LCD Transparent Showcase (3D Holographic Box)

OSMIC PRODUCTIONS

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01. Product Description

The LCD transparent Showcase/3D Holography Box uses transparent optical film technology and a dual combination of external box backlight source technology to achieve high-definition and transparent display of the LCD screen.

The product can be matched with touch query function and information release system. While achieving high-end product display, you can also publish product videos, pictures, texts and other product- related introductions; enhance the experience and sense of technology of the product, attract customers' attention, effectively improve product positioning and enhance corporate brand image.

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Product Details

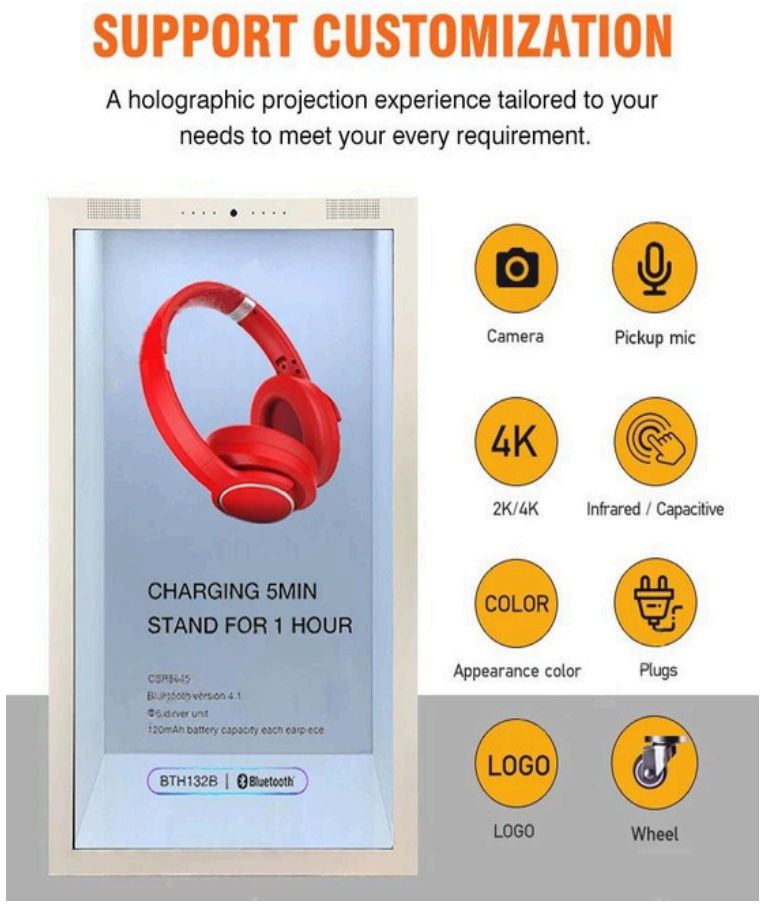
The product utilizes the principle of LCD display and uses the backlight separation method to effectively separate the liquid crystal glass and backlight.

It uses high transmittance liquid crystal glass combined with separate backlight technology to achieve high-definition and transparent display, and at the same time, you can see the transparency. Objects behind LCD glass.

The LCD transparent display showcase has a black screen in the standby state, and a transparent display screen in the power-on state, which is also similar to transparent glass. When the signal is input, it can play video signals, pictures, and music in perfect high-definition; at the same time, it can also be seen clearly Go to the items placed behind the display.

Product Features

Rich applications and multi-functional display. It supports touch query, picture carousel, video playback, product introduction, and USB disk plug-and-play; it can display physical objects and release information at the same time, creating a more vivid new media.



1) Ultra-thin and compact appearance

Professional sheet metal, simple narrow frame design, thinner, lighter and more convenient than ordinary LCD screens, making it easy to change exhibits at any time;

2) Full HD wide vision

High definition, 90% light transmittance, direct imaging without using the reflection imaging principle of light, avoiding the loss of image quality brightness and clarity caused by light reflection imaging;

3) Energy saving, environmental friendly and no radiation

Power consumption is 90% lower than traditional LCD screens
There is no radiation effect, the light is more uniform, it does not hurt the eyes, and it is more environmentally friendly.

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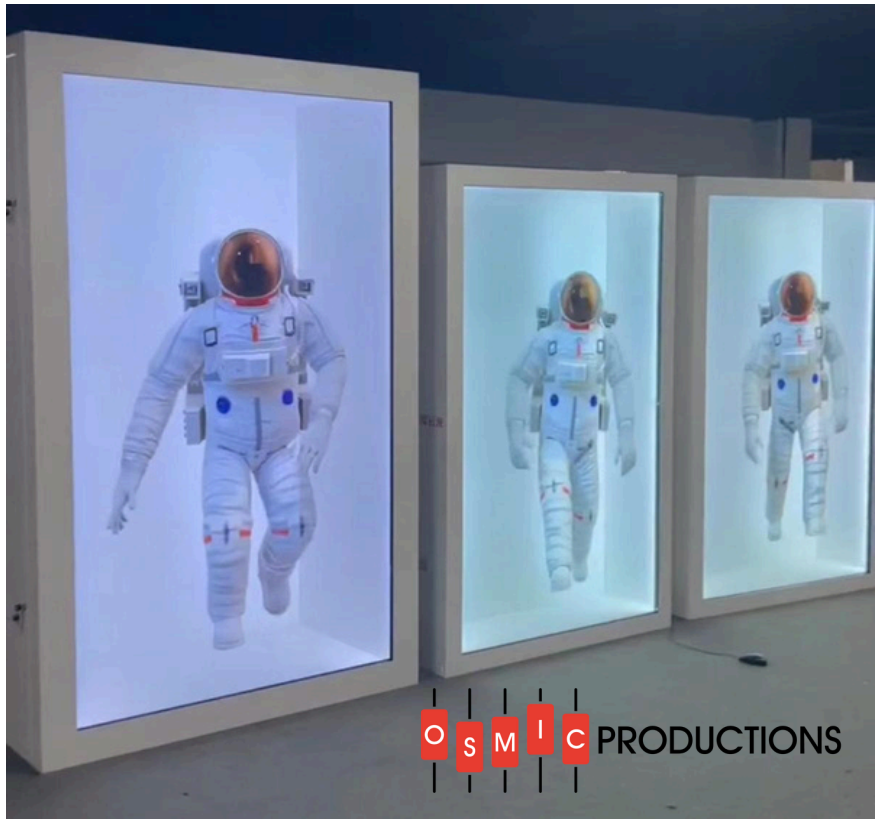
Product Features

Able to achieve multiple values easily. Modern, fashionable and interesting display of corporate style, brand and product promotion, making your products more popular. Showcase the best display products for virtual humans, digital humans, and the 3D metaverse.



1) Flexible playback content

Put the product introduction or other graphics and other materials prepared in advance into the designated folder of the USB flash drive and connect it to the transparent screen display cabinet. The program will automatically import it, plug and play, and it is easy to use.

2) Optional monitor/Android/Computer system

It can be played offline and on a stand-alone computer, and will run automatically upon startup to play related product introductions.
Can load interactive software designed by you, as well as self-developed playback programs.

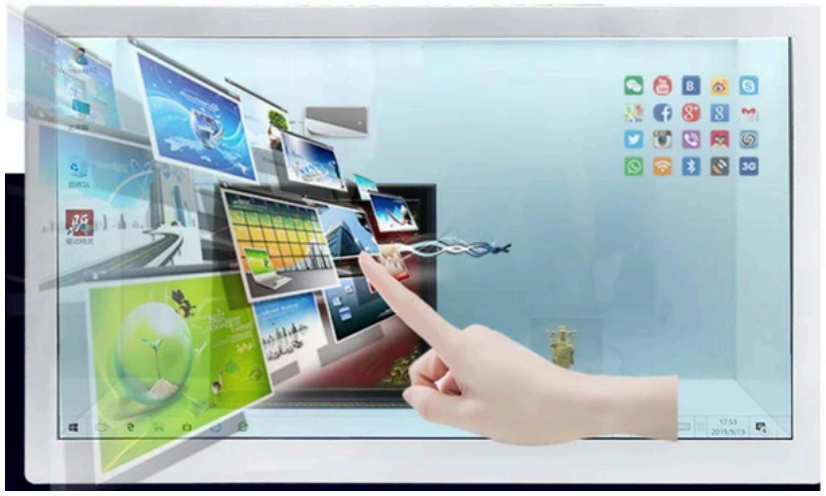
3) It can be used as a single machine/splicing

The size can be matched according to actual needs. When the maximum size of a single screen is exceeded, splicing can also be used to achieve on-site large screen use.

Product Features

Infrared touch intelligent operation

It comes with 10-point infrared touch, precise touch, you can directly click on the screen to switch multimedia content, which is convenient and intelligent.



