

MUXWAVE
Holographic Invisible Screen



Holographic Invisible Screen

High definition, real invisibility

CE FC CCC RoHS ETL

www.muxwave.com






Founded in 2012, MXW Device (Shenzhen) Co., Ltd., with a registered capital of RMB 21,448,500, focuses on the R&D, production and sales of its two major businesses: high-performance digital-analog hybrid chips and MUXWAVE Holographic Invisible LED Screen.

MUXWAVE has a R&D team with rich experience and leading technical strength, and has built R&D technology platforms such as "intelligent terminal charging data chip, LED smart landscape & display driver chip, and 8-bit and 32-bit MCU for smart home appliances and industrial control", and has accumulated sales of more than 30 billion pieces of chip products, which are widely used in industrial control, Internet of Things, industrial control and other market areas. What's more, MUXWAVE has the world's first Holographic Invisible LED Screen, which owns nearly 100 intellectual property rights, including invention patents. This product, with a broad market prospect, is widely used in retail, business, media, digital exhibition, stage rental and other market areas, with a broad market prospect.

In the 11 years of development and exploration, MUXWAVE adheres to "Technology until Transcendence; Stability from Silicon; Macro into Micro" for the company purposes. With the mission of "One Pixel One IC, To Beautify our World", we commit to the IC business to build an engine of high-performance chips, and also perform the layout of vision drive to lead the future of smart display! We strive to link the digital future with ubiquitous space visual interaction!

Multiple patents and qualification certifications

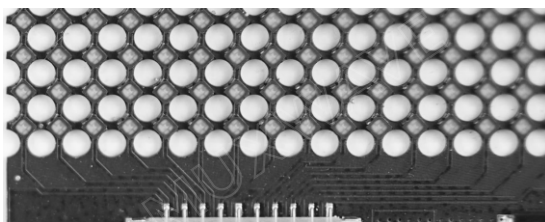
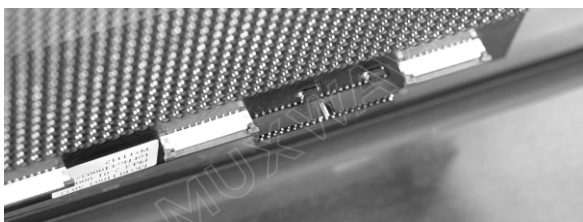
MXW is recognized as Specialized, Refined, Differential and Innovative Hi-tech Middle and Small-sized Enterprises of Guangdong Province .				
National High-Tech Enterprise 		Certifications 		
Patents for Invention	Utility Models	Appearance patents	Software Copyrights	PCT
58	54	22	23	6
Intellectual property statement: As of April 2023, chip design and carrier boards of MXW holographic invisible screens, electronics, structure and software of hard and flexible screens have been protected by more than 40 domestic and foreign patents, including patent for invention.				

