

More Precise & Convenient
Input / Output Device Expert Group,

nxo NXO Co., Ltd.

nxo

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1. General Status

Interaction between Human & Device

To make human life more convenient through communication with input/output devices

Company

NXO Co., Ltd.

Established

October 30, 2002

Main Item

Touch Screen, Industrial Display, Interactive Display, Smart Display, CMS S/W

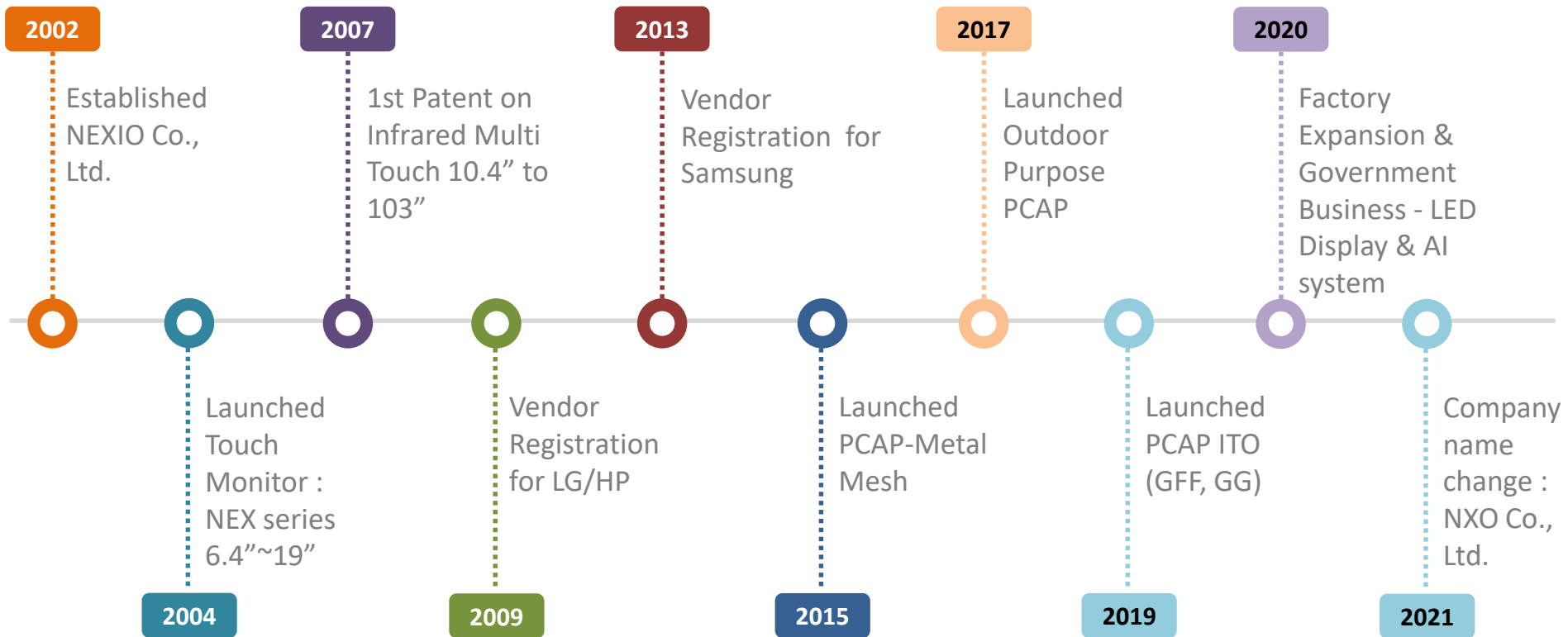
Address

5, Seounsandan-ro 2-gil, Gyeonggi-do, Incheon, 21072, Republic of Korea

Certification

ISO14001 / ISO9001

2. Company History



3. Factory Information – 1) IR & Display

OCT. 2021

(K Unit / Year)

Capacity

	Yearly Output	Monthly Output	Condition
1 Line	26,400	2,300	NEX170 , 8 H/Day, 10 Persons
2 Line	39,600	3,400	ATI420 , 8 H/Day, 10 Persons
Total	66,000	5,700	

Land Area

1,322 m²

Main Facilities

- * Production Line 1, 2
- * Reliability Test Room / Lab.
- * Products Storage / Materials Storage
- * Manufacturing Technique Lab
- * Customer Satisfaction Room
- * Incoming Inspection Room



3. Factory Information – 1) IR & Display : Clean booth & Aging equipment

Clean booth



Aging equipment 1 – Up to 27inch



Aging equipment 2 – 32inch or more



3. Factory Information – 2) PCAP

Capacity

10,000PCS/month (Lamination Basis)

Land Area

1,980 m2

Main Facilities

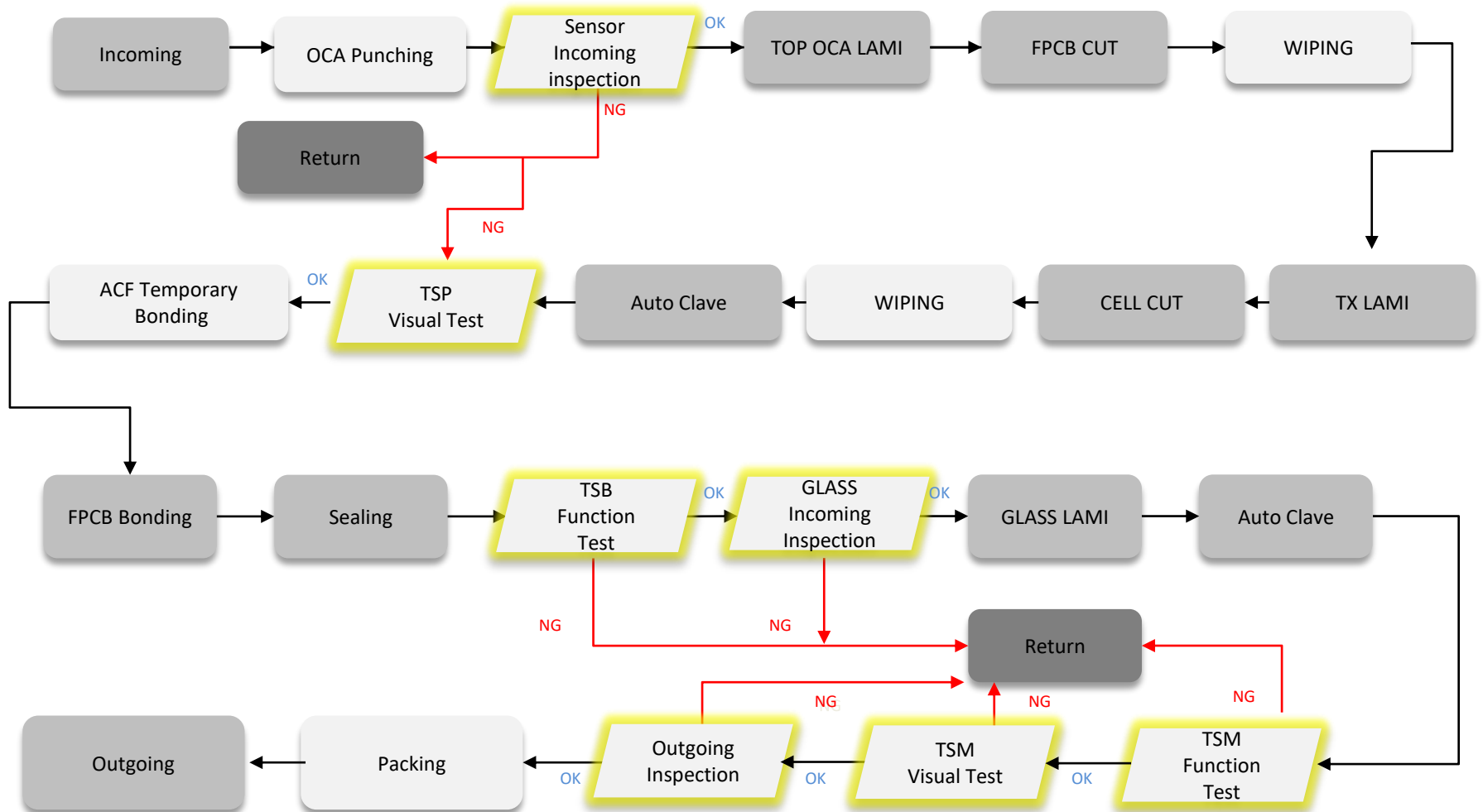
- * Production Room 1, 2, 3
- * Products Storage / Materials Storage
- * Manufacturing Technique Lab
- * Research /Office Room
- * Utility Room



