SINOTECTRONICS
Touch the World

Sinotectronics,

Professional Touch Solution Provider
Interactive Products Developer

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About Sinotectronics

- Professional Touch Solution Provider and Interactive Products Developer
- Based in Suzhou, Jiangsu Province, China
- New Technology Development Center in SIP
- Capacitive Touch IC Application Developer
- Products Exported to more than 40 Countries

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SNT Business Scope

BU: BTP (Big Touch Platform)

- Micro Copper Wire Touch Foil
- Ag Nano Wire Sensor/TP
- ITO Touch Panel
- Metal Mesh Touch Panel
- Infrared Touch Frame/Panel
- TP+LCM (Full Lamination)

BU: IPD (Interactive Product Development)

- Touch Monitor
- Touch AIO
- Touch Table
- Touch Mirror
- Touch Kiosk
- Meeting Products
- Interactive White Board
- Projection White Board (Capactive)

Factory Locations:

Suzhou, Jiangsu Province:

- BTP/IPD Products Marketing Center
- Touch Foil Manufacturing Center
- Touch Panel Manufacturing Center
- TP/LCM Lamination Line
- IR Touch Panel Assembling Line
- 10.1”~55” AIO Assembling Line

Yancheng, Jiangsu Province:

- 65” above AIO Assembling Line
- **MARKHUB** Manufacturing Center

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Our Vision: To build the Biggest Touch Platform with All Touch Solutions

Product Range

Touch Foil (MCW)

Touch Film (Ag Nano Wire)

Touch Panel (ITO)

Touch Panel (Metal Mesh)

TP+LCM (Full Lamination)

Infrared Touch Frame Panel

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Touch Foil (MCW)

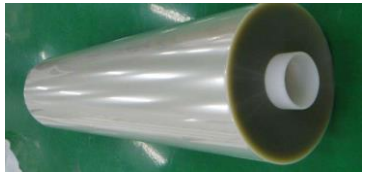
Raw Materials:

- Micro Copper Wire (10~15microns)
- PET Films with Adhesive(PU polyurethane)

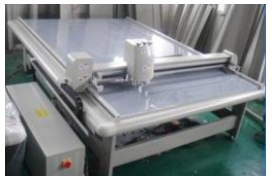
Production Workmanship:

- Pattern Designing
- Wire Plotting
- Laser Wire Bonding

Touch Foil Production Procedures:



PET Film →



Wire Plotting →

Foil/FPC Lamination →

Foil Cutting →

FPC Laser Bonding →

Glass Film Lamination

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Touch Foil (MCW)

Features:

- Easy DIY Lamination
- Light in Transportation
- Touch Media Material flexible (any non-conductive materials)
- MultI-IC Supporting
- Outdoor application with longer lifetime
- Size Availble: 10.1inch~150inch

Applications:

