49 Inch Outdoor LCD Display

（Uniform Temperature Cooling System）

Metal Chassis

- **Structure**: Ultra-thin & Ultra-narrow bezel, Water-proof, dust-proof, sun-screen, anti-corrosion, explosion-proof, anti-ultraviolet, anti-theft, anti-biological, anti-mildew, beautiful appearance, support customization.
- **Shell design**: The shell is made of 1.0-1.5mm aluminum plate, which is the first in the industry, sprayed with Aksu outdoor special powder, and has been outdoor anti-corrosion for more than 7 years.
- **Waterproof design**: The shell structure is fully enclosed, and the control box is designed with waterproof groove and waterproof maze to meet the IP66 protection level.
- **Dust-proof design**: The shell structure is fully enclosed design, and dust cannot enter the inside of the machine.
- **High permeability glass**: The protective glass in front of the screen of the whole machine is made of 5mm AG etched tempered glass. Reduces reflections.
- **Maintenance**: The whole machine adopts modular design, which is convenient for installation and maintenance.
- **Anti-theft design**: The base/hanger adopts an internal locking design to prevent the screws from being removed from the outside to move the machine and equipment, so as to truly achieve safety and anti-theft.
- **Mounting bracket**: The whole machine pendant is designed to install fixing holes, which are used to fix on the wall or other objects, which can be customized according to customer requirements, and complete accessories, and can be installed directly after receiving the machine.

DISPLAYS

- Outdoor high-brightness LCD screen, brightness 1000-3000nit, visible under strong light, design life of 50000 hours.
- High definition image quality, screen resolution: 3840X2160.
- High dynamic contrast, clearer picture, viewing angle of 178°.
- The intelligent light sensor system can automatically adjust the screen brightness according to the environment, so that users can watch the program clearly/comfortably at different times and protect their eyes.
- Intelligent color calibration, automatic calibration of contrasting colors or manual fine-tuning, presenting a perfect picture.

INTELLIGENT TEMPERATURE CONTROL SYSTEM

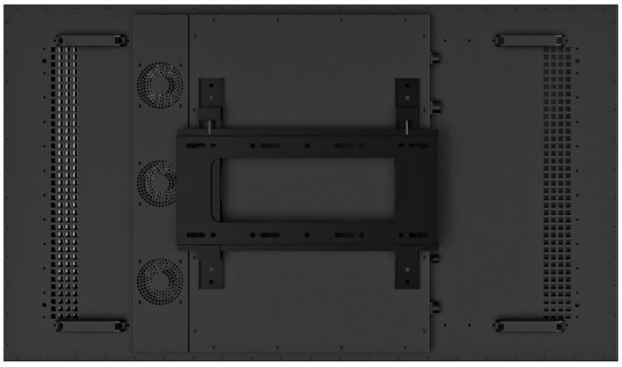
OD10 direct backlight, professional and special uniform temperature heat dissipation design.
Independent research and development of intelligent temperature control system control box, according to the internal temperature of the advertising machine, intelligent adjustment and protection of each component.

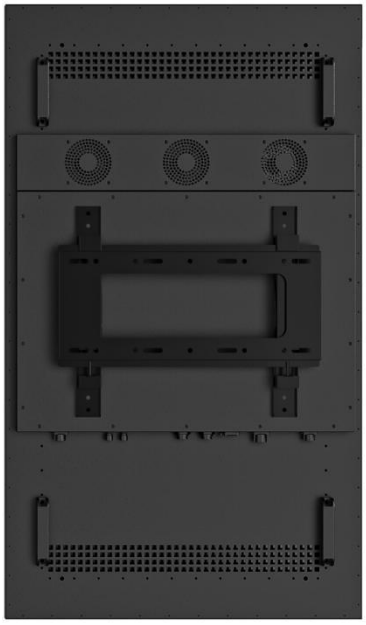
ELECTRONIC STRUCTURE

- The product selects intelligent industrial control motherboards from well-known manufacturers, stand-alone/Android/industrial control computer motherboards can be selected, and the default Android dual-core. Support for remote and local program management (optional).
- Adopt international famous brand waterproof IP67 outdoor power supply, suitable for different countries around the world, safe, stable, long life, high energy efficiency.
- Built-in leakage protector, lightning protection and other configurations, all-round safety protection.
- Configure a precision timer, Chinese and English options, can be repeated for many times, and the machine can be turned on and off at a timed basis by day, week and month.
- Over-temperature protection: When the internal temperature of the whole machine is high, the system will reduce the output power of the power board by 30%, keep the device from black screen, and when the temperature drops, the

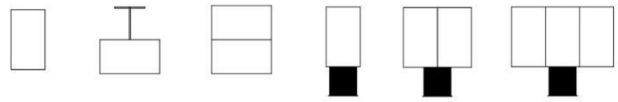
power supply power will output normally. to protect the main components such as LCD screens and motherboards.

