

## Overview



### Interactive Flat Panels – TDD-IFP-IR



**TDD-IFP Interactive Panels** integrate LED screen (instead of projector), built-in PC, TV function and infrared interactive solution into one system. It adopts the infrared technology with same PCB structure and interactive function as **TDD-IFP-IR** series. Modular design is convenient for maintenance and technology update. The **TDD-IP Interactive Panels** series offers low power consumption, a slim external housing, and recognition of up to 10 simultaneous touches with infrared or PCAP (projected capacitive) touch technology. Various sizes are available ranging from 55", 65", 75", 86" to 98".

**TDD-IFP Interactive Panels** Series is an integrated solution, which is designed to improve multimedia teaching and learning, enable you to realize interactive teaching, integrate the features of writing, annotation, capturing and displaying image of objects, text recognition, external VGA, playing audio and video into Interactive Multimedia System in one, greatly improved the problems as follows within the solution of multi devices: scatter of multimedia equipments, disarray of wires and cables, complex operation, the compatibility among different components.

Whether it's in a classroom, meeting room, conference centre, public area or commercial space, **TDD-IP Interactive Panels** series can improve the way you communicate. We provide the tools that allow people and businesses to share their messages in vibrant and exciting ways. Explore our product categories to learn more about our technology and see how we can change the way you integrate digital content to share, edit, and collaborate.

## Features

### General:

Light up the room and students' imaginations with TDD-IP interactive panels that offers a crystal-clear, high-definition display in virtually any classroom, from almost any angle.

Interact smoothly, easily and naturally with whole-class or small-group lesson content.

Create dynamic lessons with our software, use any program that runs on your PC, or plug into content from a wide variety of source devices for a rich and varied learning experience.

Choose from 55", 65" 70" and 84" classroom-tough touch panels.

Motivate people with a variety of digital content. Integrate pictures, renderings, videos, and other multimedia into your lessons and presentations. Make notes, annotate, draw, rotate and scale digital content simply by touch. Illustrate complex ideas for students, clients, partners, or co workers. Tackle problems together and make sure that the concepts you are explaining are well understood.

Save, and then share lessons and notes digitally. Make the most of your video conference sessions. Don't just talk about projects, work on them together.

Multi-touch Collaboration, Made for learning, Intuitive at every touch

### **Multi-screen Interaction:**

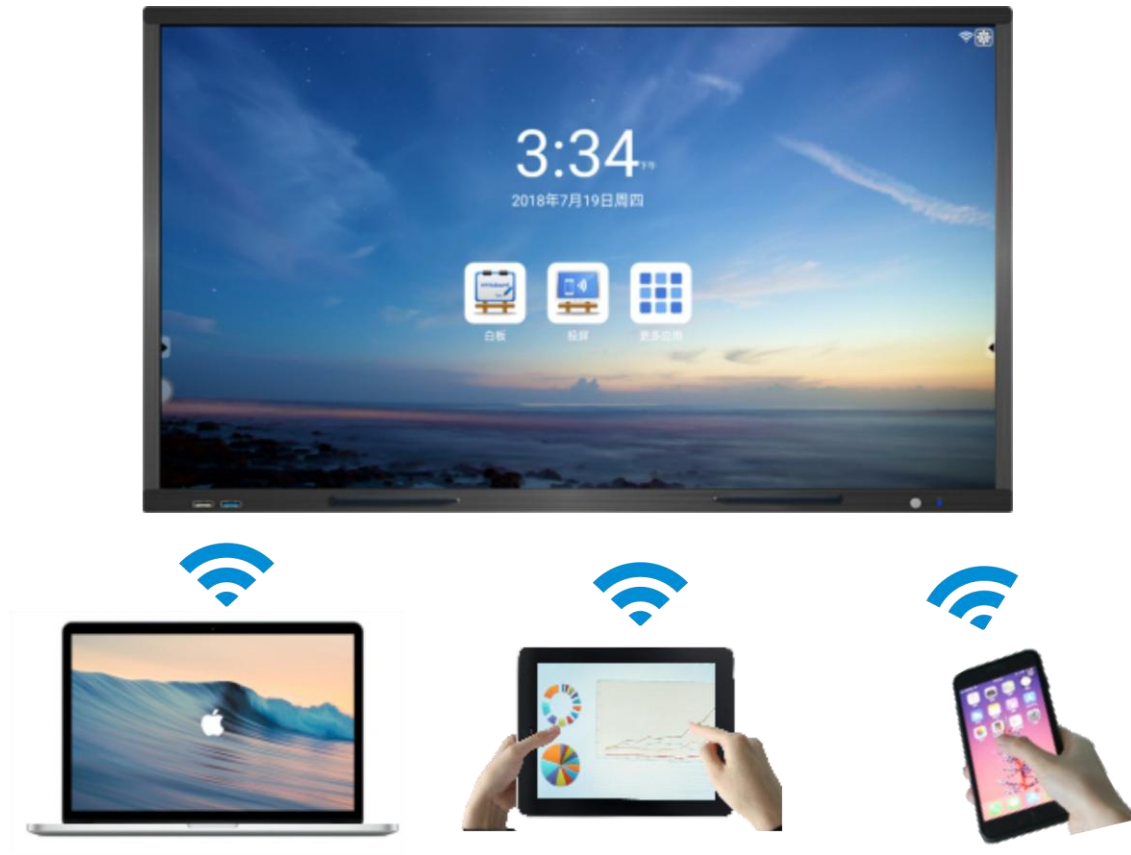
One-click transscreen, two-way interaction