Digital Signage

Kiosk

Touch Tables/Mirrors

Interactive Smart Board

Interactive Windows

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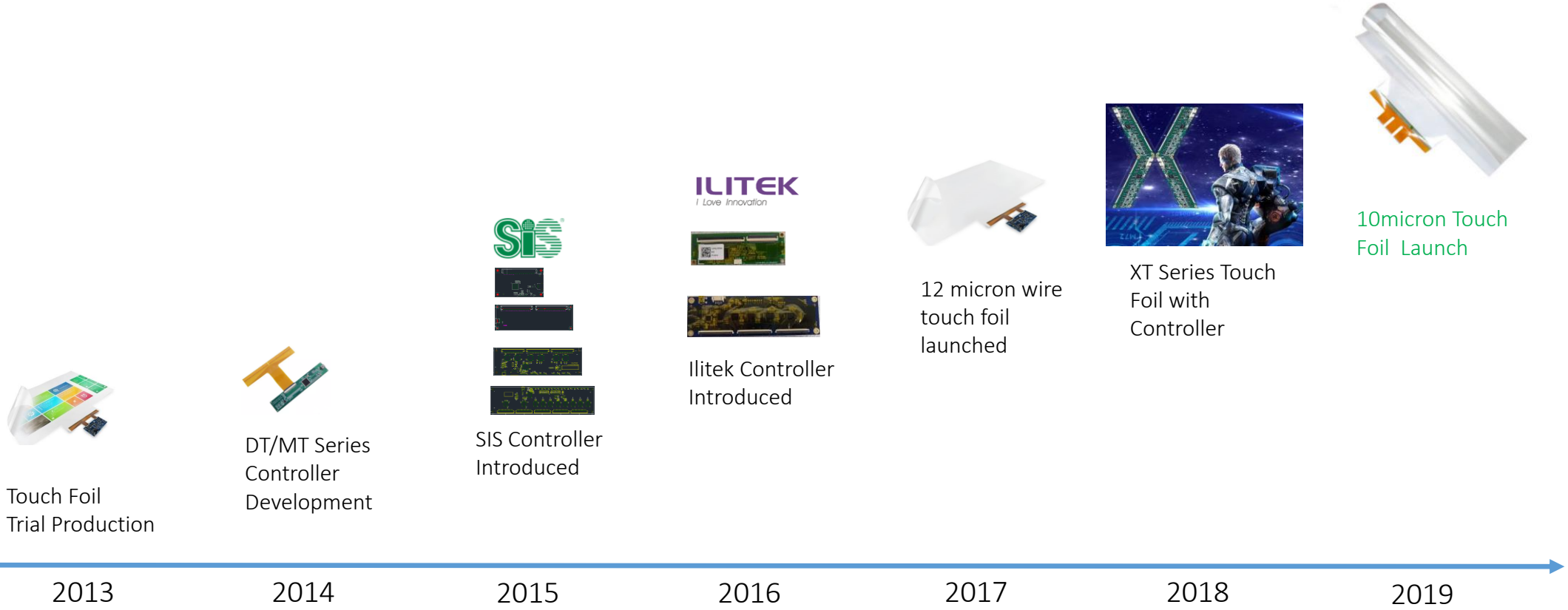
Touch Foil (MCW)

Micro Copper Wire Product Roadmap



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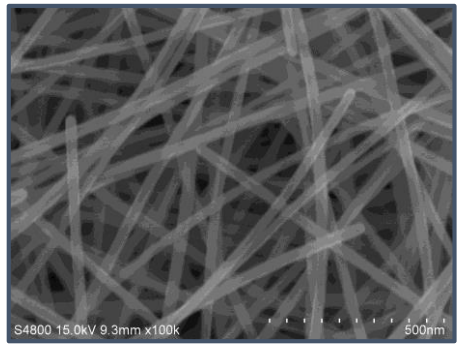
Touch Film (Ag Nano Wire FOG)



Ag Nano Wire under microscope
Flexible bending of Nano Silver FOG

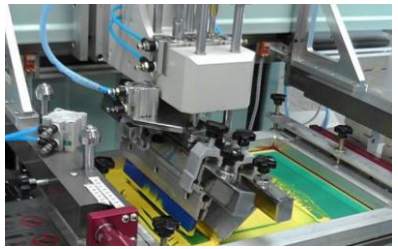
Nano Silver Touch Film (FOG Sensor):

- Ag Nano Wire(25~150nm)
- PET Films with Adhesive(PU polyurethane)
- Size Availble: 2”~86”

Production Workmanship:

- Nano Silver ink Synthesis
- Etching process
- Nano Silver Liquid Silk-screening Tracing

FOG Production Procedures:



Ink Synthesis → Coating → Yellow photolithography / Acid Etching → Water Cleaning Line → Silk-painting Tracing

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Touch Panel

Cover Lens Customization:

- Silk-painting Customization
- AR/AG/Mirror Glass
- 6~8mm Cover Glass

Structure and Features:

- GFF/GG
- Sensor Type: ITO/Nano Silver/Metal Mesh
- IC Selection: EETI/ILITEK/SIS/SIW/GOODIX/MSTAR
- Stronger Noise-Proof Level

Size/Controller IC	ITO	Nano Silver	Metal Mesh	Remarks
10.1”~12.1”	SIW	SIS		
15.6”	SIW	ILITEK2510		
17”/19”	SIW	ILITEK2510/EETI		
21.5”	ilitek2510	ILITEK2510/EETI	EETI	Support Active Pen
27”/32”	Ilitek 2312/EETI	ILITEK2312	EETI	
43”	EETI	ILITEK2312	EETI	
55”	EETI	EETI	EETI	With active pen
65”		EETI	EETI	With active pen
75”			SIS	With active pen
86”		EETI/SIS5+2/ILITEK4+1		
Other Sizes				