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Infrared Touch Datasheet

Touch technology	10-point infrared touch screen	Operating Voltage	5.0V (internal voltage 3.3V)
Touch point recognition	10 points	Average current	< 200MA
Touch Pressure	zero pressure	Power consumption	1W
Transmittance	100% light transmittance	Max. current	<350MA
Touch physical resolution	1000×1000	Sleep current	<10mA
Touch mode	Finger, pen (non-capacitive, electromagnetic pen)	Respond speed	≦8-20ms
Minimum identification point size	8 mm × 8 mm	Interface	USB2.0HID
Minimum contact detection	3 mm	Scan speed	50 frames/sec
Surface durability	7 Hours	Interference	No static interference or drift phenomenon
Temperature range/storage temperature	Working temp.: 0℃-50℃—40℃-85℃	Support platform	Windows /linux/Android

Product Features

Android System Datasheet

CPU	Chip RK3288 most powerful quadcore1.8GHz Cortex-A17 quadcore GPU Mail-T764	Mipi Camera	24pin FPC interface, support 1300w Camera（optional）
Memory	2G	Serial port	Default 3 TTL serial port sockets (can be changed to RS232 or 485)
Built-in memory	16G	GPS	External GPS（optional）
Memory expansion	Supports TF card expansion up to 64GB	WIFI、BT	Built-in WIFI，BT4.0 Built-in WCDMA, EVDO, 4G full
Built-in ROM	2KB EEPROM	3G	network, supports voice calls
Decoding resolution	Maximum support 3840*2160	Ethernet	1, 10M/100M/1000M adaptive Ethernet
Operating system	Android 6.0.1	TF card	Support TF card 1 single/dual channel,50/60Hz LCD screen
Play mode	Supports multiple playback modes such as loop, timing, and insert	LVDS output	direct drive EDP interface LCD screens with multiple resolutions
Network support	3G, Ethernet, support WiFi, Bluetooth 4.0, wireless peripheral expansion	EDP output	direct drive EDP interface LCD screens with multiple resolutions
Video playback	Support AVI (H.264, DIVX, DIVX, XVID), rm, rmvb, MKV (H.264, DIVX, DIVX, XVID), WMV, MOV, MP4 (H.264, MPEG, DIVX, XVID), DAT (VCD format), VOB (DVD format), PMP, MPEG, .MPG, FLV (H.263, H.264), ASF, TS, TP, 3GP, MPG and more than 30 formats	HDMI output	1, supports 1080P@120Hz, 4kx2k@60Hz output
Image format	Supports browsing of various image formats such as JPG, BMP, PNG, GIF, etc. and supports rotation/slideshow playback, with a maximum resolution of 4096*4096	HDMI in	HDMI input, 30pin FPC custom interface (optional)
USB2.0 interface	2个USB HOST、4个USB sockets	Audio & Video output	Supports left and right channel output, built-in dual 8R/5W power amplifiers

Product Features

Computer System Datasheet

PC	Main Board CPU	Intel core i3/i5/i7 android	Memory+Storage	4GG/8GB+120G SSD, etc
		Rockchip RK3288/3399/3568/3588, Amlogic A311D, Qualcomm, etc	RAM+ROM	2GB/4GB+8GB/16/32GB, etc
	Speakers	HiFi stereo speakers (amplifier for option)	Built-in wifi	2.4GHz & 5GHz IEEE 802.11a/b/g/n
	Interface	HDMI,VGA,USB		
	NPU (neural network processing unit) for option AI Inference Architecture: TensorFlow / MXNet / PyTorch / Caffe, etc			
Network	2.4 & 5GHz WiFi, 1000M Ethernet, Ble, etc; 3/4/5G LTE supported;			
Accessories	AC power cable, power cord, wifi antennas			
Special features	Intel Realsense/ Orbbec 3D depth camera, RGB camera, Logitech video conference camera, IR motion detection sensor, etc (for options)			
Operating System	WIN7/ WIN8/ WIN10 Android 9/10/11/12			
Products Function	Digital advertising, video conference, telepresence, holoportation, 3D hologram, etc			

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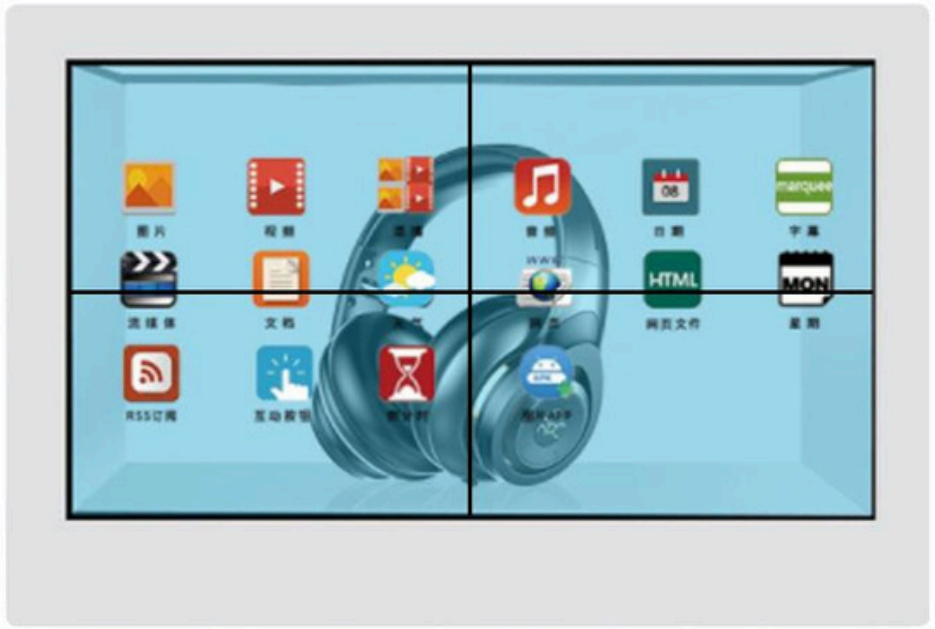
02 .Product Information

The LCD transparent screen can be customized in a variety of sizes from 8 inches to 98 inches. It supports style, thickness, logo customization, splicing combination customization and on-site exhibition hall fit customization.



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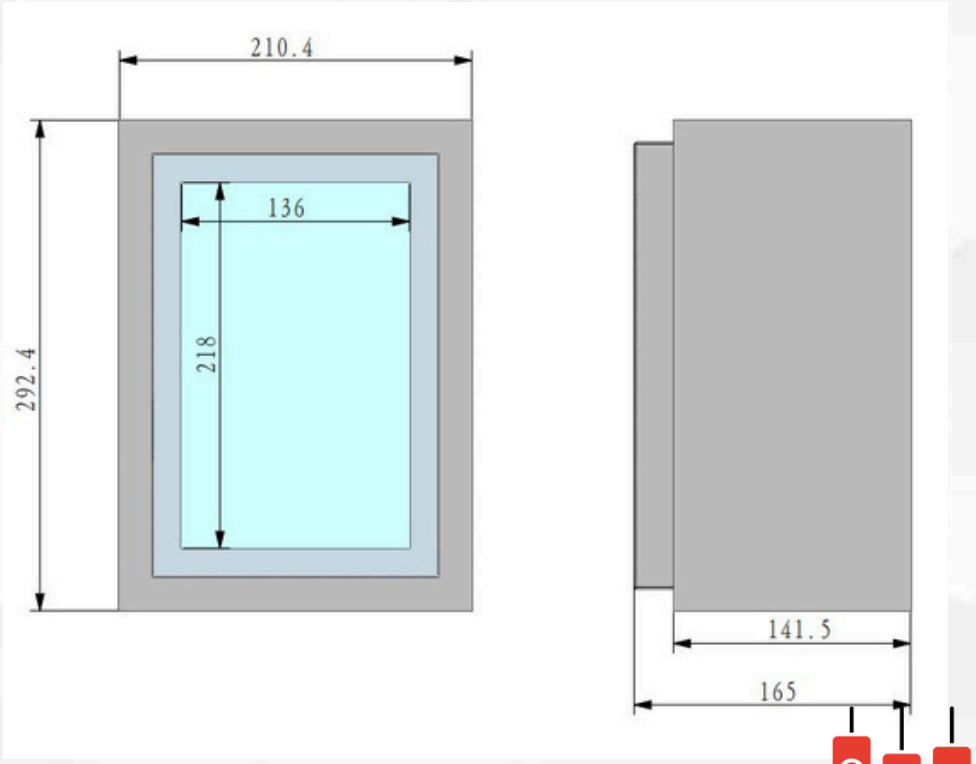
The LCD transparent Showcase Datasheet

