
foldable

Ultra-slim 23.5 mm	**1** Power supply and screen body separate design
Lightweight 15kg/㎡	**2** Low temperature operation
Foldable 360°	**3** Dual soldering and plug-in connectors design
"Hollow out" Design	**4** High bearing capacity
No fan	**5** Standardized installation structure
No frame	**6** Front and back maintenance
	7 High protection level
	8 High reliability

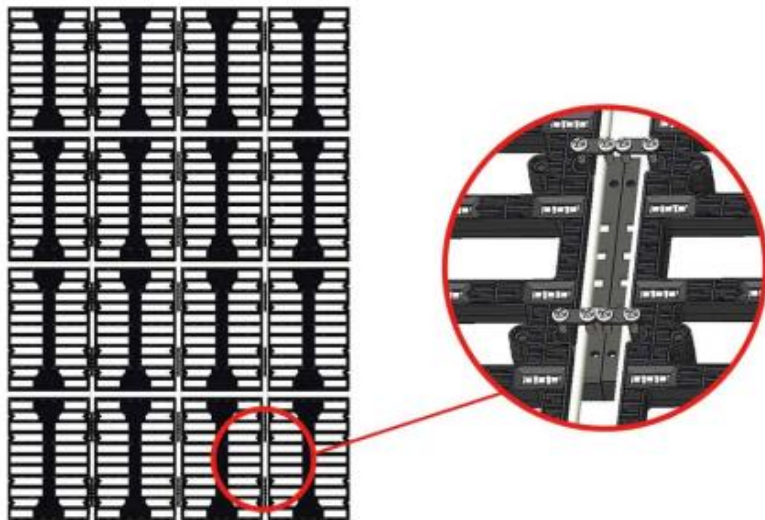▶ **Power supply and screen body separate design**

External power supply,no need fan or air conditioner

audax

Low temperature operation

Low temperature operation, long service life;
Low failure and high reliability.

Front and back maintenance

Front and back maintenance
Front or back maintenance accessible,
depending on how it is installed.

▶ Special soldering and plug-in dual connectors design

Soldering PIN connector is for stable performance,
backup plug-in PIN connector is for quick replacement
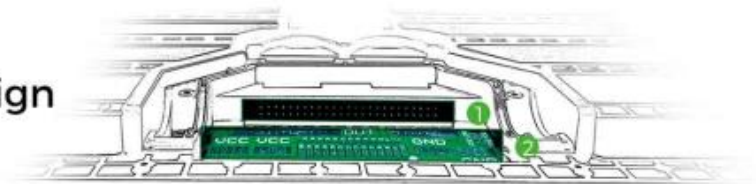
1 Plug-in PIN connector(Backup)

2 Soldering PIN connector(Standard)
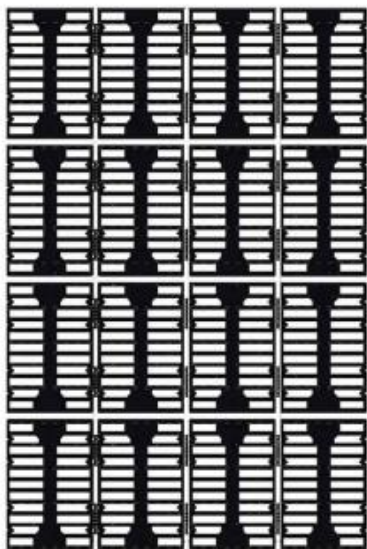
◀ High bearing capacity

Each led module has 2pcs 3-5mm φ steel
wires,maximum bearing capacity
700kg,maximum 250 height

High protection level

Glue filling on double-sided unit board to be completely waterproof,IP65.
100% immersion aging test before shipment .

High reliability

No connectors and low heating are to ensure the screen is stable.
Reliable work, basically no maintenance in 2-3 years, extended warranty for up to five years(except led lamp)

Module 7.8

module frame

led module

249.79 mm
371.5 mm
250 mm
375 mm

Module 15.6

module frame

led module

244.174 mm
371.575 mm
250 mm
375 mm

Module 37.5

module frame

led module

280.6 mm
427.349 mm
300 mm
450 mm
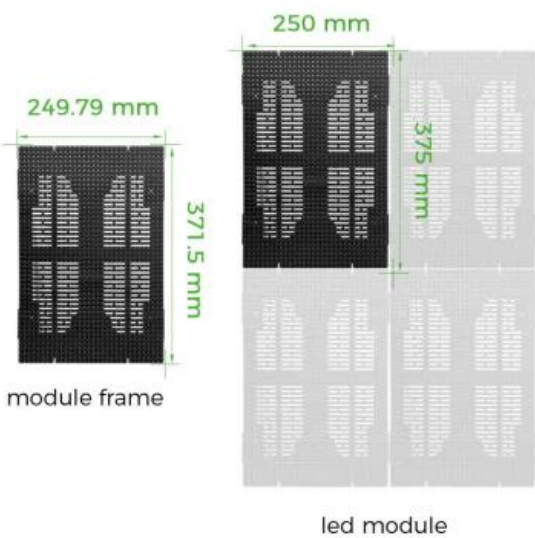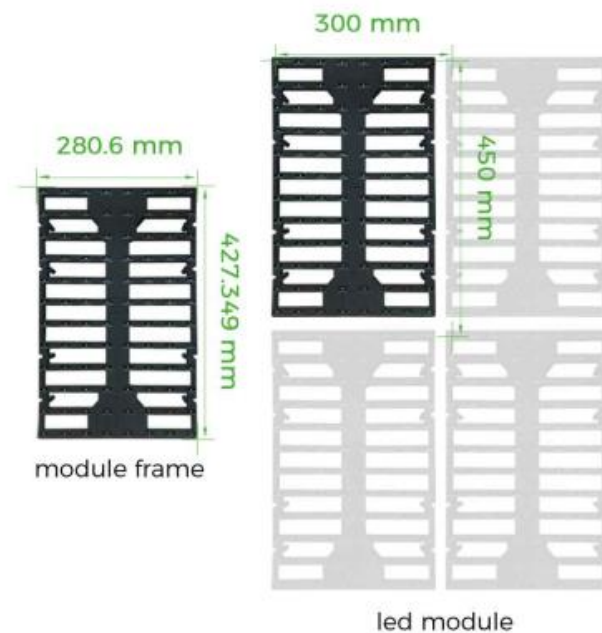
Dynamic folding