Holographic Invisible Screen · Series M

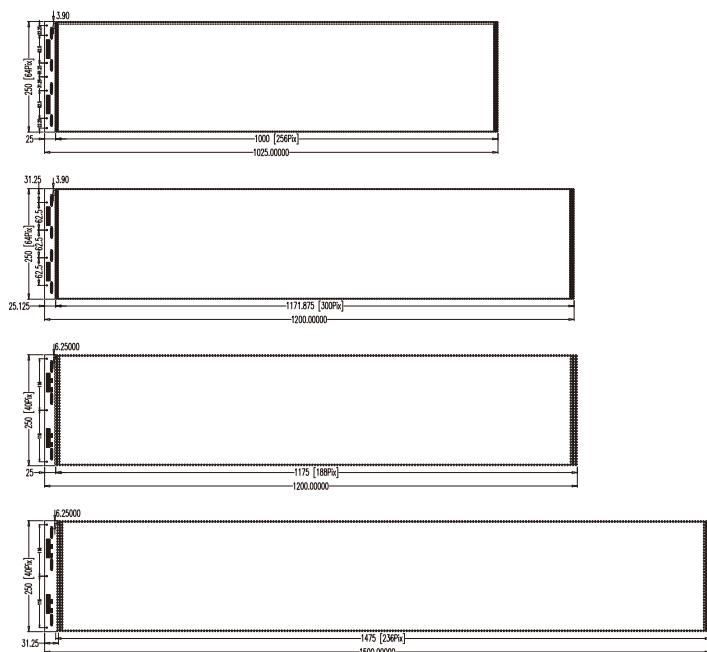


Ultra-clear and ultra-thin, high-transparency and high-temperature resistant high-end materials are used.

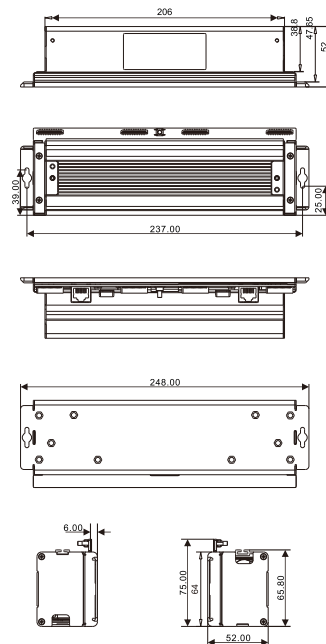
The light board is perfectly designed to easily achieve a permeability of up to 80%. The overall mounting without a structural skeleton, the screen body can be spliced left and right, up and down, and can achieve a display height or width of 2.4-3 meters. Commercial window, glass curtain wall and other indoor and outdoor scenes.



▼ Module dimensions:M3.91/M6



▼ Control Box



Holographic Invisible Screen · Series A

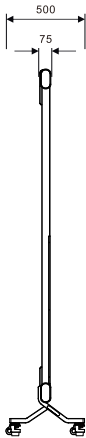
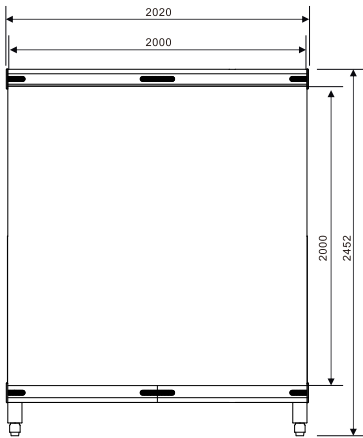
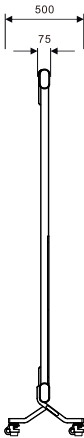
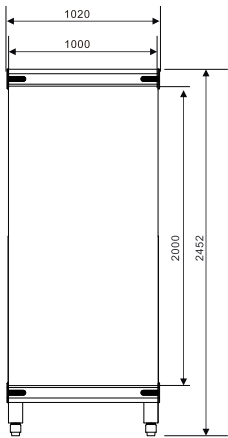


The product is lightweight and also have another design for LED poster, which is movable and detachable. Display modules can be increased or decreased at any time according to the usage environment like exhibition booth, stage, door curtains show and other scenarios.



▼ External dimensions:1000*2000mm

▼ External dimensions:2000*2000mm



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Transparent and invisible whole screen

The whole screen is transparent without frame; it is seamlessly spliced in a large area; the back side is invisible without floodlight.



Holographic 3D suspension images

Display effect of 3D holographic and spatial suspension images.