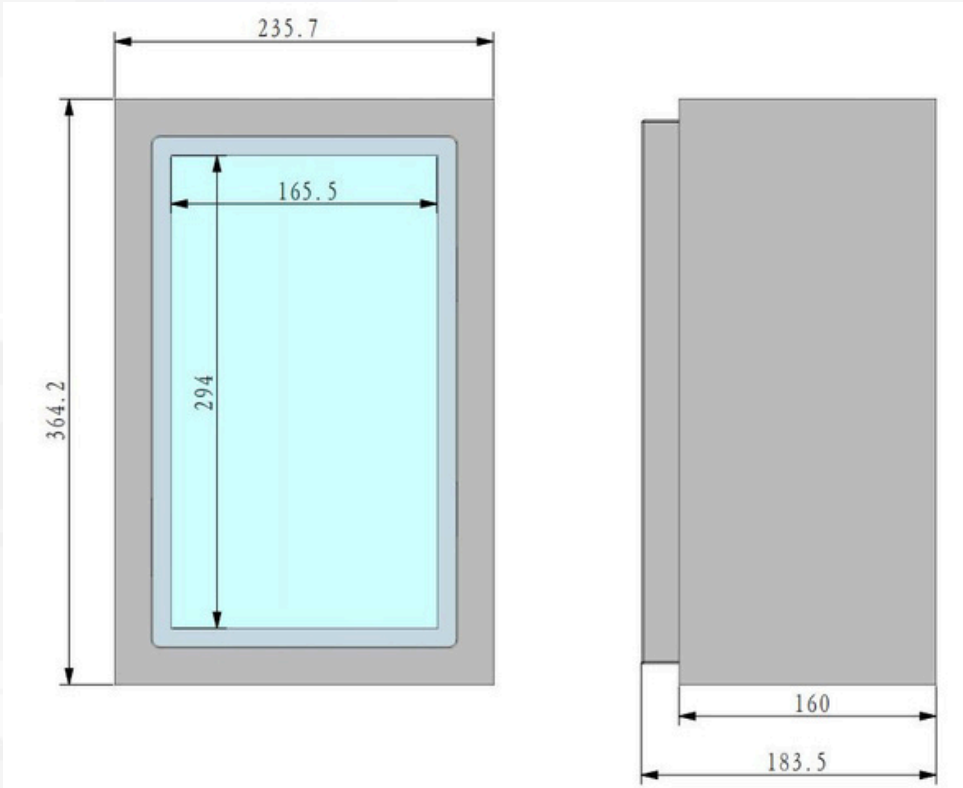
Product Spec. (front/rear access)	11.6 Inches	21.5 Inches (rear access)	32 Inches (rear access)	43 Inches (rear access)	49 Inches (rear access)	55 Inches (rear access)	65 Inches (rear access)	75 Inches (rear access)	86 Inches (rear access)
Dimension (L*W*T)	306*220*212.	561*366.6*310.	798*508*330.	1040*650*330.	1180*735*350.	1309*821*400.	1535*934.5*400.	1877*1134*450	2081.6*1232.6*600
Display size	256*144	475.5*266.6	703.6*398.1	947.1*535.1	1079.6*610.1	1215.6*686.1	1434.6*809.6	1657*934.6	1901.6*1072.6
Resolution	1366*768	1920*1080	1920*1080	1920*1080	1920*1080	1920*1080	1920*1080	3860*2160	3860*2160
Weight	10KG	16KG	27.5KG	37.5KG	60KG	63.5KG	85KG	120KG	170KG
Max. power (comp. not included)	≤50W	≤100W	≤100W	≤150W	≤160W	≤170W	≤260W	≤260W	≤350W
Stand-by power	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W
Freq. rate	60Hz	60Hz	60Hz	60Hz	60Hz	120Hz	120Hz	120Hz	120Hz
Material	Metal sheet, white painted (custom color available)								
Screen Type	Transparent LCD								
Transmittance	90%								
Brightness	400cd/m2								
aspect ratio	16:9/9:16								
Lighting	Lcd								
Pixel format	RGB vertical stripe								
Interface	USB (x2) / HDMI (x1) / Network port (x1) / VGA (x1)								
Touchscreen	10 points infrared touch / without touch								
Response time	8(Typ.)(G to G) ms								
Configuration	*Stand-alone Android motherboard: insert the card to play videos or pictures in the card *High-end Android motherboard: touch interaction, edit touch interactive software at will *X86 computer system: WIN7 WIN10 system								

Product Display

10.6 Inches
(Thickness: 165mm)
Vertical & horizontal
arrangement



13.5 Inches
(Thickness: 183.5mm)
Vertical & horizontal
arrangement



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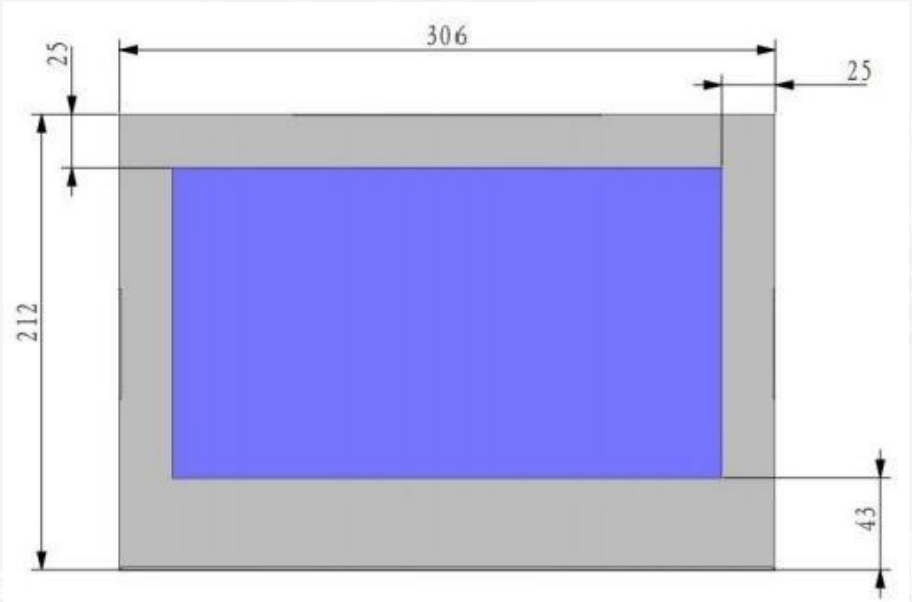
Product Display

11.6 Inches
(Thickness: 220mm)
Vertical & horizontal
arrangement



21.5 Inches
(Thickness: 310mm)
Vertical & horizontal
arrangemen
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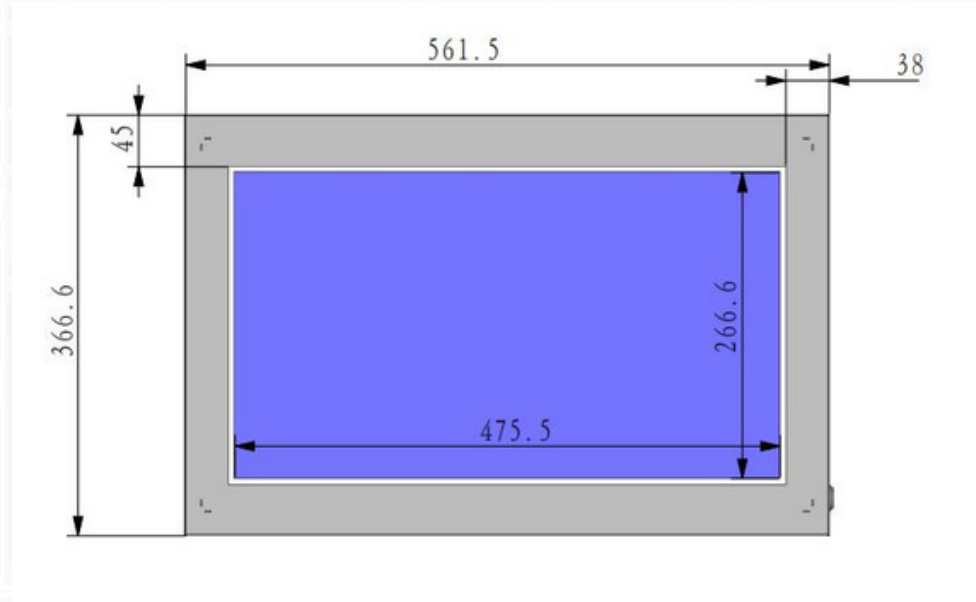

