



protouch

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Protouch Outdoor
PCAP Touchscreen

Overview

Modifications

The screens can be upgraded in various ways including the addition of network features, a camera, more screen sizes or even touch functionality.

Ultra High Brightness Panel

2500cd/m² makes sure this display will always be seen whatever the weather. Over 8 times brighter than that of a standard domestic television to improve the displays image clarity.

Lockable Wall Mount

The screen comes with a wall mount that allows the screen to be securely placed in either landscape or portrait orientation.



Weather Proof IP65 Rating

An IP65 Rating means the display is able to withstand all weather conditions; wet and dry and also features waterproof over molded AV connectors.

Ambient Light Sensor

The display has a light sensor that changes the screens brightness depending on the ambient light ensuring the most suitable brightness at any time.

10 Point PCAP Touch Technology

Using the most responsive and sensitive commercial touch technology available. Not affected by dust or debris on the screen surface.



Advanced Temperature Control

Designed to run 24/7 in constant use the display has an advanced temperature control system to keep it running at the optimum temperature no matter the environment.

Toughened Glass

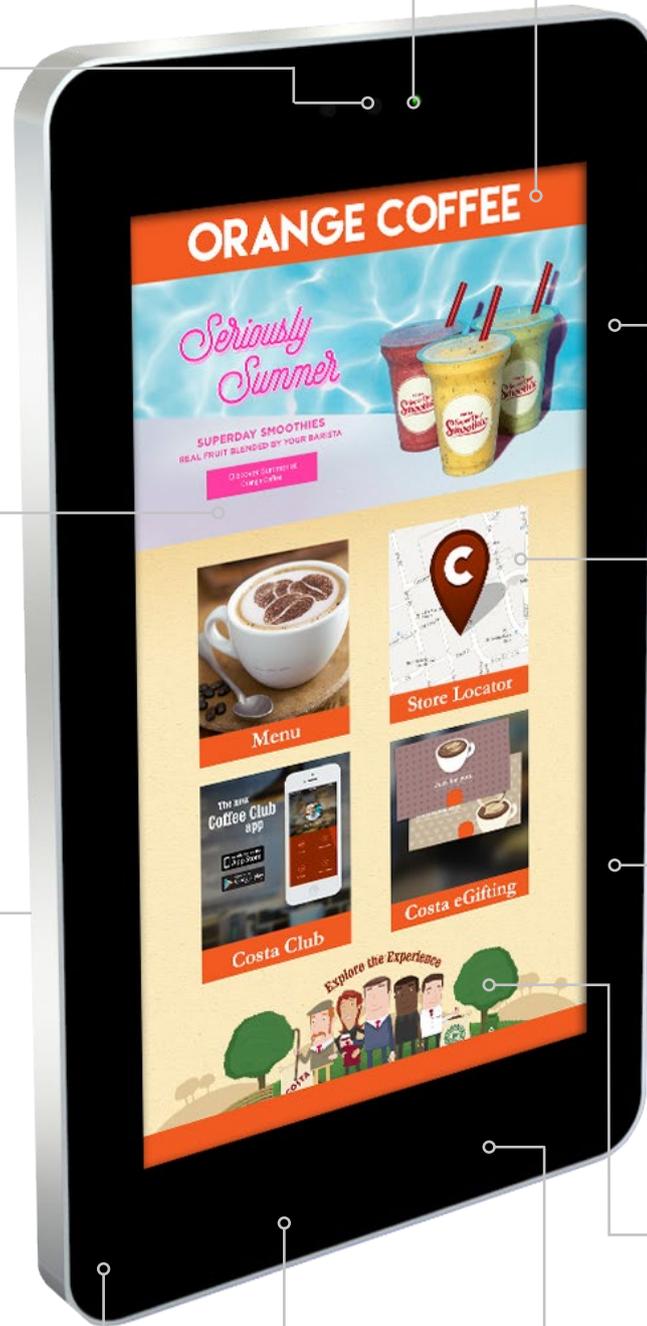
Extra strong glass protects the screens internal components and adds an extra layer of security against vandals.

Sturdy Enclosure

Made from mild steel the enclosure is strong enough to protect the displays components from outside harm such as vandals.

Anti Reflective Glass

Diffuses direct sunlight making the display easily readable in bright weather.

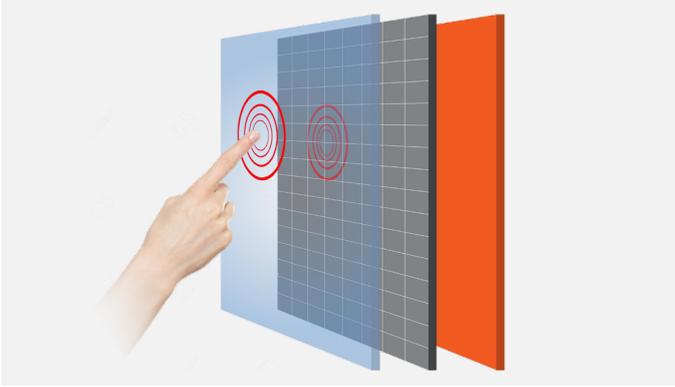


Dust Tight

The screen has the highest intrusion protection rating possible meaning it is virtually impossible for dust to enter the enclosure.