Transparent and excellent image quality

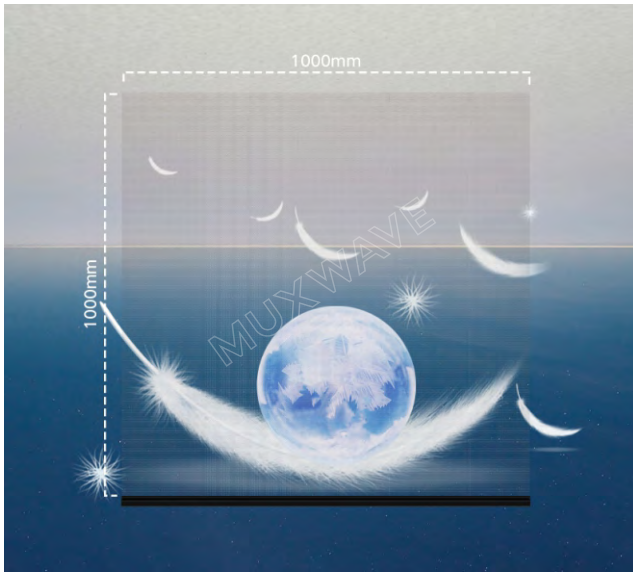
Equally spaced pixel layout for high-definition image quality; static scanning with combined diver board for table images; 16bit gray scale with exquisite colors.



High brightness & high contrast

9,000:1 (high contrast), 5,000cd/m² (high brightness), dazzling and eye-catching.

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Light weight of 6kg/m²

With professional aesthetic design, the display screen is lightweight and beautiful and weighs only 6kg/m².



As thin as 1.8mm

The thickness of the screen is less than 2mm, and it is seamlessly attached on a curved surface to show an integral whole on the transparent glass.



Flexible

Standard module can be bent and skillful applications. It is the best partner of curved glass and irregular screens.



Minimal installation and maintenance

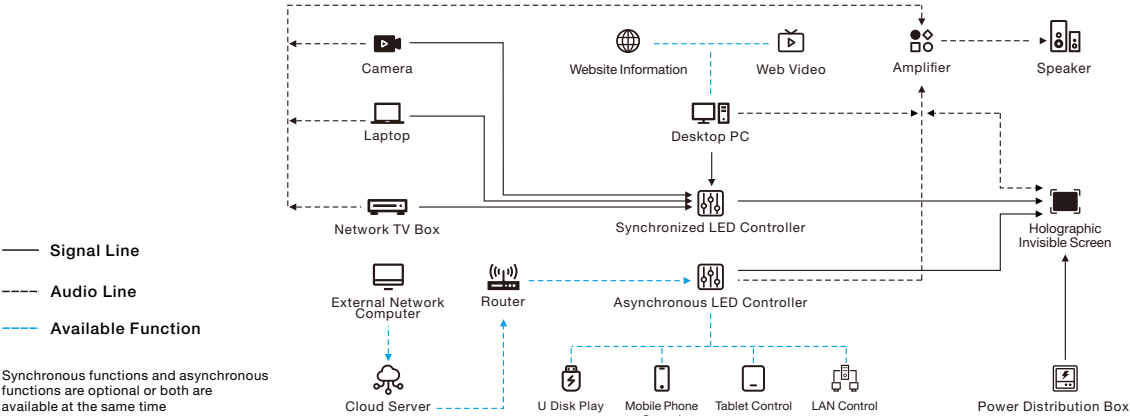
The product is modular and can be directly attached to the front or back side of transparent glass without damaging the original structure of the building or affecting indoor lighting.