MINDHUB can connect your PC to the touch panel with one touch of the screen, and you can control your PC through interactive touch panel, bringing you a new demonstration experience.



### **Multi-screen Display, Easy to Switch:**

Mobile phones and tablets can be easy to connect touch panel for sharing moments



### **Remote Collaboration across Space:**

Compatible with many kind of remote video conferencing software such as cloud business conferences, with ultra-clear cameras and multi-function microphones to achieve real-time stable remote video conferencing, making off-site office communication more efficient and convenient.



### **Smart Writing, Smooth and Free**

Super Infrared Touch, and up to 20 points of infrared touch recognition technology with smart writing experience.

### **Ultra-fast Response Speed**

There is almost no delay in the speed of the touch response, allowing the fire of thought to bloom freely.

### **Convenient Gesture Operation**

Keeping traditional gestures to erase, zooming freely, and increasing the number of writing pages make unlimited space of creativity.



### **Conclusion:**

Share and save meeting record in a variety of ways, such as scan QR code, email and so on And Easily track meeting conclusion, making management more effective.

### **Super Clear Display:**

Full 4K resolution

The touch panel supports 4K display, which makes high definition stable performance, perfect appearance



### **Anti-glare**

With chemical anti-glare technology, it can effectively resist glare in a bright office environment.