SNT Touch Panel Application

Self-Servicing Kiosks, Industrial Display

Commercial Displays, Way finding, Standing Kiosks

Meeting and Educational Equipment

Entertainment Gaming Machine, Touch Table

Comparison of different Touch Technologies

Touch Technologies	Micro Copper Wire	ITO Film	Nano Silver	Metal Mesh
Size Available	17" to 150"	5" to 55"	2" to 86"	15.6" to 75"
NRE Cost	Lower	High	Medium	High
Material Cost	Lower	High	Low	Higher
Surface Resistance	5Ω	150Ω	30-80Ω	30-50Ω
Advantage	Easy DIY Lamination	Small Size Cost Lower	Higher Light Transmission	
Touch Points	10~40	10	10~40	10~40
Glass Penetration	10mm	8mm	10mm	6mm
Haze(%)	Wire Visible	≤1.0%	≤1.3%	<2%
Moire	Not Obvious	None	None	Yes
Flexibility	Bendable	NO	Foldable (>100k Cycles)	Bendable
Hardness	>3H	>2H	>3H	>2H
Downstream Process	Wire Plotting	Photo-litho, Laser, Screen Printing	Photo-litho, Laser, Screen Printing	Photo-litho

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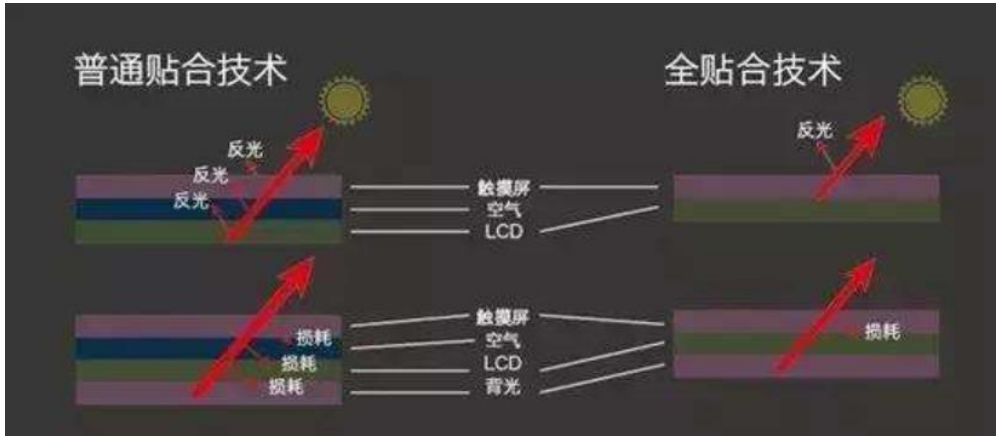
TP+LCM Lamination

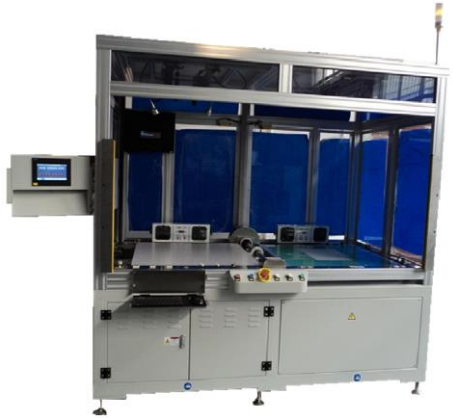


Full Lamination with better Viewing Effect

TP+LCM Lamination

- Full Lamination between TP+LCM
- Delamination of TP+LCM
- Size Available: 7”~32”
- Capacity: 750 sets/Day

Facilities Applied:



Automatic Lamination Machine

Auto-Clave Vacuum Machine

SNT IR Touch Frame (Panel)

- Size Available: 15.6”~98”
- Touch Points: 2/4/6/10/20/40
- Ultra-Low Power Consumption
- Drift-free
- Any Touch, finger, gloved or pointer (with diameter ≥5mm)
- TUIO Supported
- Compatible with Windows/Mac OS, Linux, etc.

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Product Range

IPD Business Unit

Industrial

Open-Frame Touch Monitor

- 15.6~32inch
- Design Customizable

Commercial

Interactive Commercial Display

- 21.5”/32”/55” Touch Mirror
- 55” Standing Kiosk (Mirror Optional)
- 32”/43” Touch Monitor/AIO

Interactive White Board

- 65”/75” Meeting Pad
- 70”/75”/86” Interactive Blackboard
- 55”/65”/75”/86”/98” IR Touch

Education & Meeting

Entertainment

3 Screen Interactive Beer-Pong Table

Open Frame Touch Monitor

Product Features:

