FUTUREX

Interactive Series

(Interactive tile screen /Immersive LED Screen)

OUR STRENGTH

Environmental Resilience

Operates reliably from -30˚Cto 70˚C with IP68 certification, enduring 2000h salt spray testing for harsh outdoor applications.

Autonomous Deployment

Enables 150 ㎡ single-person daily installations using modular components and AR-assisted calibration guidance systems.

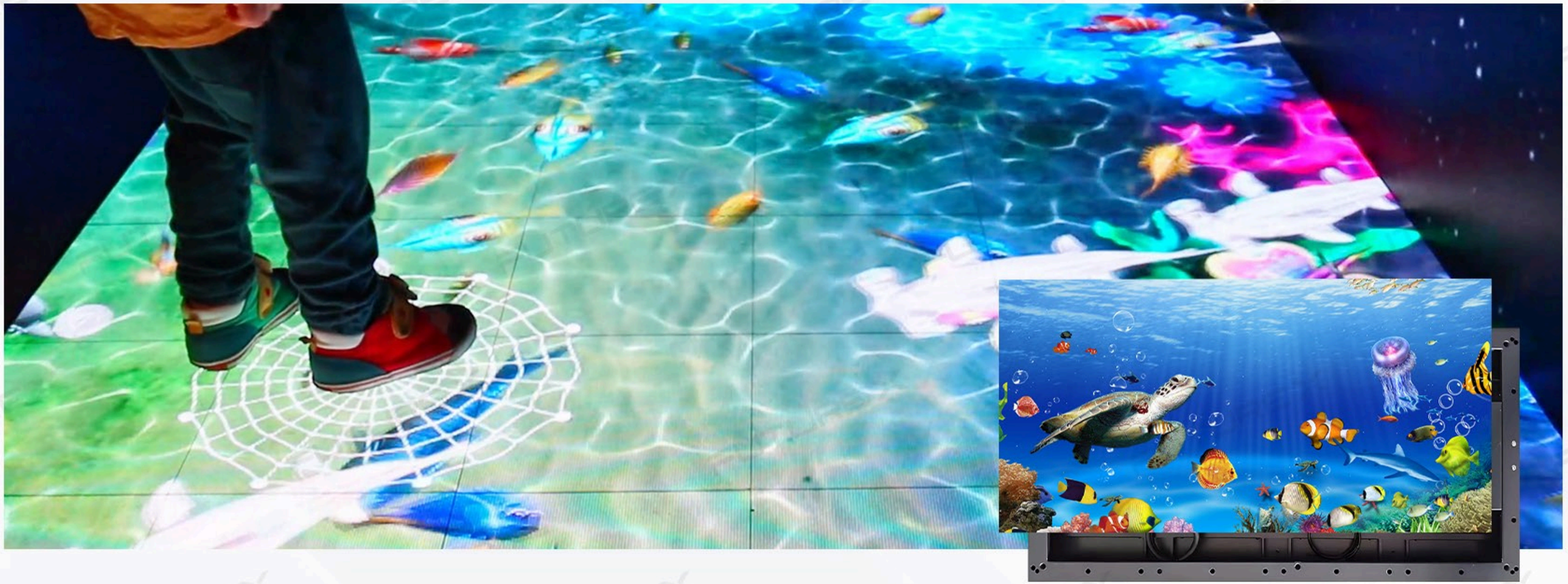
Cloud-Driven Support

Resolves 90% issues remotely via pre-installed IoT diagnostics with global hardware replacement logistics within 72h.

Global Compliance Access

Holds CE/UKCA/FCC/RoHS/ETL certifications meeting EN 55032 standards across 53 international markets.

FutureXLED ranks among the world's few truly integrated commercial display innovators — mastering end-to-end capabilities from industrial design, R&D, and manufacturing to global sales, certified installation, and lifetime support within a single command chain.



Interactive Tile Screen

Model: P2.6/P2.976/P3.91/P4.81/P5.2/P6.25

Interactive tile screen is an innovative digital media display device that integrates LED display technology, sensor technology, and intelligent control system. It is mainly used for ground display and can achieve real-time interaction between people and ground screens.

Advantage

The products have undergone strict inspections from raw materials to warehouses, production, testing, packaging, and transportation to ensure that each product meets 100% qualified standards.

The entire product series has passed the 3C, RoHS, CE, FCC quality certifications conducted by professional institutions, as well as product waterproof testing, product fire testing, product load-bearing testing, product radiation testing, product heating testing, product friction coefficient testing, and product single point force testing.