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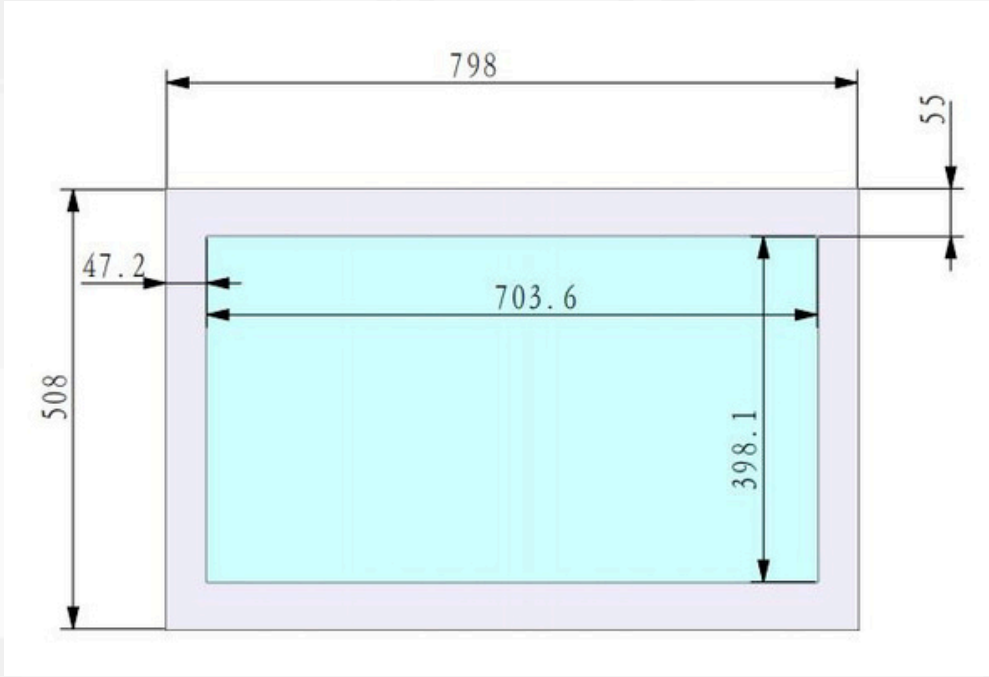
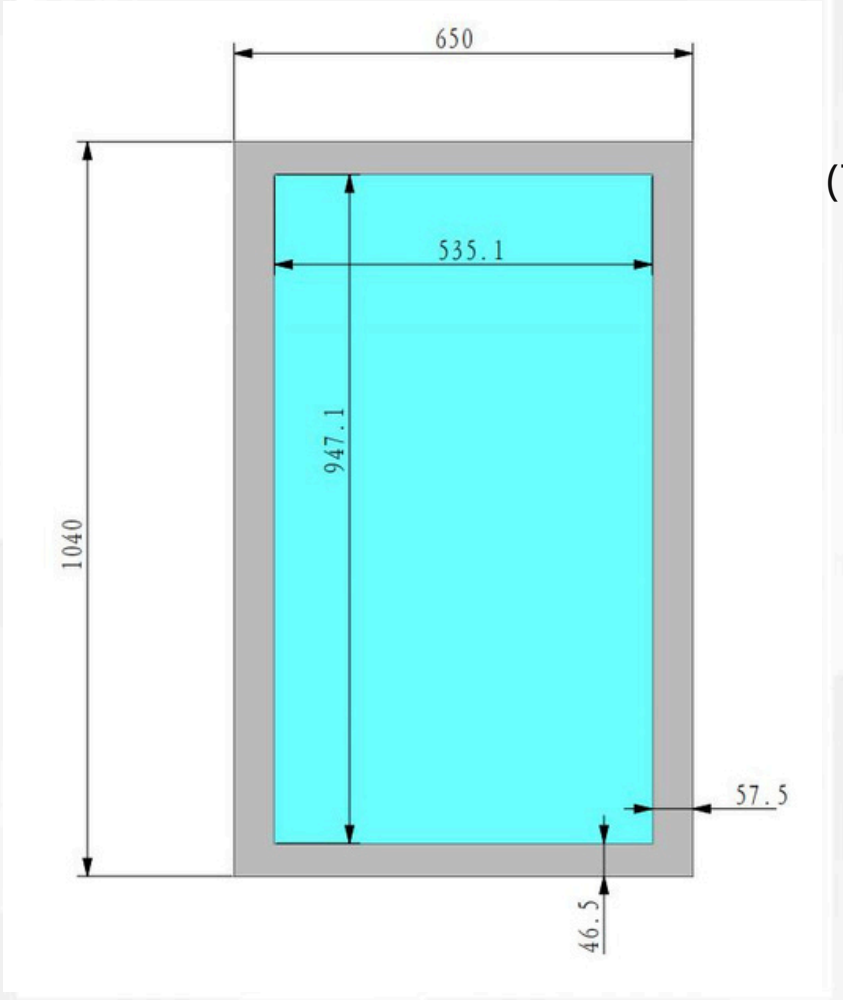
Product Display

32 Inches
(Thickness: 330mm)
Vertical & horizontal
arrangement





43 Inches
(Thickness: 330mm)
Vertical & horizontal
arrangement

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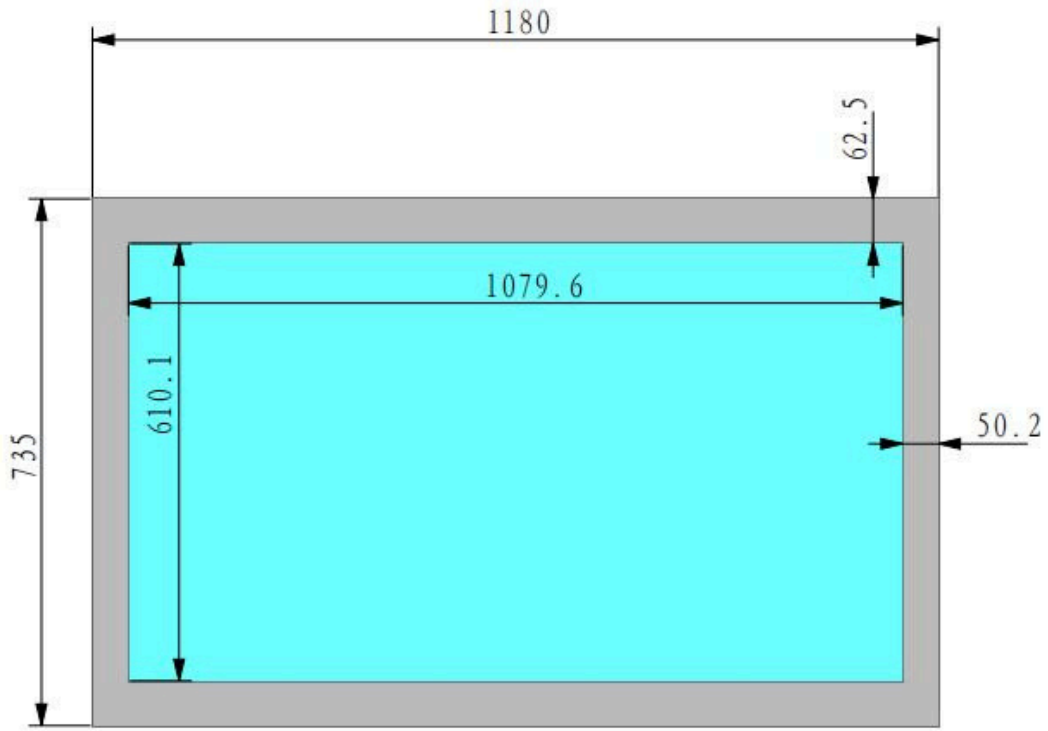
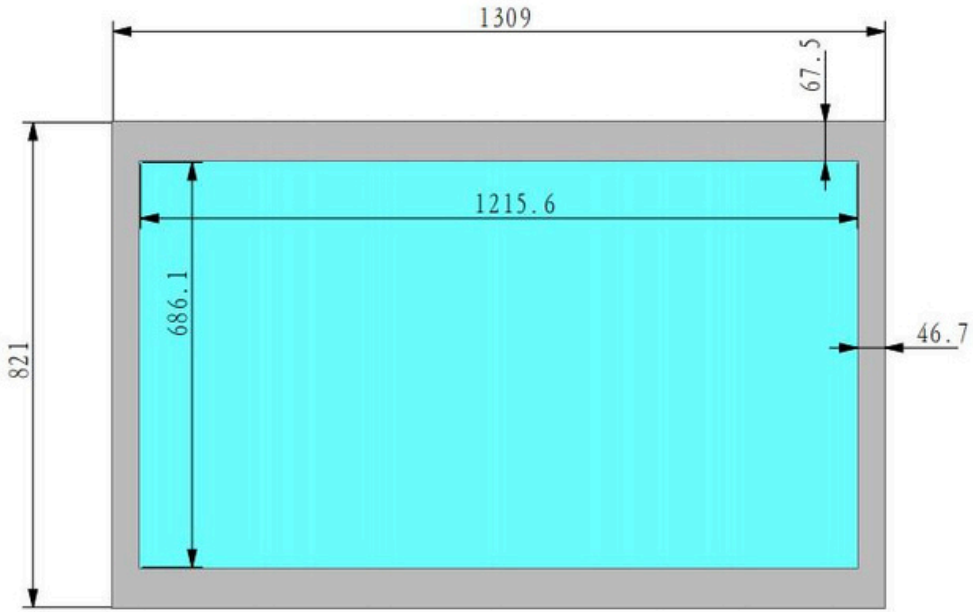
Product Display