### **Safety and reliable**

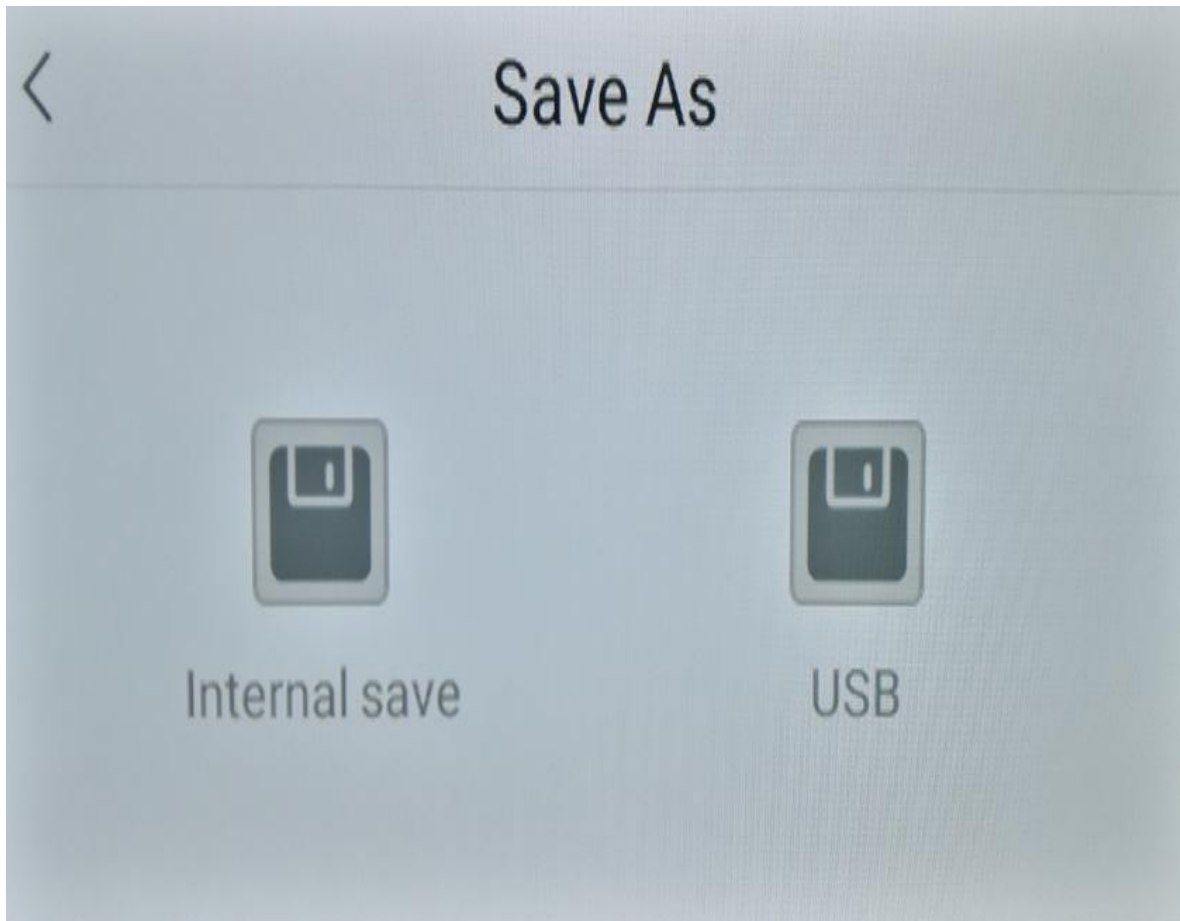
It adopts physical tempering technology and with Mons' hardness scale of 7 protective glass, wear-resistant and crash-resistant, making your office safe and reliable.





## Record

Save the meeting record in the local storage space or USB flash drive.



### **Free and Easy Smart Writing**

**Ultra-strong infrared touch up to 20 points of infrared touch**

**Recognition technology enhances the smart writing experience.**



**Safe and Reliable**


It uses physical tempering technology. The protective glass reaches Mohs 7 hardness. Wear-resistant and crash-resistant, making the office safe and reliable.

**Multi-window Switching:**

Switch freely, and sharing more ideas


**Mail Delivery:**

Send the results of the meeting to the relevant mail recipient by email.




Email config


From




Nickname



Authorization code



To 



Subject

2018\_08\_15Meeting Record

Content

2018\_08\_15Meeting Record

MAIL SEND

What is an authorization code ?

### Touch Pen

The infrared touch pen adds magnetic attraction for easy attachment to the touch panel body.



### **Energy Saving:**

Tap the power button, and turn off the display to save energy.

Tap the power button or screen again, and open the display immediately.

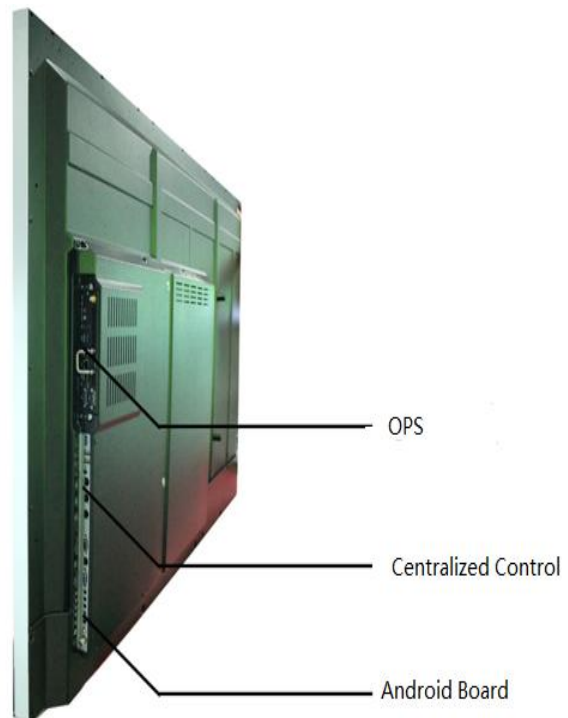
### **Module Design:**

PC modular design, reserved standard ops interface. And upgrade to windows system.