High load-bearing capacity

2 TONS

Each square meter can support a weight of up to 2 tons

High waterproof grade

IP65

IP65 protection level, adaptable to various complex environments

Flame retardant

The shell is made of flame-retardant materials to improve safety protection

Surface anti slip

High friction coefficient panel, anti slip and clear

Fast Interaction

By adopting interactive sensing technology, human-machine interaction effects can be achieved

Rapid heat dissipation

High definition display

Solution

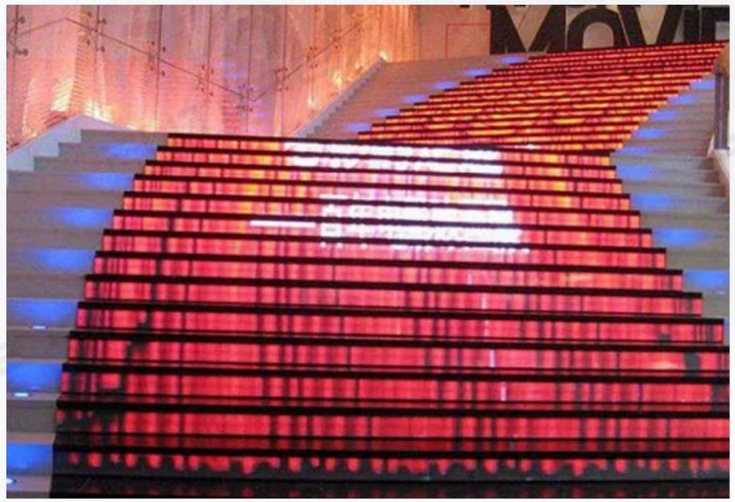
By using human-computer interaction technology to achieve interaction between humans and computers, virtual scenes can be made more realistic and vivid, enhancing visual perception and experience. In participating in this ultimate immersive scene, the audience can enjoy unlimited fun entertainment experiences and achieve immersive effects.

Immersive Scene

Linear spatial positioning and angular motion capture

Wall ground linkage

Independent interactive system



Staircase screen

Ultra high load-bearing capacity

Mode & Principle

LED screens use sensor capture technology to achieve human-computer interaction functions. Common LED interaction methods include motion sensing interaction, radar interaction, infrared frame interaction, intelligent interaction, etc.

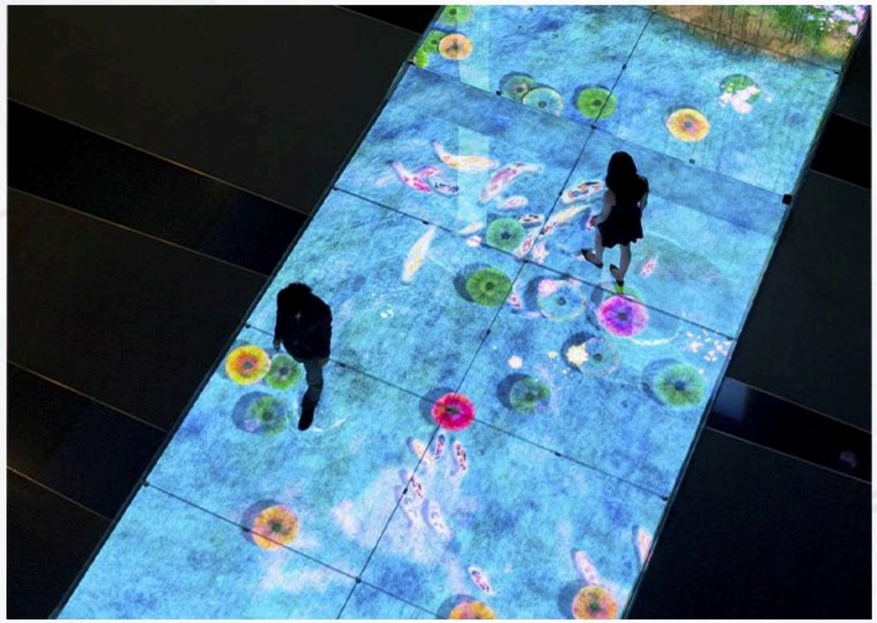
Intelligent interaction

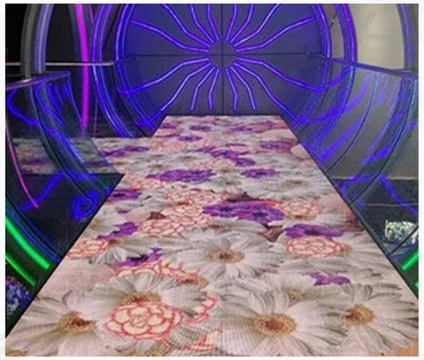
We have adopted the most advanced international microsensor technology (optical sensors).
The sensing device emits special light waves from the internal light plate of the LED ground screen module towards the screen surface. When an object touches the surface of the screen and blocks the light waves emitted by the sensing device, the system starts working. Interactive software uses the coordinates of sensing devices to determine the coordinate position of objects.