Specifications

Model	M2	M3	M6	M10	A3-2	A3-4
Pixel Pitch (mm) (horizontal / vertical)	P2.5/P2.5	P3.91/P3.91	P6.25/P6.25	P10/P10	P3.91 / P3.91	P3.91 / P3.91
Pixel Density(dot/m²)	160000	65536	25600	10000	65536	65536
Transparency Rate	70%	80%	90%	85%	80%	80%
Display Dimension (mm) (w*h)	125x1000 125x1175	250x1000 250x1171 250x1468	250x1175 250x1475	250x1000	1000x2000	2000x2000
Profile Dimension (mm) (w*h)	125x1025 125x1200	250x1025 250x1200 250x1500	250x1200 250x1500	250x1000	1021x2230x75 1021x2452x500	2021x2230x75 2021x2452x500
Resolution (dot) (w*h)	50x400 50x470	64x256 64x300 64x376	40x188 40x236	25x120	256x512	512x512
Brightness(cd/m²)	≥1200	≥3000	≥5000	≥4000	≥3000	≥3000
Weight(Kg/set)	1.63	1.6	1.6	1.2	40	60
Encapsulation Type	Light Board & Driving Board Integrated	Light Board & Driving Board Integrated	Light Board & Driving Board Integrated	Light Board & Driving Board Integrated	Light Board & Driving Board Integrated	Light Board & Driving Board Integrated
Scanning Mode	Static Driving (Single Pixel Single Control)	Static Driving (Single Pixel Single Control)	Static Driving (Single Pixel Single Control)	Static Driving (Single Pixel Single Control)	Static Driving (Single Pixel Single Control)	Static Driving (Single Pixel Single Control)
Lifespan	≥100,000.00 hours	≥100,000.00 hours	≥100,000.00 hours	≥100,000.00 hours	≥100,000.00 hours	≥100,000.00 hours
Pixel Configuration	16bit	16bit	16bit	16bit	16bit	16bit
Maximum Power Consumption (w/m²)	800	1000	1000	1000	1000	1000
Average Power Consumption (w/m²)	300	375	375	375	375	375
Control System	Colorlight / Novastar	Colorlight / Novastar	Colorlight / Novastar	Colorlight / Novastar	Colorlight / Novastar	Colorlight / Novastar
Input Voltage	AC100~240V 50/60 Hz	AC100~240V 50/60 Hz	AC100~240V 50/60 Hz	AC100~240V 50/60 Hz	AC100~240V 50/60 Hz	AC100~240V 50/60 Hz
Working Voltage for Module	DC 4.2V ± 0.2V	DC 4.2V ± 0.2V	DC 4.2V ± 0.2V	DC 4.2V ± 0.2V	DC 4.2V ± 0.2V	DC 4.2V ± 0.2V
Working Temperature	Temperature -20°C~50°C	Temperature -20°C~50°C	Temperature -20°C~50°C	Temperature -20°C~50°C	Temperature -20°C~50°C	Temperature -20°C~50°C
Working Humidity	Humidity: 20% -85% (Without Condensation)	Humidity: 20% -85% (Without Condensation)	Humidity: 20% -85% (Without Condensation)	Humidity: 20% -85% (Without Condensation)	Humidity: 20% -85% (Without Condensation)	Humidity: 20% -85% (Without Condensation)
Storage Temperature	Temperature -20°C~60°C	Temperature -20°C~60°C	Temperature -20°C~60°C	Temperature -20°C~60°C	Temperature -20°C~60°C	Temperature -20°C~60°C
Storage Humidity	Humidity: 10% -85% (Without Condensation)	Humidity: 10% -85% (Without Condensation)	Humidity: 10% -85% (Without Condensation)	Humidity: 10% -85% (Without Condensation)	Humidity: 10% -85% (Without Condensation)	Humidity: 10% -85% (Without Condensation)
Protetion Degree	IP20	IP20	IP20	IP20	IP20	IP20
Frame Material	/	/	/	/	Aviation Aluminum Alloy	Aviation Aluminum Alloy
Installation Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Packing Way	Pearl Cotton+Wooden case/Airbox	Pearl Cotton+Wooden case/Airbox	Pearl Cotton+Wooden case/Airbox	Pearl Cotton+Wooden case/Airbox	Pearl Cotton+Wooden case/Airbox	Pearl Cotton+Wooden case/Airbox

Statement: The relevant parameters in the table are subject to real-time update, and the data is for reference only.
Upgrade will be made without further notice.

System Topology



Application



HUAWEI · Global Mobile Broadband Forum 2023



China Guizhou Guiyang Big Data Expo



Poster IAA Mobility 2023