49 Inches
(Thickness: 350mm)



55 Inches
(Thickness: 400mm)



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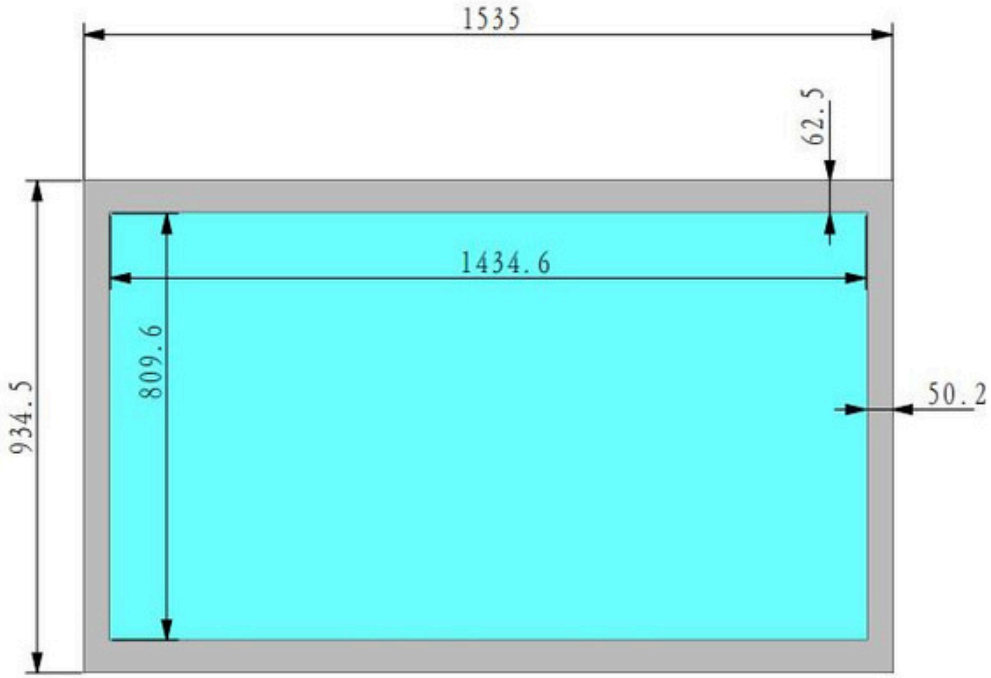
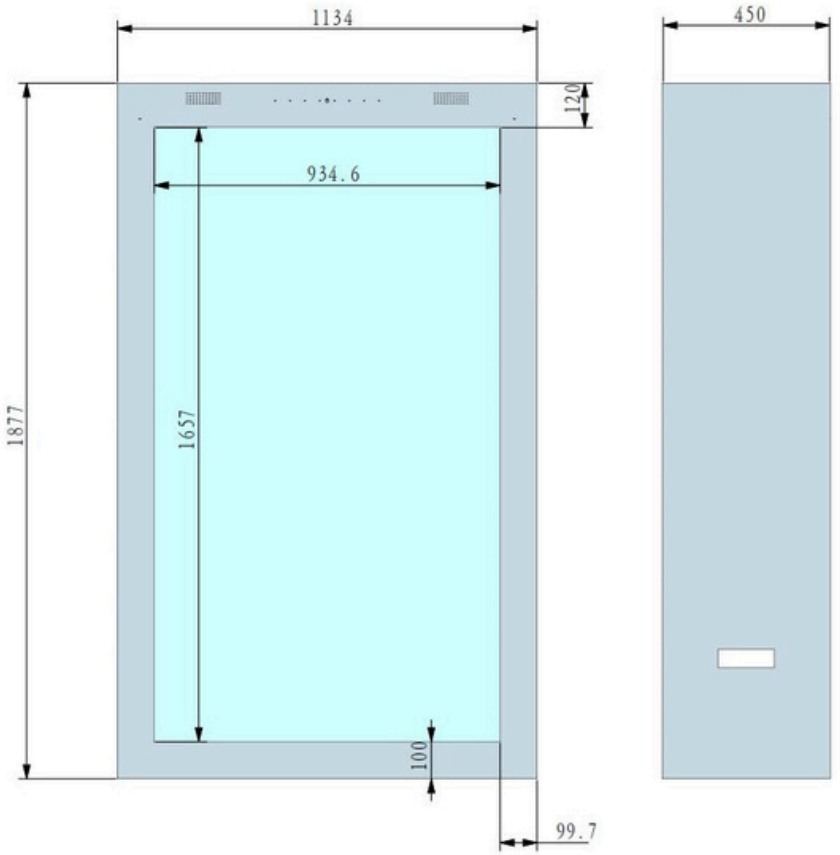
Product Display

65 Inches
(Thickness: 400mm)



75 Inches
(Thickness: 450mm)



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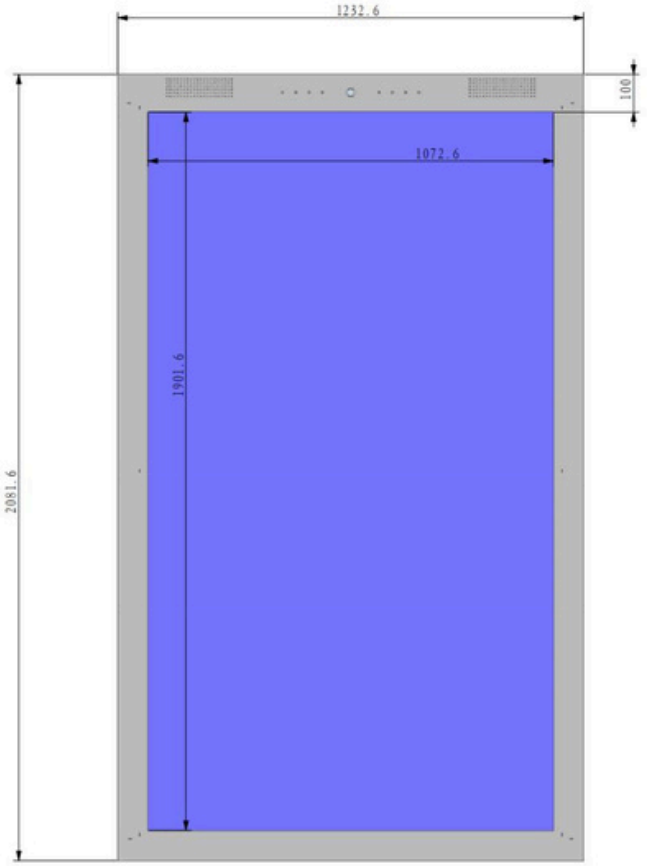
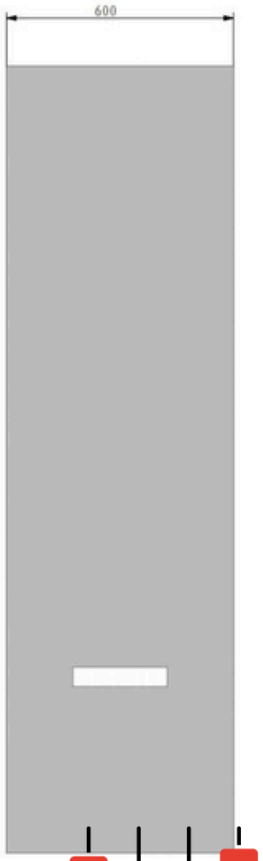
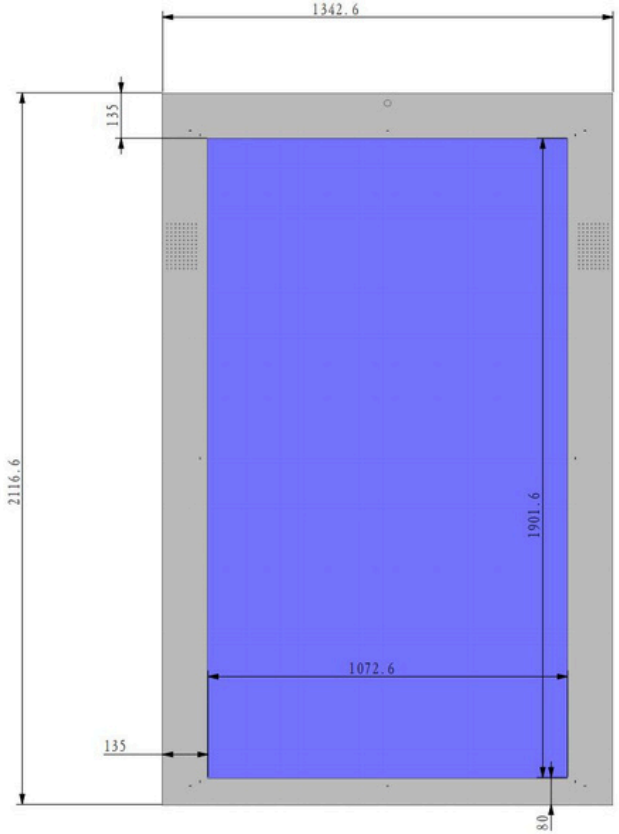
Product Display