Attach Devices

Run the Touch Screen from a small form factor PC or Media Player that can be placed within a small internal locker or by use the screen's external ports that can be linked to an external device.



PCAP Touch

State of the art Projected Capacitive interactive technology offers the most responsive and sensitive touch experience available. Designed for commercial applications, PCAP touch technology works by fixing a sensor grid between a layer of cover glass and the LCD panel, when a finger touches the glass the grid detects the coordinates of the touch point. Unlike other touch technologies PCAP is not affected by dust or debris on the screen surface, allows for up to 10 touch points and offers superior optical quality.



Sunlight Readable

Brightness is paramount when using outdoor screens, these displays use commercial grade Ultra High Brightness panels (2500 cd/m²); more than 5 times brighter than a standard home TV to allow easy readability in direct sunlight. The display also has an ambient light sensor that will alter the screens brightness based on the displays surrounding light levels. This leaves the screen with the best clarity while also conserving energy.



Outdoor Enclosure

Designed with robust, corrosion protected, casing to protect against the elements and the public. With an IP65 rating, it keeps out all airborne particles as well as being protected from any wet weather conditions and also feature waterproof over molded AV connectors. The enclosures are made from mild steel and have thermally toughened glass.



Temperature Control

The internal air-conditioning system allows the screens to be in constant use in an outdoor environment. Internal fans keep the panel and other internal components at the optimum working temperature; ensuring a long and reliable life for your display.

Features

24/7 Usage



Built with commercial grade panel and components these displays are designed to run 24/7 in constant use; unlike domestic screens. The panel also has a lifespan of over 50,000 hours of continuous use.

10 Point Touch



Having up to 10 touch points allows for a wider variety of applications than ever before. This kind of functionality allows you to manipulate images, zoom in and out as well as perform many other touch gestures; much like you would with a domestic tablet. It also allows for multiple users interacting with the screen at one time.

Attach External Devices



You can attach external devices to run the Touch Screen by placing a small form factor PC or Media Player within the small internal locker. Then simply connect the device to the screen, via the VGA or HDMI ports (for the video signal) and USB (for the touch functionality). The Touch Screen will then serve as your computer monitor and the touch functionality controls the cursor, essentially acting as your mouse. An external device can also be used by taking advantage of the screen's external ports.

Easy Installation & Maintenance



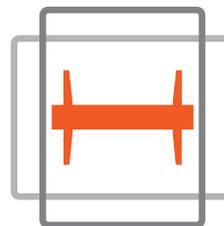
These units are designed with installation and maintenance in mind. As well as having a cabling channel built into the base of the unit there are also special fitting holes to allow you to permanently fix your screen in position. There is also internal space within the unit to hide any additional hardware, such as a PC, with easy access in the form of a front panel door.

Modifications Available



Whether your project calls for a touch screen, a double-sided display or even a bespoke screen size, we can meet your needs.

Complimentary Wall Mount



The display can be mounted in either landscape or portrait orientation, depending on the application. We also include a free wall mounting bracket that allows you to install your display in either landscape or portrait orientation and lock it in place.

Anti Reflective Glass



The glass frontage is also anti-reflective to help defuse direct sunlight shining on the display.

Outdoor PCAP Wall-Mounted Multi Touch Screen Range							
Panel	Display Size	22 Inch	32 Inch	43 Inch	49 Inch	55 inch	65 inch
	Resolution	1080x1920					
	Pixel Pitch	0.2537x 0.2537	0.36375x0.36375	0.1615x0.4845	0.565 x 0.565	0.21x0.63	0.744 x 0.744
	Display Area (mm)	270x477	396x702	526x934	603x1073	684x1215	803.5x1428.5
	Aspect Ratio	16:9					
	Brightness (cd/m ²)	2000	2500				
	Colour	1.06 Billon		16.7 M	1.06 Billon	1.073 G	1.06 B
	Viewing Angle	178°					
	Contrast Ratio	8000:1					
	Touch	Touch Technology	Projected Capacitive				
Touch Points		10					
Glass Hardness		7H minimum					
AV Inputs	Video	HDMI, VGA					
Power	Power Consumption (W)	130	190	250	300	430	550
	Input Voltage	AC110~240V (50Hz~60Hz)					
Mechanical	Unit Size (WxHxD mm)	397x737x120	516x1041x130	670x1410x140	746x1500x140	817x1637x145	990x1910x140
	VESA Holes (mm)	350x250	400x300	400x400 400x800	500x400 500x800	600x400 600x800	800x400 1000x400
	Net Weight (kg)	20.05	36.2	58.75	74	76.5	95
	Gross Weight (kg)	23.5	45	70.15	95	94.9	120
Environmental	Operating Temperature:	-20 °C to 50 °C					
	Operating Humidity:	10% - 80%					
	Storage Temperature:	-30°C - 60°C					
	Storage Humidity:	5% - 90%					
	Enclosure Protection	IP65					
Accessories	Included	AC Power Cable, Remote Control					
	Optional	Network Upgrade, Camera					