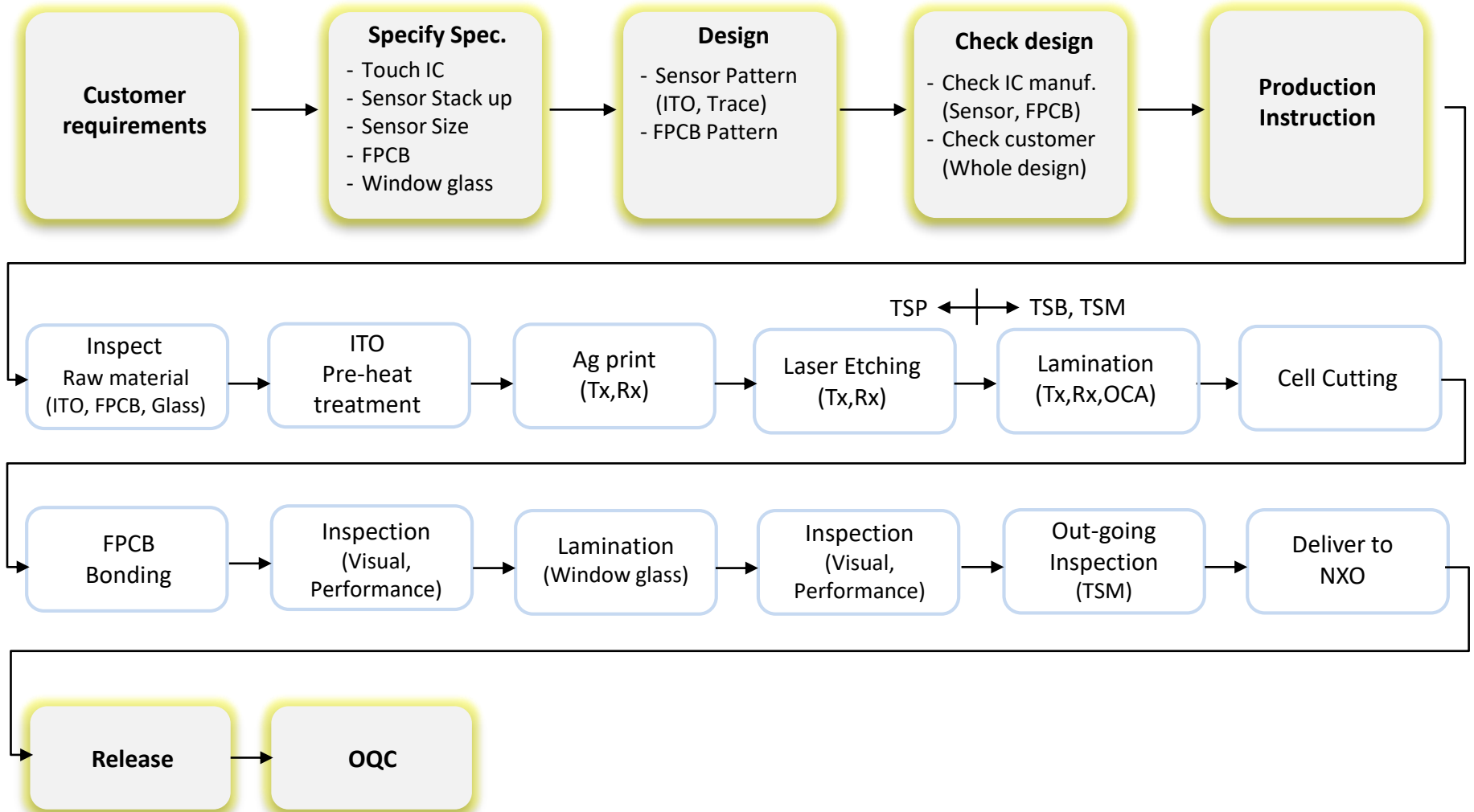
3. Factory Information – 2) PCAP : Main Equipment

Process	Details	Equipment	Set	Capacity (Kpcs/Month)	Quality Spec.
Inspection	<ul style="list-style-type: none"> · Incoming · On progress · Outgoing 	<ul style="list-style-type: none"> · Inspection Table (3500*5500) 	8	10	<ul style="list-style-type: none"> · Inspection certification · Defect rate target : Zero
Lamination	<ul style="list-style-type: none"> · Sheet 	<ul style="list-style-type: none"> · Large Lamination 	4	10	<ul style="list-style-type: none"> · Vision Align : ± 0.5mm
	<ul style="list-style-type: none"> · Glass 	<ul style="list-style-type: none"> · Medium Lamination 	9		
Bonding	<ul style="list-style-type: none"> · ACF Temporary Bonding 	<ul style="list-style-type: none"> · Temporary Bonding 	3	10	<ul style="list-style-type: none"> · Align Rate : 80% · Force rate: 0.5Kgf/cm²
	<ul style="list-style-type: none"> · ACF Bonding 	<ul style="list-style-type: none"> · Bonding 	4		
Auto Clave		<ul style="list-style-type: none"> · Large (1340*2400) · Medium(900*1260) 	3	20	<ul style="list-style-type: none"> · Max. Pressure: 25Kgf/cm² · Air bubble rate : approach to zero %
			1		
Clean Room		<ul style="list-style-type: none"> · 1000 Class · 760m² 			