Product Parameters

Model	FX-DZIA-P2.5T	FX-DZIA-P2.6T	FX-DZIA-P2.976T	FX-DZOB-P3.91T	FX-DZOB-P4.81T	FX-DZOB-P5.2T	FX-DZOB-P6.25T
Pixel spacing	2.5	2.6	2.976	3.91	4.81	5.2	6.25
Pixel density (dots/m^2)	262144	147456	112896	65536	43264	36864	25600
Module size (mm)	250*250						
Usage scenario	indoor			Indoor/Outdoor			
Maximum power (W/m^2)	eight hundred			800/1200			
Box size (mm)	500*500			500*1000			
Weight (kg/m^2)	44			44/50			
protection grade	Front IP54, back IP43			IP67			
Full screen brightness (cd/m^2)	3000						
Perspective (°)	160						
Surface flatness (mm)	≤ 2						
Ink color on the surface of the screen	Consistent ink density, no reflection						
refresh frequency	3840hz						
Grayscale/Color	35536 level						
control mode	Synchronize with computer VGA (monitor synchronization)						
control system	DVI graphics card+full-color control card+fiber optic transmission						
Continuous trouble free working time	≥10000						
service life	one hundred thousand						
interface	Standard Ethemer network interface, communication uses RS-422						
Operating humidity range	-20 ~ 65 ℃						
Working temperature range	10% ~90% RH						

Case Presentation





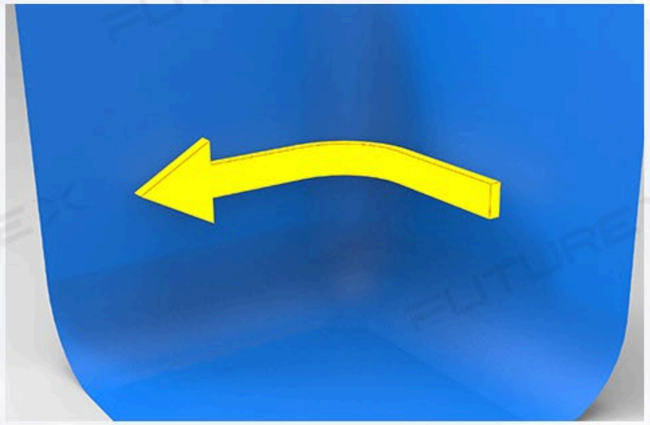
Immersive LED Screen

Model: P1.8/P2.5

The core of immersive experience lies in creating a deeply immersive environment for participants, in order to more accurately and vividly reproduce the world of light and shadow that can be perceived by the human eye, making the boundary between virtual and reality increasingly blurred.

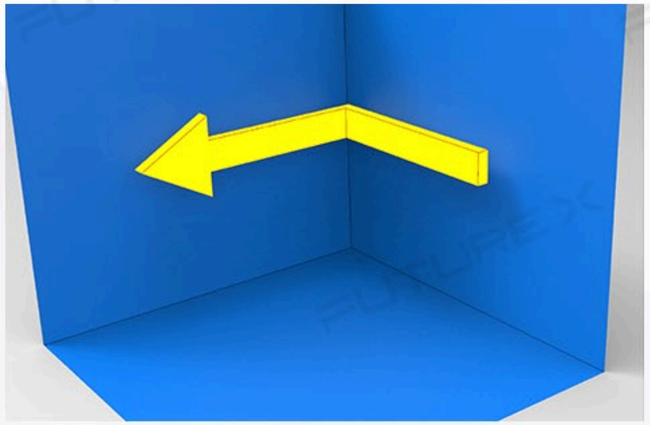
Advantage

The immersive solution effectively solves the problems of right angle splicing and distorted images in LED immersive displays, providing viewers with an immersive experience and a feeling of being in a virtual world.