PRODUCT DESIGN





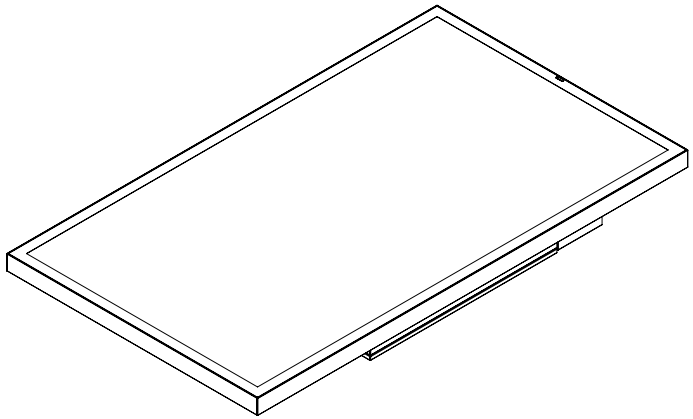
Easy integration for partner's customized design

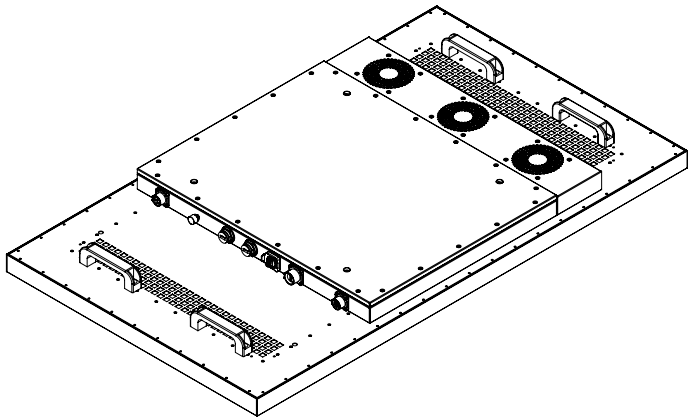


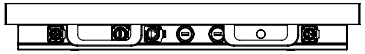
SPECIFICATIONS

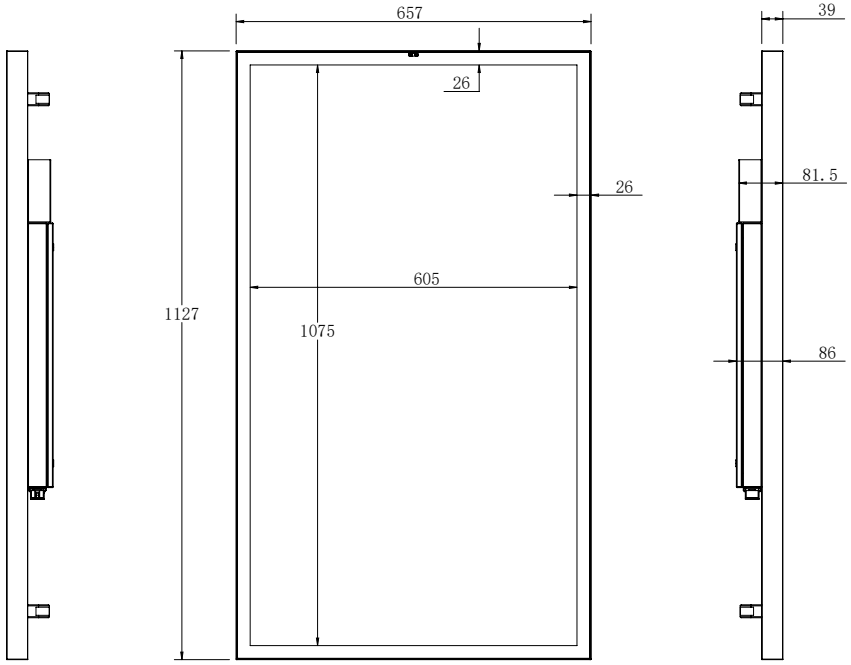
Model Number		OBT490PTK-D-IP66
Mechanical	Metal Chassis	Extrusions front frame, Aluminum material body, Whole surface sprayed with outdoor special powder, protective ability more than 7 years
		Adoption of closed uniform temperature technology
		Meet the IP66 protection level
	Glass	5mm Anti-Glare Tempered Glass(Etching process)
	Product Size (mm)	1127*657*85
	Product Net Weight (KG)	33KG
	Packing Size (mm)	1260*200*790
	Package Weight (KG)	7.5KG
	Total Weight (KG)	40.5KG
LCD Panel	Display Size	49 inch
	Display Area (mm)	1075*605
	Ratio	16:9
	Resolution Ratio	1920*1080
	Brightness	2500cd/m2
	Contrast Ratio	1200:1
	View Angle	178° horizontal / 178° vertical
	Brightness Control	Auto-dimming (Default)
	Backlight	DLED OD10 Backlight Design
Touchscreen (Optional)	Type	Metal Mesh PCAP
	Multi touch	10 Touch Points
Computer	CPU	Rockchip RK3566 Quad-core Cortex-A55 64 bit
	GPU	ARM G52 2EE Support OpenGL ES 1.1/2.0/3.2、OpenCL 2.0，Vulkan 1.1
	Dominant Frequency	1.8 GHz
	Memory (RAM)	2GB (Optional 4GB)
	Storage	EMMC 16GB (Optional 32GB/64GB)
	USB	2 x USB 2.0
	LAN	LAN (RJ45) 10M/100M Adaptive Ethernet *1
	HDMI	HDMI *1
	Wi-Fi	WIFI, BT4.0 *1
	4G Module	Mini PCI-E (Optional)
	Real Time Clock	Support Real Time Clock
	Timer switch	Support Timer Switch
	OS	Linux / Android 11.0
	System Upgrade	Support SD card / Computer update
	Other Optional Functions	GPS
		RS232
		RS485
		Speakers
		Camera
		TFT