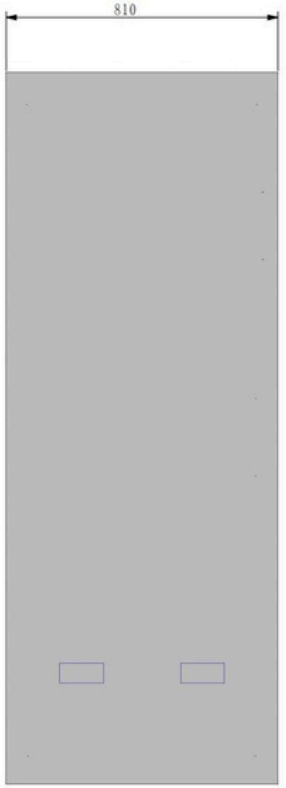
86 Inches
(Thickness: 600mm)





86 Inches
(Thickness: 810mm)





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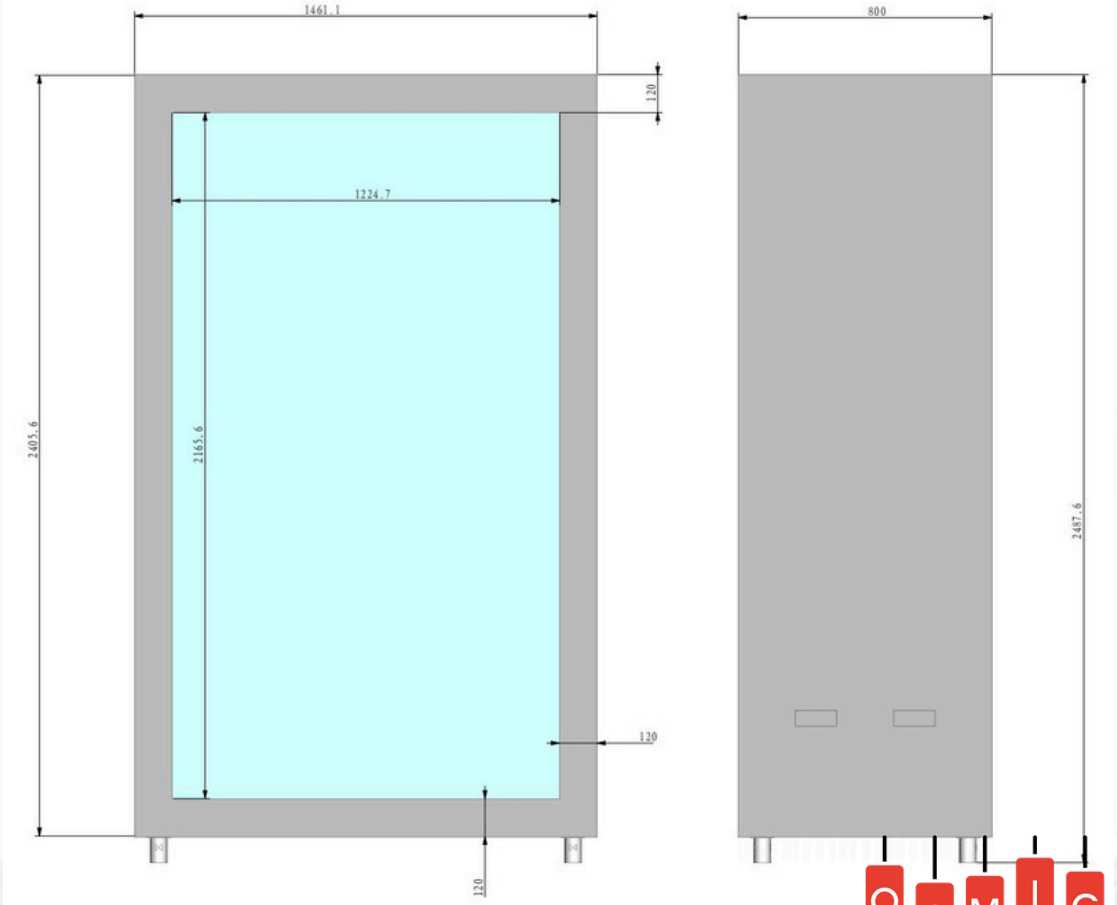
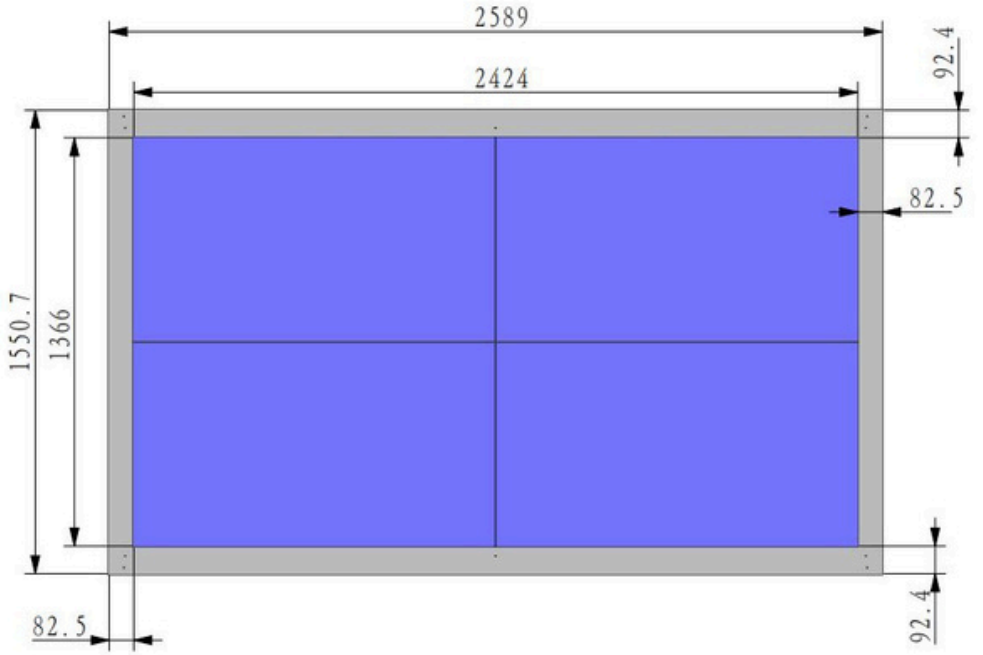
Product Display

98 Inches Holographic Showcase
(Thickness: 800mm)



110 Inches 2*2 splicing
(Thickness: 450mm)



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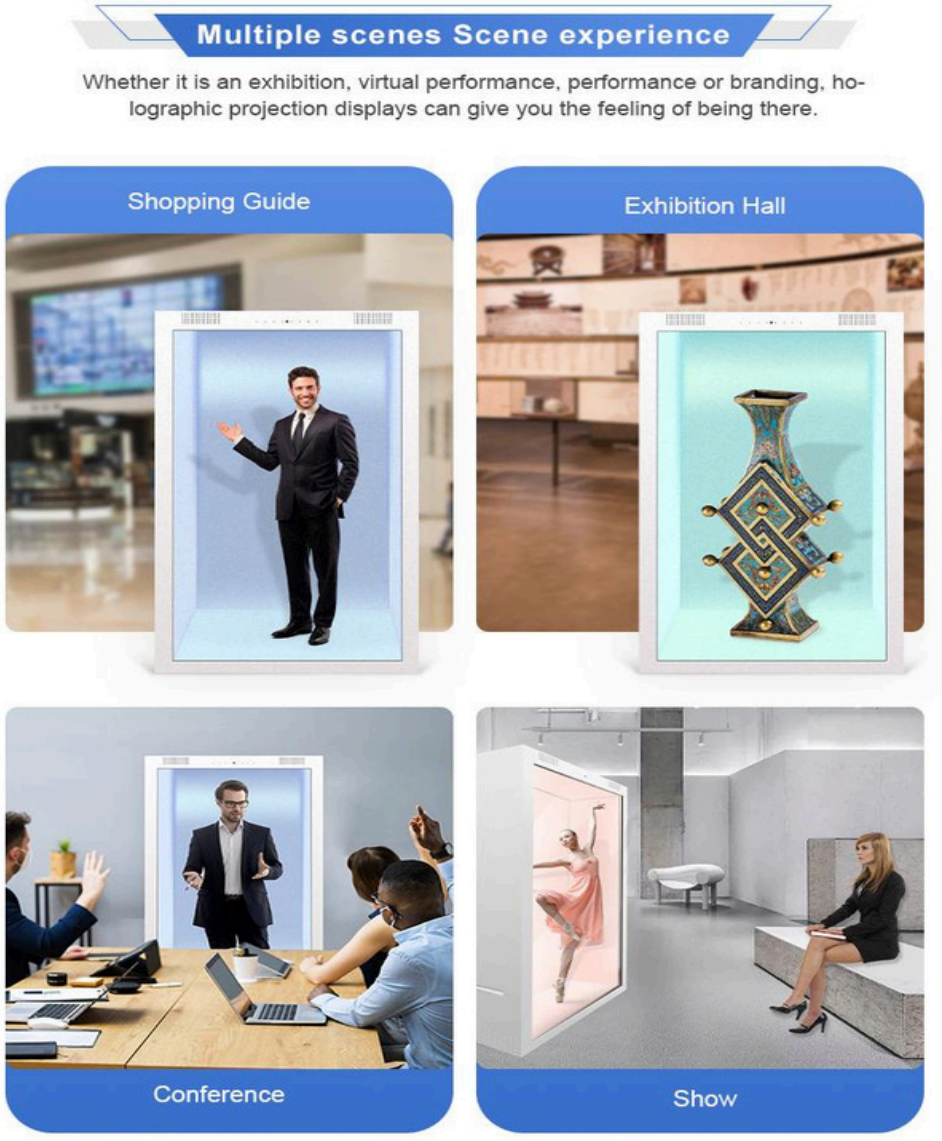
03. Applications