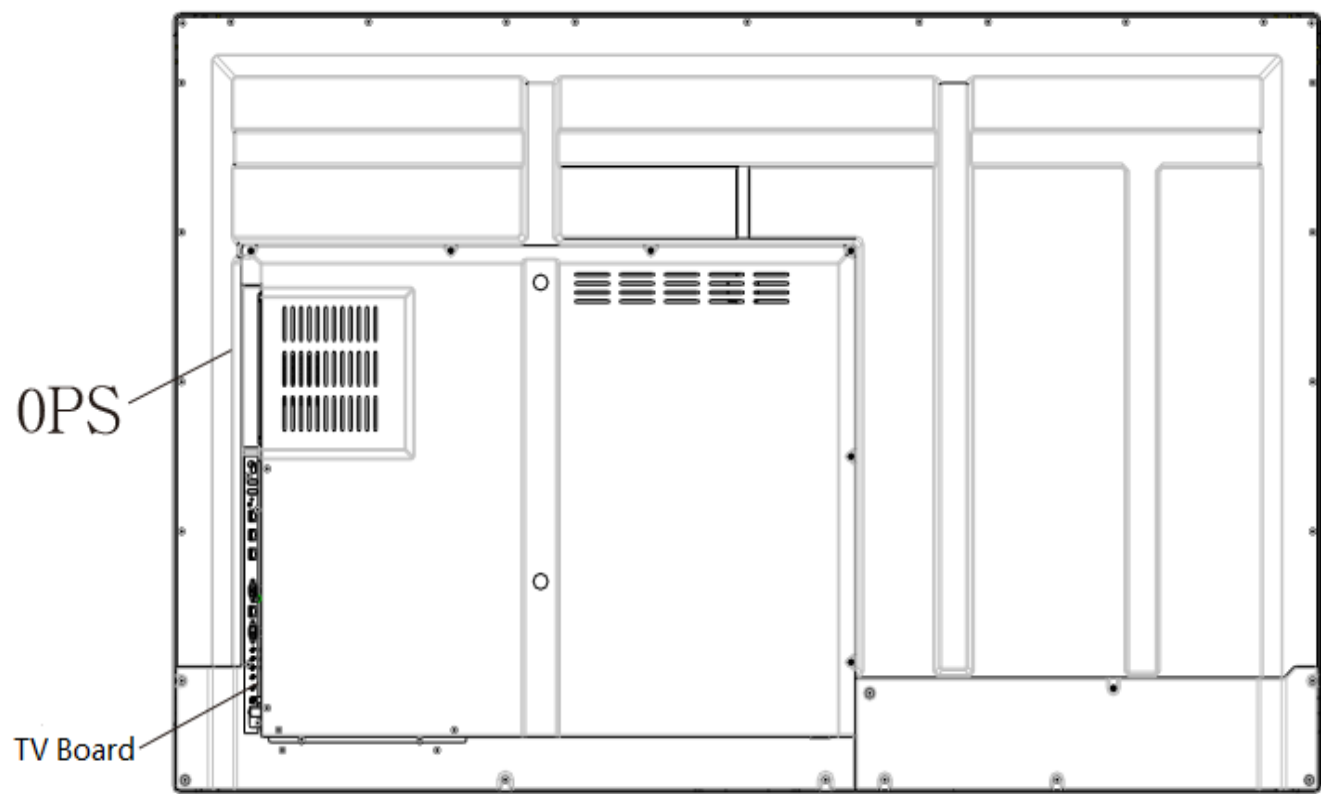





## OPS & Android



Elegant Structure



## Specifications

Model		TDD-IFP-IR55A	TDD-IFP-IR65A	TDD-IFP-IR75A	TDD-IFP-IR86A	TDD-IFP-IR98A
Image						
Display Parameter	Diagonal Size	55inch	65inch	75inch	86inch	97.52inch
	Effective Display Area	1213(H) x 683.8(V)	1440.3(H) x 817.9(V)	1665.66(H) x 944.73(V)	1913mm(H) x 1084mm (V)	2158.848mm(H) x 1214.352mm (V)
	Display Ratio	16:9	16:9	16:9	16:9	16:9
	Brightness	350cd/m²	350cd/m²	350cd/m²	390cd/m²	500cd/m²
	Contrast Ratio	1400:1	1200:1	1400:1	1400:1	1300:1
	Backlight Type	DLED	DLED	DLED	DLED	DLED
	Viewing Angle	178°(V)/178°(H)	178°(V)/178°(H)	178°(V)/178°(H)	178°(V)/178°(H)	178°(V)/178°(H)
	Resolution	3840 (H) X 2160(V)	3840 (H) X 2160(V)	3840 (H) X 2160(V)	3840 (H) X 2160(V)	3840 (H) X 2160(V)
	Audio Output Power	2X15W	2X15W	2X15W	2X15W	2X15W
Back Port	Input	USB 2.0	3	3	3	3
		RJ45	1	1	1	1
		HDMI 2.0	3+1 (OPS)	3+1 (OPS)	3+1 (OPS)	3+1 (OPS)
		DP 1.2a	1	1	1	1
		VGA	1	1	1	1
		VGA Audio	1	1	1	1
		LINE in	1	1	1	1
		RS232	1	1	1	1
		USB TOUCH	2	2	2	2
		Earphone	1	1	1	1



Android Specs	Android Frequency	Cortex A53*4 1.5GHz	Cortex A53*4 1.5GHz	Cortex A53*4 1.5GHz	Cortex A53*4 1.5GHz	Cortex A53*4 1.5GHz
	System Version	Android 6.0	Android 6.0	Android 6.0	Android 6.0	Android 6.0
	Memory	2G (1G build in+0.5G*2)Bytes DDR3 2133MHZ	2G (1G build in+0.5G*2)Bytes DDR3 2133MHZ	2G (1G build in+0.5G*2)Bytes DDR3 2133MHZ	2G (1G build in+0.5G*2)Bytes DDR3 2133MHZ	2G (1G build in+0.5G*2)Bytes DDR3 2133MHZ