Our Immersive Style

There are creases in the transition of the right angle image

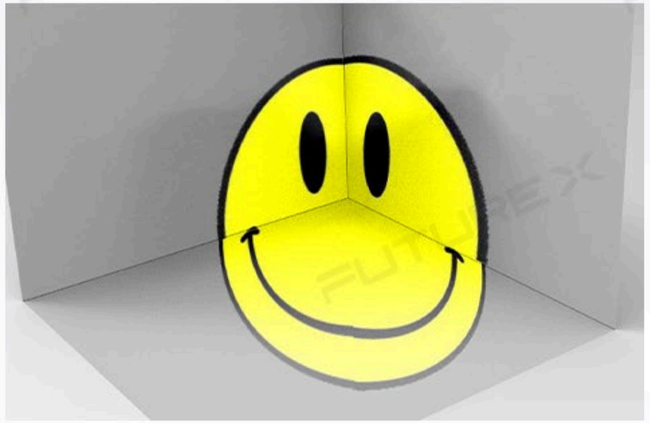


Traditional Immersive Style

Transition of right angle image without creases

Our Immersive Style

No distortion in the image



Traditional Immersive Style

There is obvious distortion in the picture

Solution

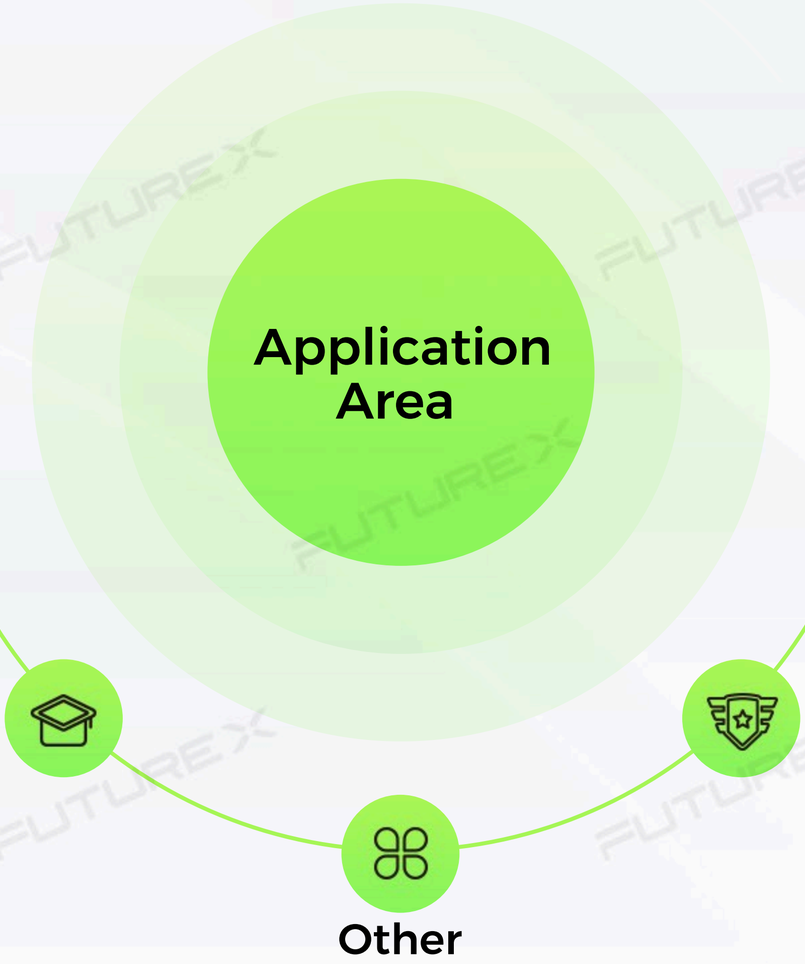
There are multiple installation solutions to meet the needs of different scenarios.

Four sided sky screen

Four sided ground screen

Immersive five screen display

Application Area



Scientific Visualization

Planetary surface reconstruction, virtual wind tunneltesting, molecular structure analysis, etc

Education

Virtual Science Laboratory, Virtual Science Museum, Mathematical and Spatial Concepts, Life Education

Other

Aviation

Simulated training extravehicular activities, simplified rescue devices for extravehicular activities, zero gravity mass processing training, space tourism

Military Affairs

Flight simulation, various military vehicles, warships, remote control of weapons, and military exercises, etc

Product Parameters

Model	FX-CJCAVE-P1.86	FX-CJCAVE-P2.5
Pixel spacing (mm)	1.86	2.5
Pixel density (dots/m^2)	288906	160000
Corner angle diameter (m)	1.22	
Corner arc length (m)	0.96	
Flexible module design with bendability	140°	
Arc radius (mm)	611	
Relative deviation of pixel center distance	≤1.1%	
Relative misalignment value between boxes/modules	<2%	
Assembly flatness (mm)	≤0.3	
Gap between assemblies (mm)	≤0.2	
Brightness (cd/m^2)	≥700	
Highest contrast ratio	6000:1	
Module power (W/m^2)	22.5	
Average power consumption of the entire screen (W/m^2)	126	
Peak power consumption of the entire screen (W/m^2	443	

Case Presentation

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