- LG/Samsung/AUO display
- Capacitive Touch Panels
- Customized designed installation rack
- TP+LCM full lamination or frame lamination
- Size Available: 15.6”/17”/19”/21.5”23.8”/32”
- Other size/configuration customizable

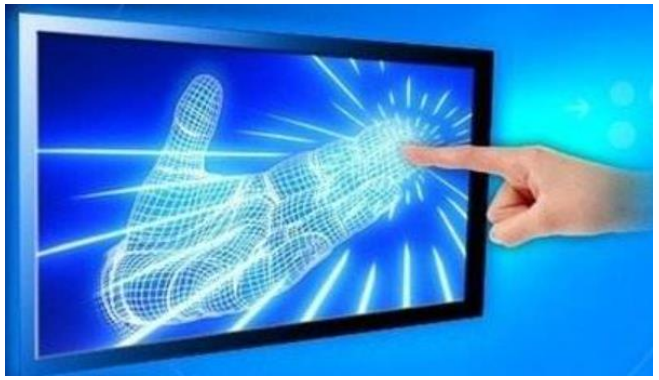
IPD: Commercial Display

Touch Mirror

- Size Availble:21.5”/32”/55”
- Standing Mirror Kiosk: 55”
- Customization Acceptable

Standing Kiosk

- Display Size:55”
- Standing Mirror Kiosk: 1.9*785
- Customization Acceptable



Touch Monitor

- Size Availble:21.5”/32”/43”/55”
- Frame Color: Silver/Black
- Customization Acceptable

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IPD: Meeting Pad

MARKHUB is the brand for our Smart Meeting Pad.

- 65” **MARKHUB** for small meeting room with attendants< 10 persons
- 86” **MARKHUB** for Medium meeting room with attendants< 25 persons
- 98” **MARKHUB** for Large Meeting Room

Features:

- Screen Casting (One Touch)
- Unlimited Writing Board
- Video Teleconference
- Auto-Memo saving
- Mobile bracket
- …

SNT Smart Board:

- Size Availbale: 65”/70”/75”/86”
- Capacitive Touch with Active Pen
- Advanced Meeting Software

New Form Smart Classroom Product:

- Android/Windows Dual System
- Capacitive touch screen
- 70”/75”/85” Display Area
- Smart Teaching Software

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IPD: Beer-Pong Table

Entertainment

Product Features:

- 32”-55”-32” Triple Touch Screen Interaction
- Flat 6mm Tempered Glass
- Beer-Pong Gaming Software with Social Media Ads.
- RFID Sensible Pingpong Ball and sensing Tray
- Transformation from Traditional Beer-Pong to Modern Internet+ Gaming

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BTP Product Applications

Outdoor Application:

Bus Station Digital Signage Russia
SNT 65inch Touch foil Applied

Government Project:

Yunnan People's Court

Policy Learning Windows
SNT Interactive touch foil applied

OVERSEAS CHINESE UNIVERSITY
僑光科技大學
OCU

僑光科技大學
Overseas Chinese University

Overseas Chinese University, Taiwan:

SNT 98inch touch foil Panel are installed
on Interactive Video Wall

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BTP Product Applications

SNT 32inch Touch panels Are applied for Shell Gas Station in Poland

Shell

Turkey Pharmaceutical Plant:
SNT 10.1inch Touch Panel Applied

SNT 23.8inch Touch panel are applied for Wincor's self-servicing Kiosk in East Europe