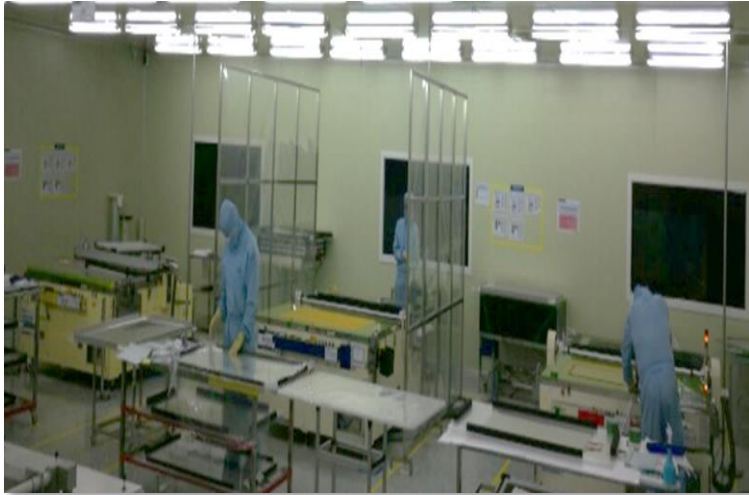
3. Factory Information – 2) PCAP : Main Process for PCAP Production



3. Factory Information – 2) PCAP : Main Process for PCAP Production



3. Factory Information – 2) PCAP : Equipment Status for PCAP



Equipment	Process capability
Sheet Type Laminating Machine	<ul style="list-style-type: none"> · Film to Film · Film to Glass · Size : 10" ~ 75"

Equipment	Process capability
Autoclave Machine	<ul style="list-style-type: none"> · Max. Pressure : ~ 25 bar · Max Size : ~ 120 inch

3. Factory Information – 2) PCAP : Equipment Status for PCAP



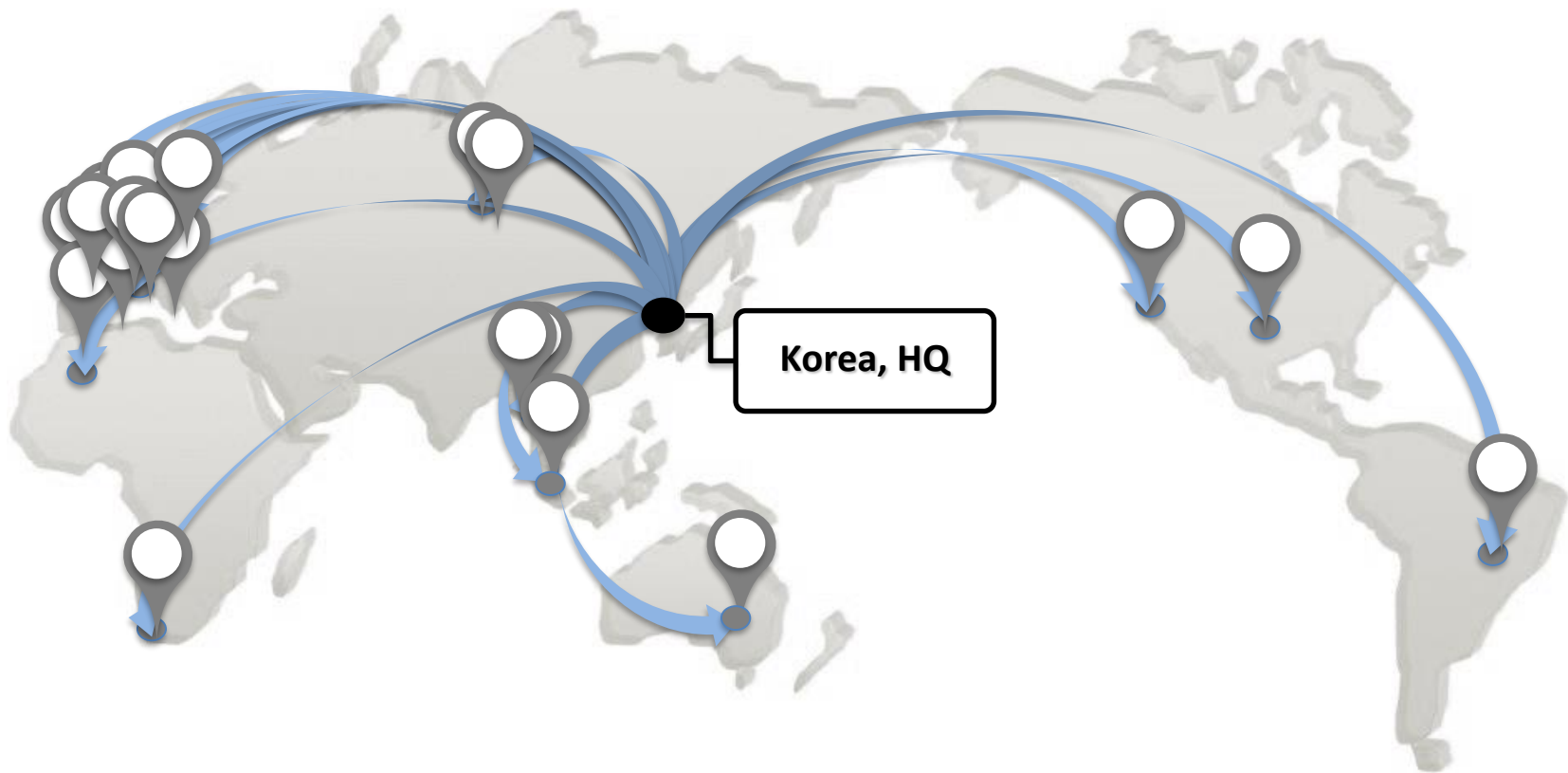
Equipment	Process capability
ACF & FPCB Bonding Machine	Max : ~ 100 inch

Equipment	Process capability
Pressing Machine	<ul style="list-style-type: none"> · Film Sheet Cut · FPCB Hole Cut · Cell Cut : 10" ~ 70"

Equipment	Process capability
Inspection	Black & White inspection table with 1.000 class cleanroom