Power	Maximum Power Dissipation	≤250W
	Input Voltage	100-240V AC, 50-60 Hz
	MTBF	50K hours
Electrical Control	Waterproof IP67 Power Supply	Industrial-grade Outdoor Power Supply
	Waterproof Speaker	Waterproof High-quality 10W Speaker
	Lightning Protection Device	Level-3 Lightning Protection
	Leakage Protector	with Leakage Prevention
	Timer	Customized switch machine can be setted by daily, weekly and monthly
Heat Radiation	Temperature And Heat Dissipation Technology	The backlight and shell are integrated for heat dissipation to ensure that the heat of the equipment is evenly distributed in every corner of the machine
Environment	Working Temperature	-20°C~+55°C
	Working Humidity	5%~95%
	Working Voltage	AC 110-240V/50Hz
	Low/High Temp. Reliability Test	-30°C/80°C
Option	Camera	Option
	OS	Android/ Linux etc





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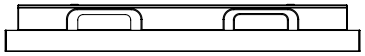

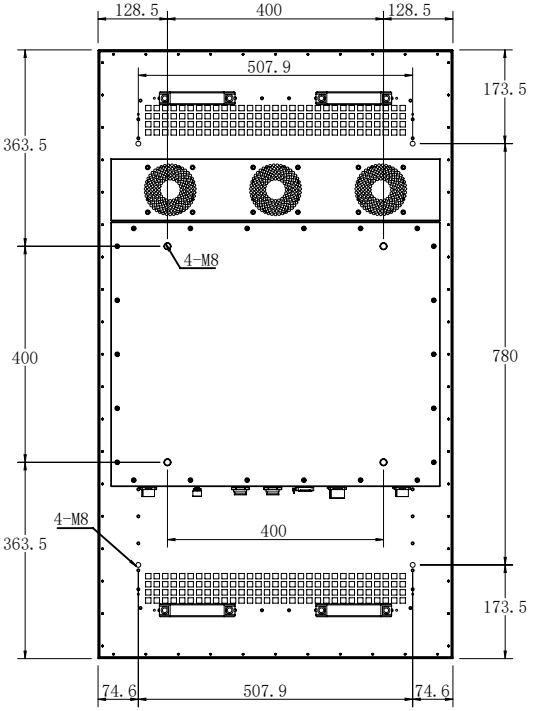
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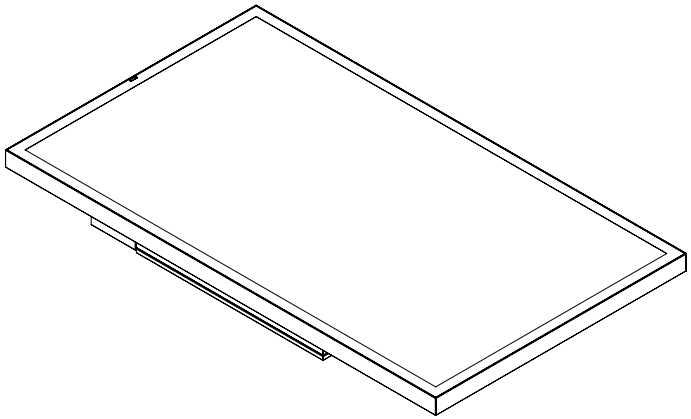