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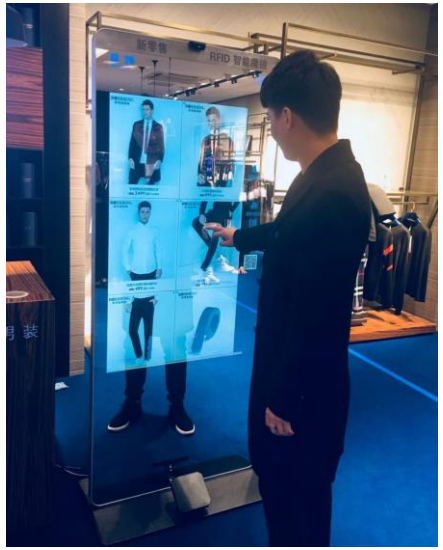
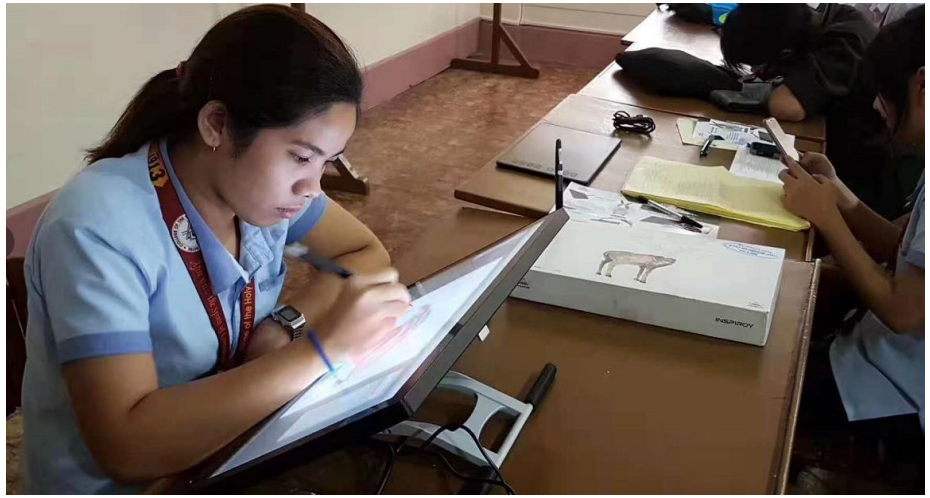
BTP Product Applications



Interactive Standing Mirror Kiosk applied to China famous clothing brand shop: Bosideng

波司登
畅销全球72国

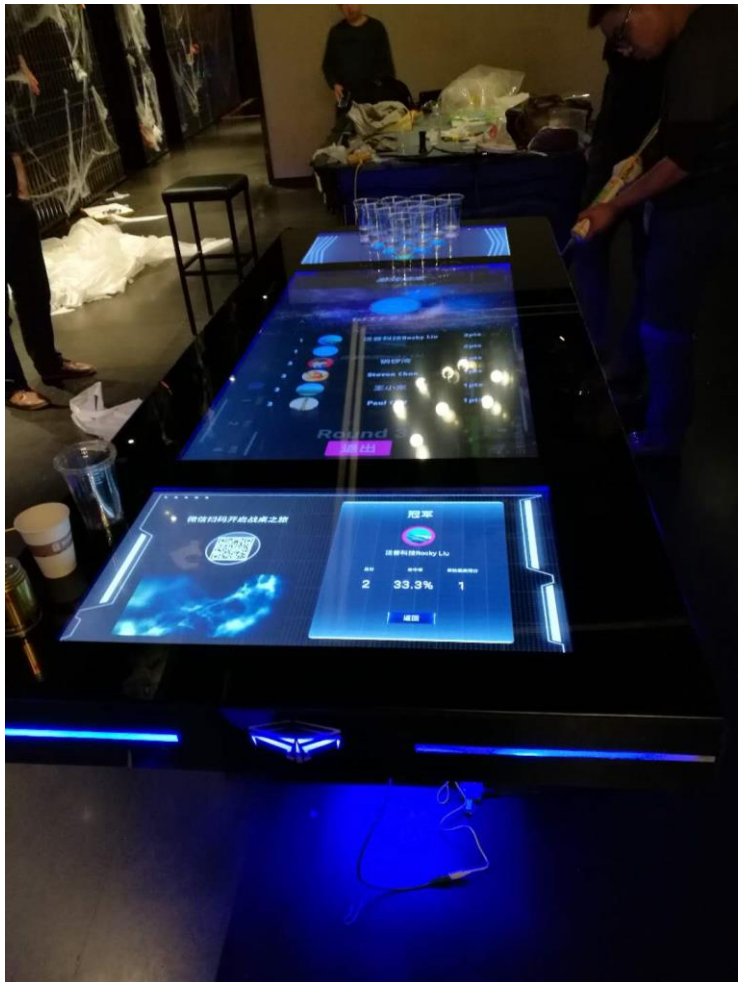
SNT Smart Board are installed in Guangzhou Huizhou High School



SNT 21.5inch Desktop PC are applied to Universities

IPD Product Applications

Thailand Restaurant use SNT touch AIO as a digital menu, and self-service ordering machine



Shanghai KTV (King of Party) applied Beer-Pong Table to VIP rooms for promotion of Entertainment.

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Global End-Customers References

SONY

Panasonic

SAMSUNG

EIZO

TOMMY HILFIGER

NCR

WINCOR NIXDORF

FUJITSU

EGT

KING OF PARTY K歌之王

abuzz

VESTEL

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