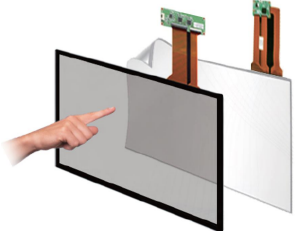


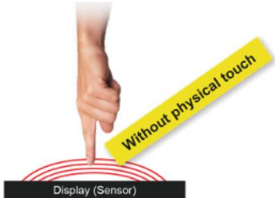
4. Sales Network

- Distributors in Worldwide
- Over 75 countries in Sales
- Over 20 years of Experience in Market
- Reliability Approved by Various Customers



1. Touch Screen

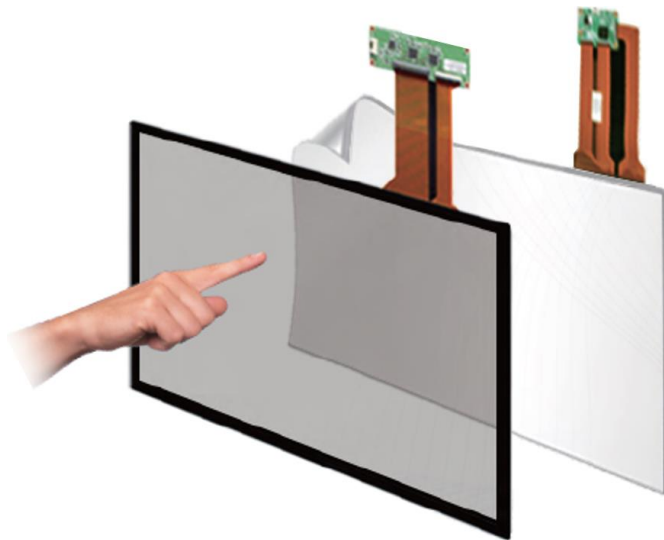
Precise and Reliable Touch Screen

<p>1) PCAP - T series</p>		<ul style="list-style-type: none"> ▪ 8" ~ 86" ▪ ITO (GFF, GG), Metal mesh (GFF) ▪ With glass / Without glass ▪ Flexible support for diverse range of applications
<p>2) IR (Infra-red) - ZTI / GTI / VTI / ATI series</p>		<ul style="list-style-type: none"> ▪ 15" ~165" ▪ Durable for reliable operation ▪ Strong performance under the sunlight ▪ Long life time – semi permanence
<p>3) Touch overlay kit – TOI / TOP series</p>		<ul style="list-style-type: none"> ▪ PCAP overlay : 15" ~ 86" ▪ IR overlay : 32" ~ 110" ▪ Upgrade your monitor into interactive display
<p>4) Contactless Touch</p>		<ul style="list-style-type: none"> ▪ Contactless & Touchless & No physical touch solution ▪ With just one controller, it can recognize normal touch and hover touch

1. Touch Screen – 1) PCAP (Projected capacitive)

8" ~ 27" , 32" ~ 86"

Extremely high performance, stable & reliable



❖ Features

- Invisible wire – Metal Mesh(Ag/Cu) / ITO(GFF/GG)
- Minimum Air gap - 0.5mm between Touch and LCD surface
- Cover window thickness : Up to 12mm
- Available glove and conductive pen
- Parameter adjustable at site
- Objective sensor readable
- Strong against EMI Noise

❖ Various option (welcome)

- Custom design available
- Glass type : Mirror Glass, AG, AF, AR and etc...
- Cover window : PMMA, PC, Glass and etc...
- UV/IR Protection for outdoor use, Water droplet Free
- 50 touch points available through upgrading controller and engaging switching board

❖ PCAP line up

Available outdoor purpose PCAP / OEM/ODM service !

Size	Material	Type	Controller	Multi touch
10.1	ITO	GFF	ILITEK	10
	ITO	GG	ILITEK	10
12.1	ITO	GG	ILITEK	10
15	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
	ITO	GG	ILITEK	10
15.3	ITO	GFF	WEIDA	10
15.6	ITO	GFF	ILITEK	10
17	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
18.5	ITO	GFF	ILITEK	10
19	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
19.5	ITO	GFF	WEIDA	10
21.5	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
	ITO	GG	ILITEK	10
	ITO	GFF	EETI	10
23	METAL MESH	GFF	SHARP	10
	ITO	GFF	EETI	10
23.8	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
24	ITO	GFF	EETI	10
	ITO	GG	ILITEK	10

Size	Material	Type	Controller	Multi touch
27	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
	ITO	GFF	EETI	10
32	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
	ITO	GG	WEIDA	10
	ITO	GFF	EETI	10
42	METAL MESH	GFF	SHARP	10
	ITO	GFF	EETI	10
43	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
	METAL MESH	GFF	SHARP	40
46	METAL MESH	GFF	SHARP	10
	METAL MESH	GFF	SHARP	40
49	ITO	GFF	WEIDA	10
50	ITO	GFF	WEIDA	10
55	METAL MESH	GFF	SHARP	10
	ITO	GFF	WEIDA	10
	METAL MESH	GFF	SHARP	40
65	METAL MESH	GFF	SHARP	10
75	METAL MESH	GFF	SHARP	40
86	METAL MESH	GFF	SHARP	40

1. Touch Screen – 2) IR (Infrared)

10.4" ~ 165 "

Solid structure, Extremely high performance and stable & reliable



❖ Features

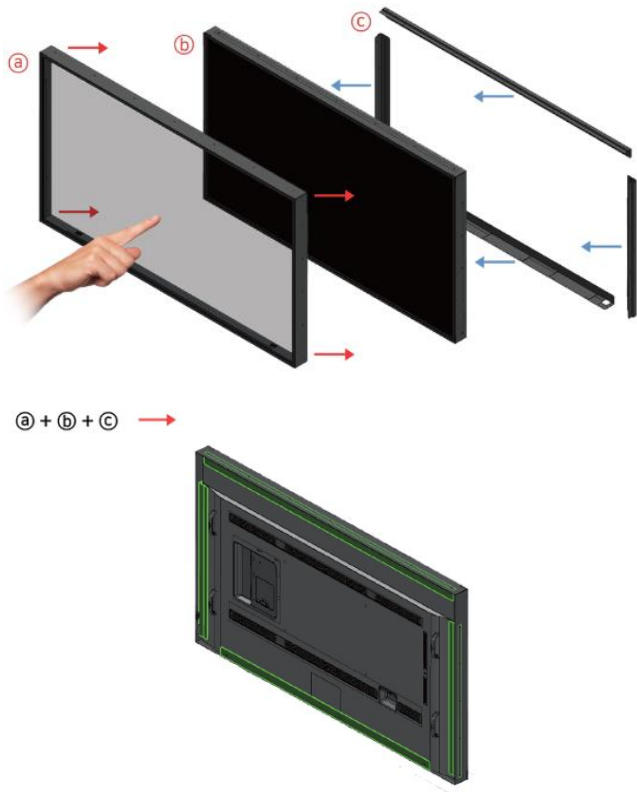
- True Multi Touch without ghost
- User friendly installation
- Integrated controller
- USB powered
- Strong performance under the sunlight
- Long life time – semi permanence

❖ Applications

- Digital Signage, Game, Education, Video wall, Panorama, Medical & Military product etc.