1. Commercial Display: Shopping malls, exhibitions, product launches, etc.
2. Advertising Promotion: Billboards, shop window displays, etc.
3. Information Release: Corporate lobbies, airports, railway stations, etc.
4. Digital Human Virtual Display: The transparent cabinet can realistically showcase digital human virtual beings, enhancing their realism and interactivity, for instance, used for displaying virtual tour guides, virtual sales consultants, etc.
5.educational settings: can be used for teaching demonstrations, showcasing educational content, experimental processes, etc., providing a more intuitive teaching effect and enhancing students' learning experience.
6. performances: can serve as special effects devices, displaying background images, videos, etc., enhancing the visual effects of the stage, enriching the performance content, and improving audience experience.
7. Museums and exhibitions: Used to showcase valuable artifacts, artw orks, historical exhibits, etc., attracting visitors' attention and enhancing the attractiveness and appreciation of exhibits.
8. Conferences and events: As a backdrop for conferences or event display devices, showcasing speakers' information, commendations.

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Applications

3D Digital Human figure/Digital Mirror Holographic Showcase

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Applications

Product and Model Display

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Applications

Product and Model Display

Applications

Interactive Inquiry of Product and Company Profile

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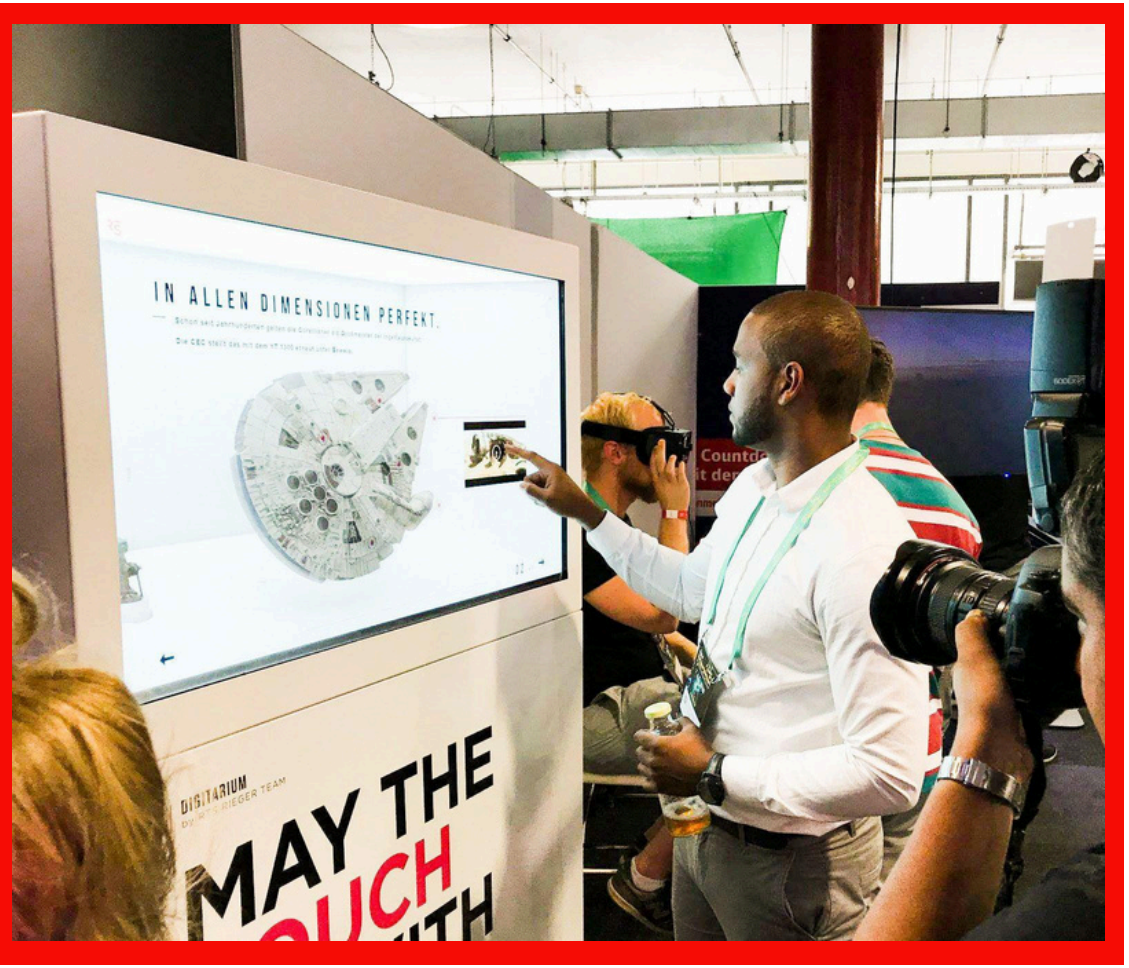

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Introduction of 3D Holographic Showcase/box

86 inches - 3D
holographic Box front side.

Hologram Box shut down state.

Rear side of the holographic Box .

Product Display

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86-inch 3D holographic cabin digital mirroring scene equipment