The maximum folding times of the screen exceeds 120,000 times, the lamps and cables are still intact.
The product has been sold for 8 years, the actual dynamic folding application cases exceed 100.
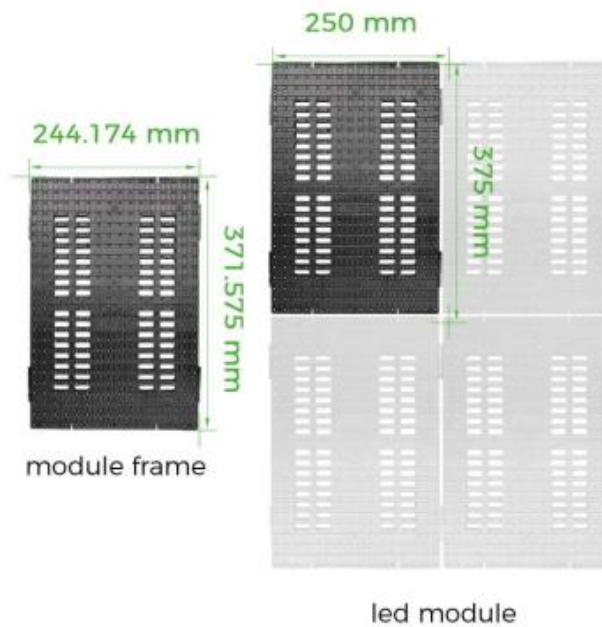

| Transparency 56%

| Built-in multiple sturdy steel wires,
safe hanging 20-40 meters is no problem.

| The module has built-in DCDC, which converts the high-voltage to low-voltage to supply power to the ICs and lamps, the heat generation is extremely low.The maximum load can be as long as 25-30 meters at 6000nits.

| Signal transmission bandwidth up to 120 Mbps, large bandwidth, can load 50-70 meters.

Specification

Application Environment	Outdoor			
Model	Smart T plus 7	Smart T plus 10	Smart T plus 15	Smart T plus 37
Pixel Pitch (mm)	7.8	10.4	15.6	37.5
IP Rating	IP65	IP65	IP65	IP65
Transparent rate	12%	12%	14%	56%
LED Type	SMD 1921	SMD 2727	SMD 2727	SMD 2727
Pixel Density (pixel/㎡)	16384	9216	4096	4000
Driving Mode	1/4	1/4	1/2	静态
Gray Scale (bit)	16	16	16	16
Max Brightness (nits)	6000	6000	5000	6000
Max Refresh Rate (Hz)	7680	8000	8000	64000
Module Resolution (pixels)	32 * 48	24 * 32	16 * 24	15 * 12
Module Size (mm)	250 * 250	250 * 250	250 * 375	300*450
Screen Thickness (mm)	16.5	16.5	16.5	16.5
Weight (kg/㎡)	12	12	12	12
Folding Angle	360°	360°	360°	360°
Viewing Angle (H/V)	120° / 120°	120° / 120°	120° / 160°	120° / 160°
Max Power Consumption (w/㎡)	400	560	450	370
Output Voltage (V)	DC24/48	DC24/48	DC24/48	DC24/48
Input Voltage (V)	AC100 ~ AC240	AC100 ~ AC240	AC100 ~ AC240	AC100 ~ AC240
Max Height of a Panel (m)	12	16	24	24
Best Viewing Distance (m)	≥8	≥10	≥15	≥37.5
Brightness adjustment (levels) (digital)	256	256	256	256
Brightness adjustment (levels) (analog current) (option)	64-256	64-256	64-256	64-256
Contrast	2500:1	2500:1	2500:1	2500:1
Connection Type (standard) (spare)	2+14pin Soldering 50pin Connector	2+14pin Soldering 50pin Connector	2+14pin Soldering 50pin Connector	2+14pin Soldering 50pin Connector
Short Circuit Protection	Yes	Yes	Yes	Yes
Quick Maintenance	Yes	Yes	Yes	Yes
Controlling Mode	synchronous asynchronous	synchronous asynchronous	synchronous asynchronous	synchronous asynchronous
Installation Method	Hanging dance floor led display Magnet mounting	Hanging dance floor led display Magnet mounting	Hanging dance floor led display Magnet mounting	Hanging dance floor led display Magnet mounting
Operation temperature (℃)	-40 ~ 65	-40 ~ 65	-40 ~ 65	-40 ~ 65
Operation humidity (RH)	0% ~ 90%	0% ~ 90%	0% ~ 90%	0% ~ 90%
Certificate	ROHS FCC TUV CE			

Thank you for your time!

Any enquiry please call us @ 67499810 or
email us at <u>sales@audax.com.sg</u>
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