1. Touch Screen – 3) Touch Overlay Kit – TOI / TOP Series

Upgrade your display into interactive display

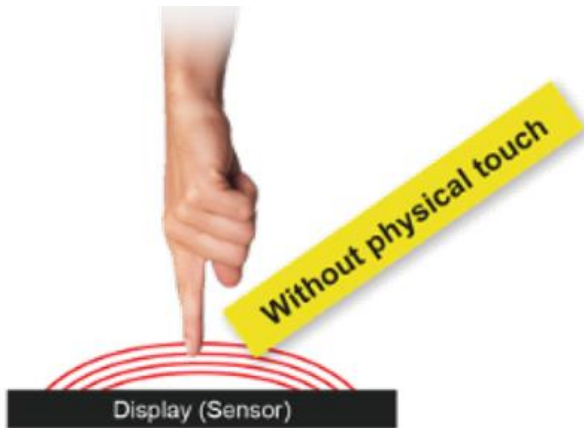


❖ Features

- TOP Series (PCAP Overlay) - 15" ~ 86"
- TOI Series (IR Overlay) – 32" ~ 110"
- Cost effective – change the current non-touch display to touch display
- Easy integration and rugged design with safety
- Easy to repair the displays
- Smooth writing and drawing experience
- Fast response time
- USB Plug & Play

1. Touch Screen – 4) Contactless touch

The best solution to protect users against the infection by virus and germ



< Hover Touch Demonstration >

❖ Features

- Contactless & Touchless & No physical touch solution
- With just one controller, it can recognize normal touch and hover touch
- Seamless mode change : Hover touch / Pen drawing

❖ Applications

- Vending machine, Ticket machine
- Self-payment system KIOSK used in public places

2. Industrial Display

10.4" ~ 86" , Depends on the customer's requirements

<p>1) Open frame - NOP series</p>		<ul style="list-style-type: none"> ▪ 10.4" ~ 55" ▪ Competitive price ▪ Easy integration – Mounting bracket ▪ KIOSK, Totem, FA
<p>2) Panel mount - NEX series</p>		<ul style="list-style-type: none"> ▪ 10.4" ~ 23" ▪ Rugged front panel ▪ Panel mounting ▪ FA, KIOSK, Totem
<p>3) All in one display</p>		<ul style="list-style-type: none"> ▪ 10.4" ~ 86" ▪ Built-in PC and Android ▪ Available customizations

2. Industrial Display - 1) Open frame : NOP series

10.1" ~ 27"

Superior Quality. Competitive Price



❖ Features

- Compact and easy to integrate
- Multiple mounting options include rear-mount, VESA mount, flush-mount, front mount and side mount
- Custom design support
- Touch option
 - PCAP
 - IR
 - Resistive

❖ Applications

- KIOSK, Totem
- Transportation
- Industrial applications. etc.

❖ Specification

Specification		Standard Display					Wide Display					
Model Name		NOP104	NOP121	NOP150	NOP170	NOP190	NOP156	NOP185	NOP215	NOP230	NOP238	NOP270
Panel Size (inch)		10.4	12.1	15	17	19	15.6	18.5	21.5	23	23.8	27
Aspect Ratio		4 : 3	4:3	4:3	4:3	4:3	16:9	16:9	16:9	16:9	16:9	16:9
Native Resolution		800x600	1024x768	1024x768	1280x1024	1280x1024	1366x768	1366x768	1920x1080	1920x1080	1920x1080	1920x1080
Contrast Ratio		700:1	700:1	700:1	1000:1	1000:1	500:1	1000:1	1000:1	1000:1	1000:1	1000:1
Brightness (panel) cd/m2		400	500	300	250	250	400	250	250	300	250	300
Viewing Angle (H)/(V)		160°/130°	160°/160°	160°/160°	170°/160°	178°/178°	170°/160°	170°/160°	178°/178°	178°/178°	178°/178°	178°/178°
Input Signal		HDMI, VGA, DC 12V, DVI-D (optional)										
Plug & Play		DDC2B, VESA DPMS										
Power		DC 12V										
Touch Option	Technology	IR, Resistive			IR, PCAP, Resistive			Resistive		PCAP, IR		
	Interface	USB, RS232, I2C										

<The specification is subject to change without prior notice.>

2. Industrial Display – 2) Panel mount : NEX series

10.4 ~ 23.8"

Best Panel mount design to directly install the LCD monitor into any instrument or workstation



❖ Features

- Easy Fitting, Panel and VESA mounting
- Rugged Front Panel (IP54)
- OSD Key location : Front or Rear

❖ Optional Support

- PC Built-in
- Custom design available upon customer's requests
- Touch option
 - IR
 - PCAP
 - Resistive

❖ Specification

Specification		Standard Display					Wide Display				
Model		NEX104	NEX121	NEX150	NEX170	NEX190	NEX156	NEX185	NEX215	NEX230	
Panel Size (inch)		10.4	12.1	15	17	19	15.6	18.5	21.5	23	
Aspect Ratio		4 : 3					16 : 9				
Native Resolution		800x600	1024x768	1024x768	1280x1024	1280x1024	1366x768	1366x768	1920x1080	1920x1080	
Contrast Ratio		700 : 1			1000 : 1		500 : 1	1000 : 1			
Brightness (panel) cd/m2		400	500	300	250	250	400	250	250	300	
Viewing Angle (H)/(V)		160°/130°	160°/160°	160°/160°	170°/160°	178°/178°	170°/160°	170°/160°	178°/178°		
Input Signal	Standard	VGA, HDMI, DVI-D, Audio in, Audio out, DC 12V		DVI, VGA, DC 12V			VGA, HDMI, DVI-D, Audio in, Audio out, DC 12V				
	Option	HDMI, VGA, DC 12V									
Plug & Play		DDC2B, VESA DPMS									
Power		DC 12V									
Touch Option	Technology	IR, Resistive			IR, PCAP, Resistive			IR, Resistive			
	Interface	USB, RS232, I2C									