Wheels

Side handle

Product Display

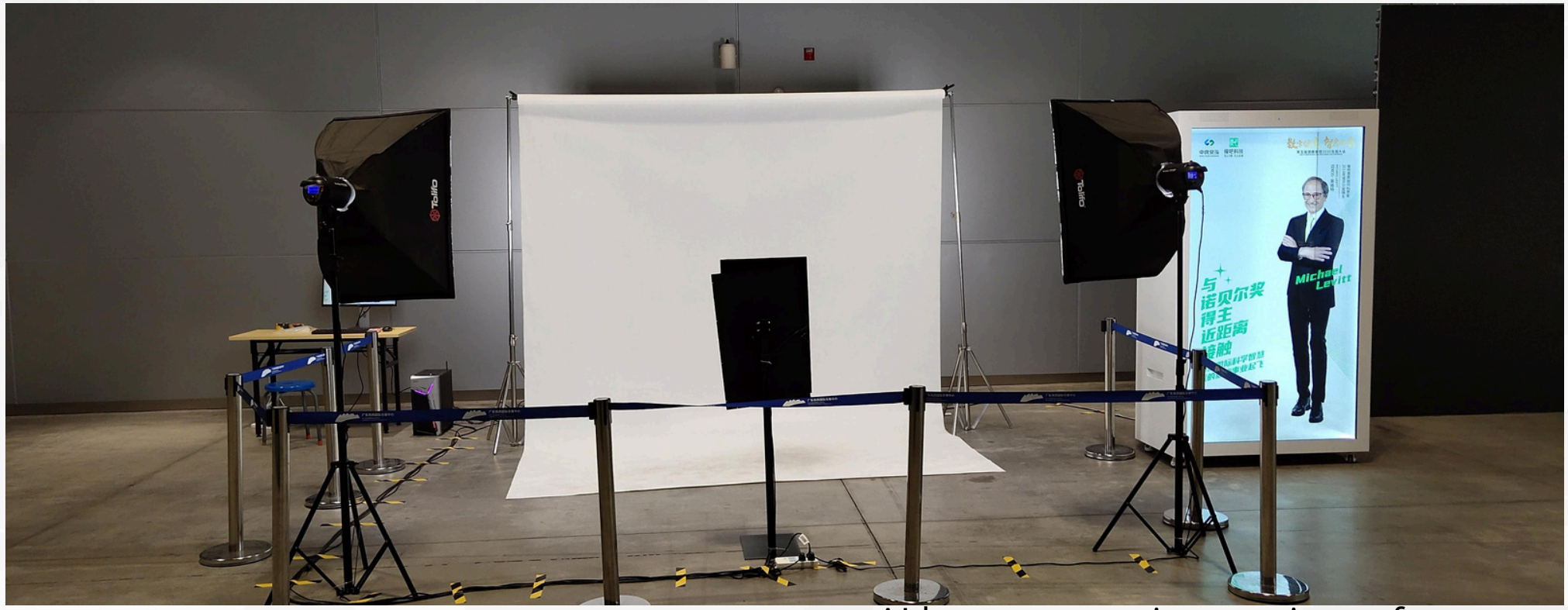
Monitor Interface

Camera and Microphone on top side

Computer version interface

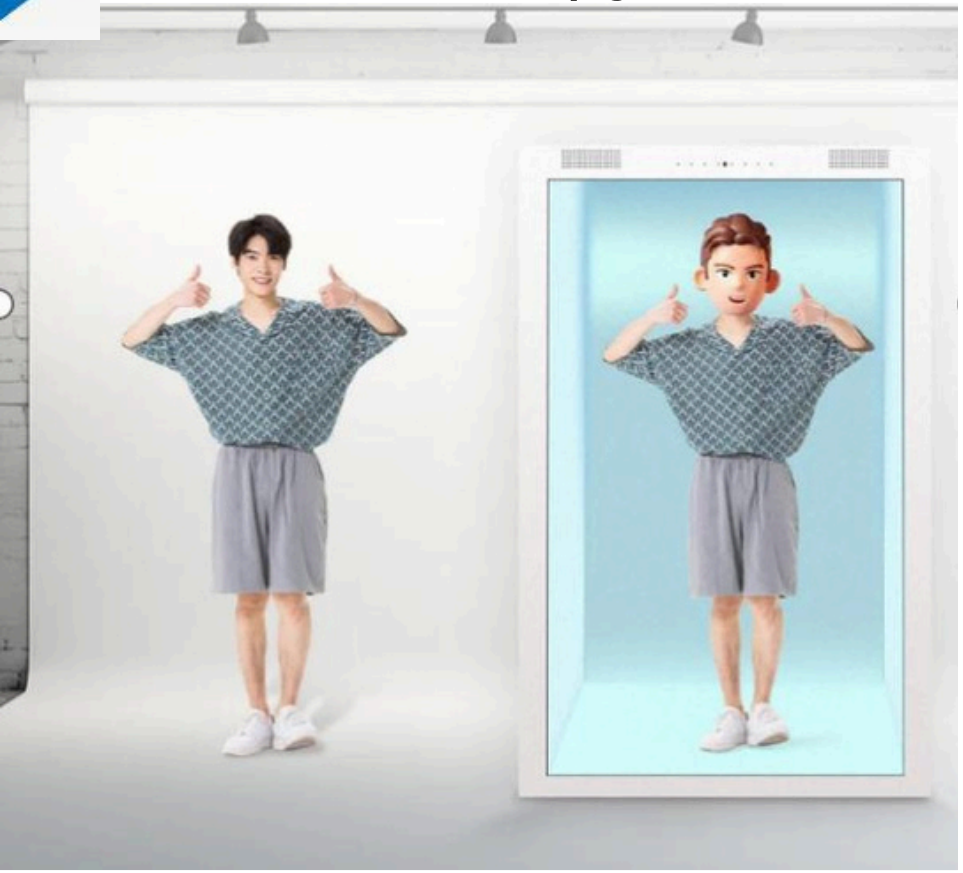
Cable outlet at the rear bottom

AI human copy interactive software



AI human copy interactive software

AI human copy interactive software



HOLO Solution for your business

The purpose of this software is to provide a one-stop material management and playback solution for large transparent screens. It can manage loading, playback, and playback operations for various materials, such as videos (including transparent videos), pictures, 3D models, web pages, etc.

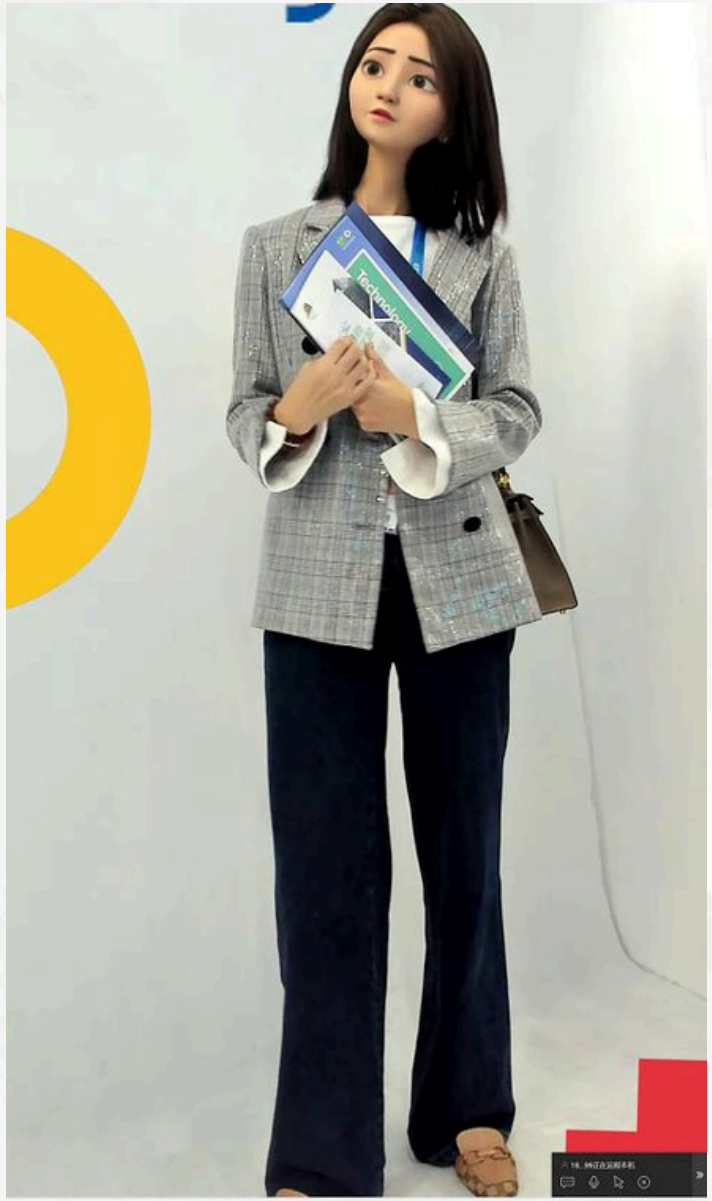
The software also supports access to the camera for real-time image capture and adjustment, and can realize interactive functions such as scene switching and fast playback through the optional audience operation screen.

As a result, the software is able to project the processed composite image onto a transparent screen.

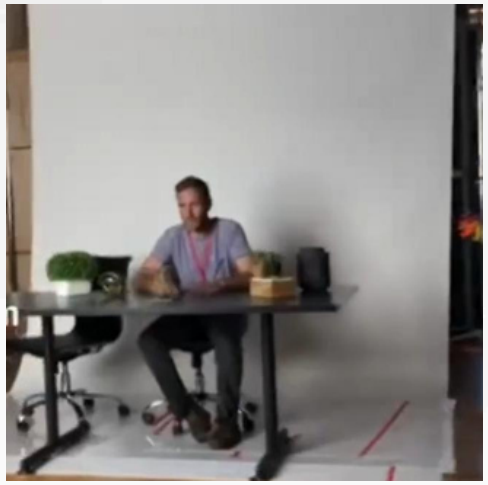
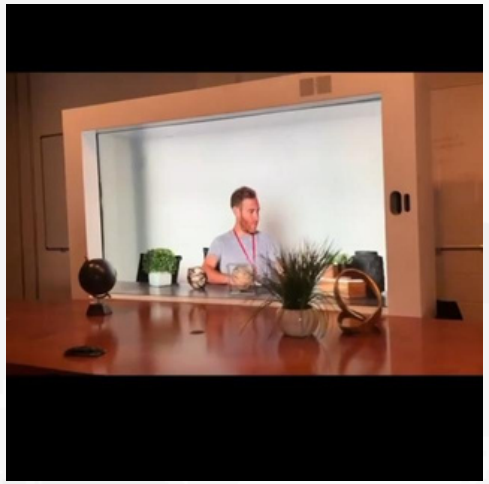
By using this software, transparent screen operators and technical support personnel can easily and quickly manage and play back a wide range of materials. At the same time, as an all-in-one solution, the software simplifies the technical architecture and operation process of the transparent screen to the greatest extent

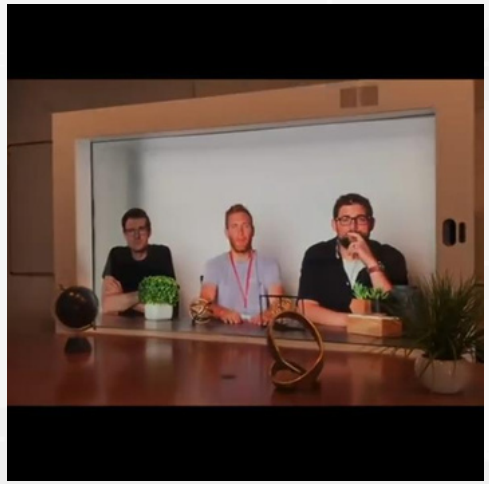
1. Provide material management and playback solutions for transparent screens
2. Support a variety of material types, such as videos, pictures, 3D models, web pages, etc
3. It can be connected to the camera for image acquisition and processing
4. The optional audience operation screen software can realize the scene switching and playback interaction of the audience operation, and access external software to change the face of cartoon special effects
5. Support video remote holographic call function in the future

AI human copy interactive software



Creative Meeting



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AI human copy interactive software case

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AI human copy interactive software case

AI human copy interactive software case

AI human copy interactive software case

Thank You

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