	FLASH	32GBytes EMMC5.1 nand flash	32GBytes EMMC5.1 nand flash	32GBytes EMMC5.1 nand flash	32GBytes EMMC5.1 nand flash	32GBytes EMMC5.1 nand flash
	2.4GWIFI	Wifi*1	Wifi*1	Wifi*1	Wifi*1	Wifi*1
	5GWIFI	Wifi*2+Bluetooth*1	Wifi*2+Bluetooth*1	Wifi*2+Bluetooth*1	Wifi*2+Bluetooth*1	Wifi*2+Bluetooth*1
Front port	USB2.0 (Android & Windows)	1	1	1	1	1
	USB3.0 (PC)	1	1	1	1	1
	Front button	Power Button	Power Button	Power Button	Power Button	Power Button
PC	PC Option	TDD110 Mainboard	TDD110 Mainboard	TDD110 Mainboard	TDD110 Mainboard	H110 Mainboard
Others	Power consumption	≤250W	≤250W	≤360W	≤420W	≤420W
	Standby consumption	≤0.5W	≤0.5W	≤0.5W	≤0.5W	≤0.5W
	Lifetime	50000 hours	50000 hours	50000 hours	50000 hours	50000 hours
	power supply	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
	Demission(without wall amount)	1305*789*104mm	1524*913*104mm	1765*1033*111mm	1990x1177x121mm	2263x1351x117mm
	Net Weight	40Kg	49Kg	61kg	80kg	140kg
	Gross Weight	51Kg	60Kg	76kg	94kg	165kg
	package size	1425*970*210mm	1652*1095*230mm	1871*1180*225mm	2172*1355*243mm	2550*1700*300mm
Touch screen	Touch technology	Multiple Infrared scanning technology	Multiple Infrared scanning technology	Multiple Infrared scanning technology	Multiple Infrared scanning technology	Multiple Infrared scanning technology
	Touch type	10 point touch	10 point touch	10 point touch	10 point touch	10 point touch