<The specification is subject to change without prior notice.>




3. Interactive Display – 1) Touch display

<p>① NSP series</p>		<ul style="list-style-type: none"> ▪ 32" ~ 86" ▪ FHD/UHD ▪ Edge to edge glass (Bezel free) ▪ Digital signage
<p>② NEP series</p>		<ul style="list-style-type: none"> ▪ 10.4" ~ 86" ▪ Bezel free - VESA mount ▪ KIOSK, Totem, Wayfinding

2. Interactive display – 2) Touch overlay display

<p>Touch Overlay Display – KOI / KOP series</p>		<ul style="list-style-type: none"> ▪ Touch Overlay + Display : All-in-one touch screen ▪ Cost effective solutions for interactive touch display
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3. Interactive Display – 3) Mirror display

<p>① Smart Coaching Mirror - NSM430</p>		<ul style="list-style-type: none"> ▪ 43" ▪ Home training coaching partner ▪ Style coordinator ▪ Multi-media display
<p>② Smart Mirror Display - NSM110</p>		<ul style="list-style-type: none"> ▪ 11" smart mirror with android OS ▪ Stylish design ▪ Available customized design
<p>③ ARC (Augmented Reality Coaching System with Mirror Display)</p>		<ul style="list-style-type: none"> ▪ 43" / 65" ▪ Mirror display for self-training / coaching ▪ Combined AR & Motion capture & AI technologies

3. Interactive Display – 1) Touch display - ① NSP series

*21.5" / 23.8" / 43" / 46" / 55" / 65" / 86"
FHD & UHD, Robust & Refined*



❖ Features

- Edge to edge glass (Bezel free)
- Robust metal works
- All rounded 4 corners
- VESA wall & Side mountable
- Handles for safety
- Long term usable commercial LCD panel (24/7/365)
- Capable for Landscape, Portrait, Table
- Fastest P-CAP touch (10p/50p)
- Built in FAN for long term use
- Built in Speakers

❖ Optional Support

- PC / Android built in
- Various glass coating (AR, AG, AF, Mirror etc)
- Screen rotation button

❖ Specification

Specification						
Model	NSP320	NSP430	NSP460	NSP550	NSP650	NSP860
Panel Size (inch)	32	43	46	55	65	86
Aspect Ratio	16:9					
Max. Resolution	FHD	UHD	FHD	UHD		
Contrast Ratio (Typ.)	1300:1	1000:1	4000:1	1100:1	1100:1	1200:1
Brightness (panel) cd/m ²	450	400	500			
Viewing Angle (H)/(V) (Typ.)	178°/178°					
Input Signal	HDMI, DVI-D, VGA	HDMI 2.0 x 2 DP 1.2 x 2	HDMI, DVI-D, VGA	HDMI 2.0 x 2 DP 1.2 x 2		
Audio	Input/output	HDMI Φ3.5 Phone Jack Speaker	HDMI, DP Φ3.5 Phone Jack Speaker	HDMI Φ3.5 Phone Jack Speaker	HDMI, DP Φ3.5 Phone Jack Speaker	
	Speaker Output	10W + 10W				
Plug & Play	VESA DDC2B					
Power Input	AC 100V~240V (50/60Hz)					
Touch Technology	PCAP					
Touch Input Method	Finger, Pen (Capacitive)					

<The specification is subject to change without prior notice.>

3. Interactive Display – 1) Touch display - ② NEP series

10.4" ~ 86"

Extreme Visual Performance



❖ Features

- Available both portrait and landscape orientation
- Easy to integrate – VESA mount and side mount User hole
- Extra VESA hole for external mini PC, Android box and etc...
- Speaker built-in
- Edge-to-edge display with a zero bezel

❖ Optional Support

- Built-in Embedded (Android Solution) Board, NUC (mini PC), OPS
- UV/IR Protection for outdoor use
- Custom design available upon customer's requests
- Various glass types – Mirror Glass, AG, AF, AR and etc...

❖ Specification (FHD)

Specification		FHD Digital Signage							
Model		NEP215	NEP238	NEP270	NEP320	NEP420	NEP430	NEP460	NEP550
Panel Size (inch)		21.5	23.8	27	32	42	43	46	55
Aspect Ratio		16 : 9							
Native Resolution		1920x1080							
Contrast Ratio		1000 : 1	1000 : 1	1000 : 1	1200 : 1	1300 : 1	1100 : 1	4000 : 1	1300 : 1
Brightness (panel) cd/m2		300	250	300	400	700	450	500	700
Viewing Angle (H)/(V)		178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°	178°/178°
Input Signal		HDMI, VGA, DVI-D, Audio In, Audio Out							
Speaker (Optional)		2W + 2W			10W + 10W				
Plug & Play		DDC 2B, VESA DPMS							
Power		DC 12V			100 ~ 240V AC				
Touch	Technology	PCAP, IR							
	Interface	USB							
	Multi-points	PCAP - 10 points (standard), 50 points (optional) / IR - 10 points (standard), 16 or 32 points (optional)							

❖ Specification (UHD)

Specification		UHD Digital Signage						
Model		NEP320U	NEP430U	NEP490U	NEP550U	NEP650U	NEP750U	NEP860U
Panel Size (inch)		32	43	49	55	65	75	86
Aspect Ratio		16 : 9						
Native Resolution		3840x2160						
Contrast Ratio		1000 : 1	1000 : 1	1100 : 1	1100 : 1	1100 : 1	1200 : 1	1200 : 1
Brightness (panel) cd/m2		350	500	500	500	500	650	500
Viewing Angle (H)/(V)		178°/178°						
Input Signal		HDMI x 2, DP x 2, Audio In						
Speaker (Optional)		8W + 8W						
Plug & Play		DDC 2B, VESA DPMS						
Power		100 ~ 240V AC						
Touch	Technology	PCAP, IR						
	Interface	USB						
	Multi-points	PCAP - 10 points (standard), 50 points (optional) IR - 10 points (standard), 16 or 32 points (optional)						

<The specification is subject to change without prior notice.>

3. Interactive Display – 2) Touch overlay display – KOP/KOI series

32" ~ 110"

Touch Overlay + Display : All-in-one touch screen



❖ Features

- KOP Series (PCAP Overlay) - 32" ~ 86"
- KOI Series (IR Overlay) – 32" ~ 110"
- Cost effective solutions for interactive touch display
- Can be supplied the customer-specified display and touch overlay as an all-in-one
- Slim and sleek design
- High performance touch experience
- Multi touch points

3. Interactive Display – 3) Mirror Display - ① Smart Coaching Mirror - NSM430

43" / 65"

Home training coaching partner



❖ Features

- 43" / 65"
- Home training coaching partner
 - Fitness, Yoga, Golf, Stretching, Dance
- Style coordinator
- Multi-Media Display
 - Install it in the living room and enjoy movies / YouTube / music.
- Android Built-in
- Mobile phone mirroring
- Wired / Wireless internet connection