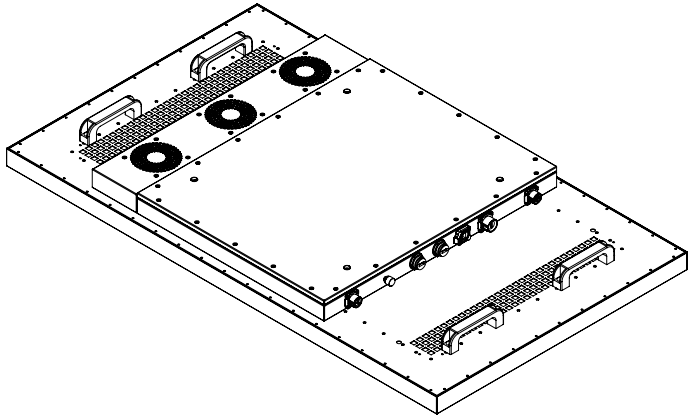

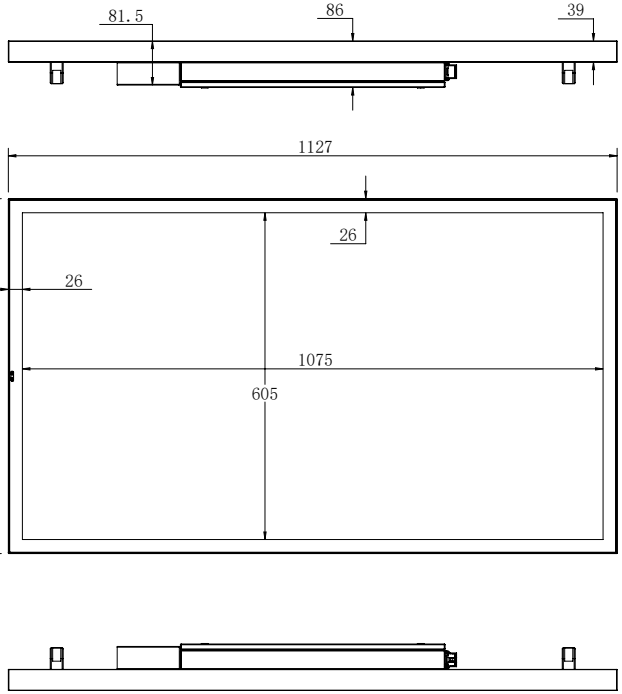
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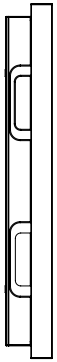

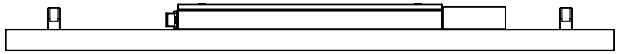

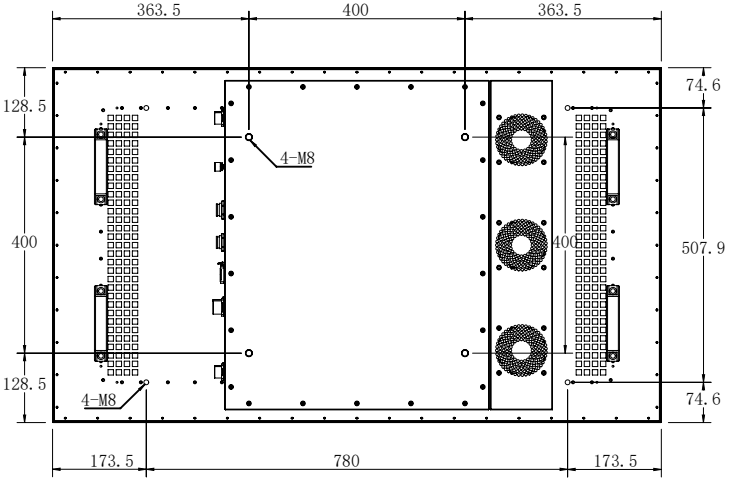
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