	Drive Mode	HID Free drive	HID Free drive	HID Free drive	HID Free drive	HID Free drive
	Writing surface material	3MM physical tempered glass	3MM physical tempered glass	3MM physical tempered glass	3MM physical tempered glass	4MM physical tempered glass
	Touch Screen Sensor Mode	Finger, writing pen, hand with gloves or other non transparent touch sensitive medium	Finger, writing pen, hand with gloves or other non transparent touch sensitive medium	Finger, writing pen, hand with gloves or other non transparent touch sensitive medium	Finger, writing pen, hand with gloves or other non transparent touch sensitive medium	Finger, writing pen, hand with gloves or other non transparent touch sensitive medium
	Resolution of touch screen	4096X4096	4096X4096	4096X4096	4096X4096	4096X4096
	Communication Port	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
	Sampling Rate	≥120Hz	≥120Hz	≥120Hz	≥120Hz	≥120Hz
	Response Speed	Click:8ms, Continue:3ms	Click:8ms, Continue:3ms	Click:8ms, Continue:3ms	Click:8ms, Continue:3ms	Click:8ms, Continue:3ms
	Cursor Speed	Up to 300 Point/sec	Up to 300 Point/sec	Up to 300 Point/sec	Up to 300 Point/sec	Up to 300 Point/sec
	Coordinate Output	32768(W)×32768(D)	32768(W)×32768(D)	32768(W)×32768(D)	32768(W)×32768(D)	32768(W)×32768(D)
	Positioning Accuracy	≤±2mm	≤±2mm	≤±2mm	≤±2mm	≤±2mm
	Anti-Interference	Incandescent lamp (220V, 100W), vertical distance 350mm above, The illumination intensity of the sun is up to 90000Lux	Incandescent lamp (220V, 100W), vertical distance 350mm above, The illumination intensity of the sun is up to 90000Lux	Incandescent lamp (220V, 100W), vertical distance 350mm above, The illumination intensity of the sun is up to 90000Lux	Incandescent lamp (220V, 100W), vertical distance 350mm above, The illumination intensity of the sun is up to 90000Lux	Incandescent lamp (220V, 100W), vertical distance 350mm above, The illumination intensity of the sun is up to 90000Lux
	Calibration	Calibration free (support for WIN7 comes with the standard procedures and manufacturers supporting more accurate procedures)	Calibration free (support for WIN7 comes with the standard procedures and manufacturers supporting more accurate procedures)	Calibration free (support for WIN7 comes with the standard procedures and manufacturers supporting more accurate procedures)	Calibration free (support for WIN7 comes with the standard procedures and manufacturers supporting more accurate procedures)	Calibration free (support for WIN7 comes with the standard procedures and manufacturers supporting more accurate procedures)
	Touch Time	More than 60 million times in the same position	More than 60 million times in the same position	More than 60 million times in the same position	More than 60 million times in the same position	More than 60 million times in the same position
	Touch Power supply Mode	USB 5.0V power supply	USB 5.0V power supply	USB 5.0V power supply	USB 5.0V power supply	USB 5.0V power supply
Accessories	Wall-Mount	1 pc	1 pc	1 pc	1 pc	1 pc
	Pen	2 pcs	2 pcs	2 pcs	2 pcs	2 pcs

	Manual	1 pc	1 pc	1 pc	1 pc	1 pc
	Warranty card	1 pc	1 pc	1 pc	1 pc	1 pc
	power cable	1 pc	1 pc	1 pc	1 pc	1 pc
	Remote control	1 pc	1 pc	1 pc	1 pc	1 pc

#### OS & Software:

Window XP / WIN 7 / Win10 / Android available, all hardware drivers available.

#### Dimensions:

Height: Subject to Change

Width: Subject to Change

Depth: Subject to Change

#### Packing:

Bubble-wrap, Carton, Wood (Plywood) Crate

### Applications

**Interactive Flat Panels**, Interactive Touch Panels, Interactive PCAP Touch Panels, Interactive IR Touch Panels, Interactive Panels, Interactive Displays, Interactive Touchscreen Systems, Interactive LED Displays, All-in-one Touchscreen Systems, Interactive Projectors, Multi-touch, Optical Touch Technology, Infrared Touch Overlay, Infrared Touch Technology, Multi-touch Gestures, Interactive Touchscreens, Touch Screens, Interactive Tables, Interactive Pen Displays, Smart Boards, Conferencing Software, Interactive Learning Software, Classroom Software, Interactive LED Displays, Smart Displays, Touchscreen Monitors, Touch Overlays, Touch Frames

### Download

\* TDD ([www.tddtouch.com](http://www.tddtouch.com), [sales@tddtouch.com](mailto:sales@tddtouch.com)) reserves the right to change specifications without prior notice.