3. Interactive Display – 3) Mirror Display - ② Smart Mirror Display – NSM110

11" smart mirror with android OS



❖ Features

- Where to use
 - Hotels, department stores, stores, fitting rooms, dressing rooms, powder rooms and bathrooms
- Stylish design
 - The stylish design adds the effects of interior.
- Built-in touch screen
- Edge LED
- Android OS / WiFi / Bluetooth
- Available customized design

3. Interactive Display – 3) Mirror Display - ③ ARC



ARC - Augmented Reality Coaching System with Mirror Glass





❖ Features

- Combined AR & Motion Capture & AI technologies
- Self-Contents Creation & Provider
- Mirror Digital Display for Self-training/coaching
- Real-time Feedback

4. Smart Display

<p>1) AI-Receptionist - NIR series</p>		<ul style="list-style-type: none">▪ 43" FHD / UHD▪ Enhance our company values▪ User-friendly CMS▪ Optimized design to reception▪ Interactive and intelligent receptionist
<p>2) Digital signage poster - NDS series</p>		<ul style="list-style-type: none">▪ 10.4" ~ 86"▪ Bezel free - VESA mount▪ KIOSK, Totem, Wayfinding

4. Smart Display

<p>3) E-Canvas – NDC series</p> <p>Digital photo frame</p>		<ul style="list-style-type: none">▪ Display artworks according to your taste▪ Retro sensibility▪ High resolutions, clear picture quality▪ Wide view angle▪ USB flash drive▪ Wired/Wireless internet connection▪ Multiple installation options
<p>4) Interactive Touch Table – NTT series</p>		<ul style="list-style-type: none">▪ 43" / 55"▪ Edge to edge glass (Bezel free)▪ Detachable legs▪ Anti-vandal tempered glass▪ No external cable▪ High brightness & Wide Viewing angle▪ Embedded PC - Spec customization available

4. Smart Display – 1) AI-Receptionist - NIR series

*Enhance your company values
Interactive & Intelligent 'AI-Receptionist'*



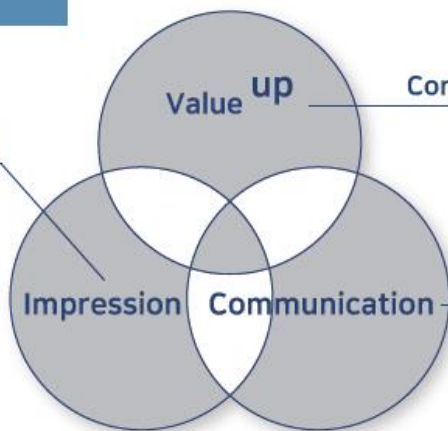
❖ Features

- Application
 - Company digital signage
 - Visitor & staff welcome board
 - Product & service advertising
 - Internal communication & News letter
- Easy management S/W
 - Scheduled Autoplay
 - Internet based content upload
 - Multi-media content : Text / Photo / Video / Web link
 - Customer-oriented content navigation by built-in-touch
- Luxury design harmonized customer's interior
 - Lobby / Elevator hall / Company entrance
 - Hotel lobby / Information map / Residence entrance and etc.

Value propositions

Customer impression

- Welcome Board
- Company information
- Staff profile
- Customer-oriented info.



Corporate value enhancement

- Company brand awareness
- Product promotion

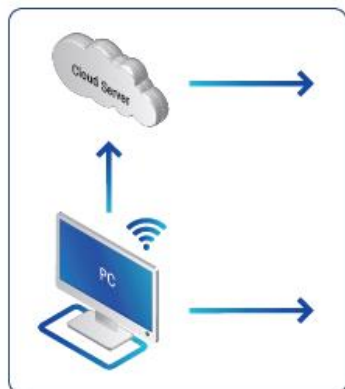
Internal comm. channel

- Newsletter portrayal
- Main events announcer

How to upload content

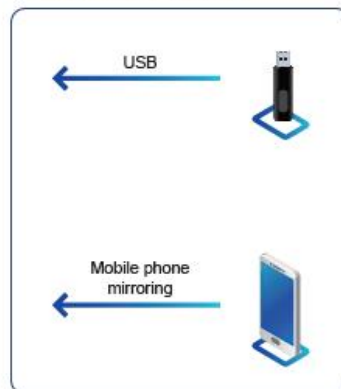
[With CMS* & Cloud server]

- ▶ User-friendly CMS



[Player]

- ▶ Memory stick content play, cell phone mirroring



< Lobby >



< Elevator hall >



< Company entrance >

* CMS : Content management S/W

❖ Specification

SPECIFICATION			
Model		NIR430	NIR430U
Display	Panel Size (inch)	43	
	Resolution	1920 x 1080	3840 x 2160
	Brightness (Typ.)	400 cd/m ²	700 cd/m ²
	Contrast Ratio (Typ.)	1000:01:00	
	Viewing Angle (H)/(V)	178°/178° (Typ.)	178°/178° (Min.)
Touch Screen	Touch Input Method	Finger, Pen(Capacitive)	
	Multi Touch Point	10	
	Available Object size	Φ8mm(Finger), Φ3mm(Active Pen)	
	Response Time (Min.)	16ms	
	Glass Thickness	3mm	
	Transmittance (Min.)	Clear - 85% Mirror (option) - 30%	
System	OS	Android 9.0	
	CPU	RK3328	
	Memory	DDR4 2GB	
	Storage	eMMC 16GB	
	Graphics	Mali 450	
	LAN	10/100 Mbps	
	Wifi	802.11 a/b/g/n	
I/O Interface		USB2.0/ RJ45	
Power	Input	AC100V ~ 240V(50/ 60Hz)	
	Consumption (Typ.)	75W	94W
Mechanical	Size (H x V x D, mm)	597 x 1294 x 50	
	Weight (kg)	33.6	

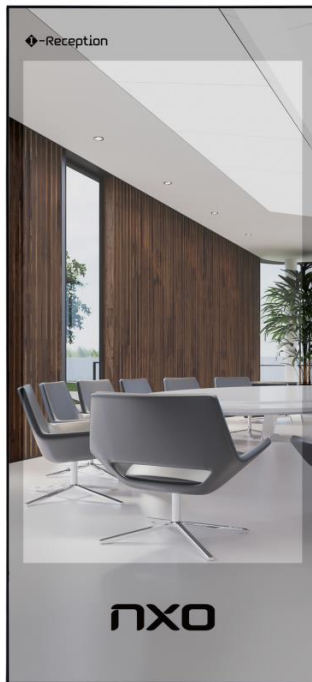
<The specification is subject to change without prior notice.>

❖ Without mirror



II. PRODUCT _ I-Reception

❖ With mirror



4. Smart Display – 2) Digital signage poster - NDS series

Smarter! Thinner! Slimmer!

Premium Digital Signage Poster – NDS series



❖ Features

- Ultra slim digital signage
- Flat rear board design adjacent to the wall
- FHD / UHD resolution
- Wide viewing angle
- 24/7 operation
- Android or Windows operation
- WiFi / Bluetooth / Mobile phone mirroring
- OEM / ODM service
 - Customized logo
 - Wall mount / Floor stand
 - Remote control by CMS software

❖ Specification

SPECIFICATION			
Model		NDS270	NDS430
Display	Panel Size (inch)	27	43
	Resolution	1920 x 1080	3840 x 2160
	Brightness (Typ.)	1,000 cd/m ²	400 cd/m ²
	Contrast Ratio (Typ.)	1000 : 1	
	Viewing Angle (H)/(V)	178°/178° (Typ.)	178°/178° (Min.)
System	OS	Android 9.0	
	CPU	RK3328	
	Memory	DDR4 2GB	
	Storage	eMMC 16GB	
	Graphics	Mali 450	
	LAN	10/100 Mbps	
	Wifi	802.11 a/b/g/n	
I/O Interface		USB2.0 x 2/ RJ45	
Power	Input	DC 12V/ 4.16A	AC100V ~ 240V(50/ 60Hz)
	Consumption (Typ.)	43W	70W
Mechanical	Size (H x V x D, mm)	874.7 x 385.1 x 22	1312.3 x 591.3 x 36.3
	Weight (kg)	11.4	28

<The specification is subject to change without prior notice.>

II. PRODUCT – Poster for Digital Signage



4. Smart Display – 3) E-Canvas - NDC series

32" / 55"

Create a private gallery of your dreams with



WiFi



USB



Android



Mirroring

❖ Features

- 32inch, 55inch
- Display an artworks according to your taste with E-canvas frame, Da Vinci
- Retro sensibility – The wood frame blends harmoniously
- High resolution, clear picture quality
- Wide view angle – 178 degree (IPS panel)
- Android OS
- Built-in 8G USB flash drive
- Wired/Wireless internet connection, Mirroring
- Multiple installation option – wall mounted, floor stand

❖ Specification

		SPECIFICATION		
Model		NDC320	NDC320U	NDC550U
Display	Panel Size (inch)	32	32	55
	Resolution	1920 x 1080	3840 x 2160	3840 x 2160
	Brightness (Typ.)	400 cd/m ²	350 cd/m ²	500 cd/m ²
	Contrast Ratio (Typ.)	1200:01:00	1300:01:00	1100:01:00
	Viewing Angle (H)/(V)	178°/178° (Typ.)		178°/178° (Min.)
	OS	Android 5.1		
System	CPU	RK3229		
	Memory	DDR3 2GB		
	Storage	eMMC 8GB		
	Graphics	Mali 400		
	LAN	10/100 Mbps		
	Bluetooth	4		
	Wifi	802.11 a/b/g/n		
Light Sensor	-		3 level detection	
I/O Interface	USB2.0 x 2/ RJ45		HDMI/ USB2.0 x 2/ RJ45	
Digital format	Video	MKV / MOV(H.265) / MP4 / AVI / WMV / MPEG / VOB / TS / TP / MTS / M4V / MPG / RM / RMVB		
	Image	JPG, JPEG, BMP, PNG, GIF		
Power	Input	AC100V ~ 240V(50/ 60		Hz)
	Consumption (Typ.)	-		130W
Mechanical	Size (H x V x D, mm)	940.2 x 638.1 x 63.1		1454.2 x 925.2 x 68.2
	Weight (kg)	-		27

<The specification is subject to change without prior notice.>

4. Smart Display – 4) Interactive Touch Table – NTT series

All – in – one touch table



❖ Features

- Edge to edge glass (Bezel free)
- Detachable legs
- Anti-vandal tempered glass
- No external cable
- High brightness & Wide Viewing angle
- Embedded PC - Spec customization available

❖ Specification

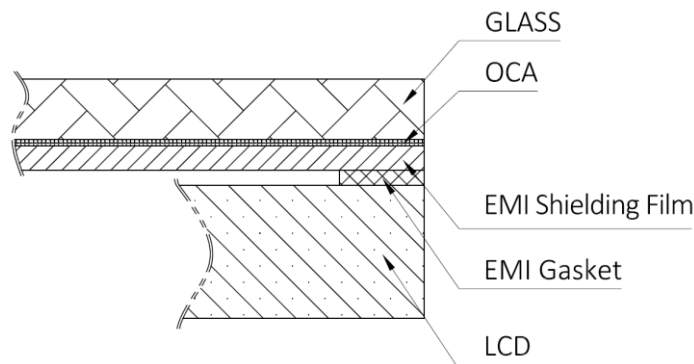
SPECIFICATION		
Model		NTT430U
Display	Panel Size (inch)	43
	Resolution	3840 x 2160
	Brightness (Typ.)	400 cd/m ²
	Contrast Ratio (Typ.)	1000:01:00
	Viewing Angle (H)/(V)	178°/178° (Min.)
Touch Screen	Touch Input Method	Finger, Pen(Capacitive)
	Multi Touch Point	40
	Available Object size	Φ8mm(Finger), Φ3mm(Active Pen)
	Response Time (Min.)	16ms
	Glass Thickness	4mm
	Transmittance (Min.)	80%
System	OS	Windows 10
	CPU	Intel® i5
	Memory	1*SO-DDR3L 1600MHz memory 8GB
	Storage	SSD 128GB
	Graphics	Integrating Intel HD4400 GPU
	LAN	1*Realtek 8111F network chip, 1000Mbps RJ45 LAN port
	Wifi	802.11ac
I/O Interface		USB2.0*2/ USB3.0*2/ RJ45
Power	Input	AC100V ~ 240V(50/ 60Hz)
	Consumption (Typ.)	130W
Mechanical	Size (H x V x D, mm)	1238.8 x 603.4 x 669.6(1020.5)
	Weight (kg)	60

<The specification is subject to change without prior notice.>

5. EMI Shielding

Conductive Transparent glass for TFT Displays – E Series

Sensitive medical, military or aerospace applications are subject to strict regulations concerning electromagnetic interference. In order to meet these requirements with our TFT displays and to shield the interference of the TFT cell, we use conductive transparent EMI mesh foil laminated to glass or plastic substrates such as acrylic, polycarbonate or polyester (PET) etc. The silver-coated gasket, busbar are used for grounding via the TFT display bezel.



❖ Applications

- Military displays
- Medical equipment and MRI rooms
- Marine
- Avionics
- In-flight entertainment displays
- Secure TEMPEST equipment
- Test and measurement

❖ Fitting options

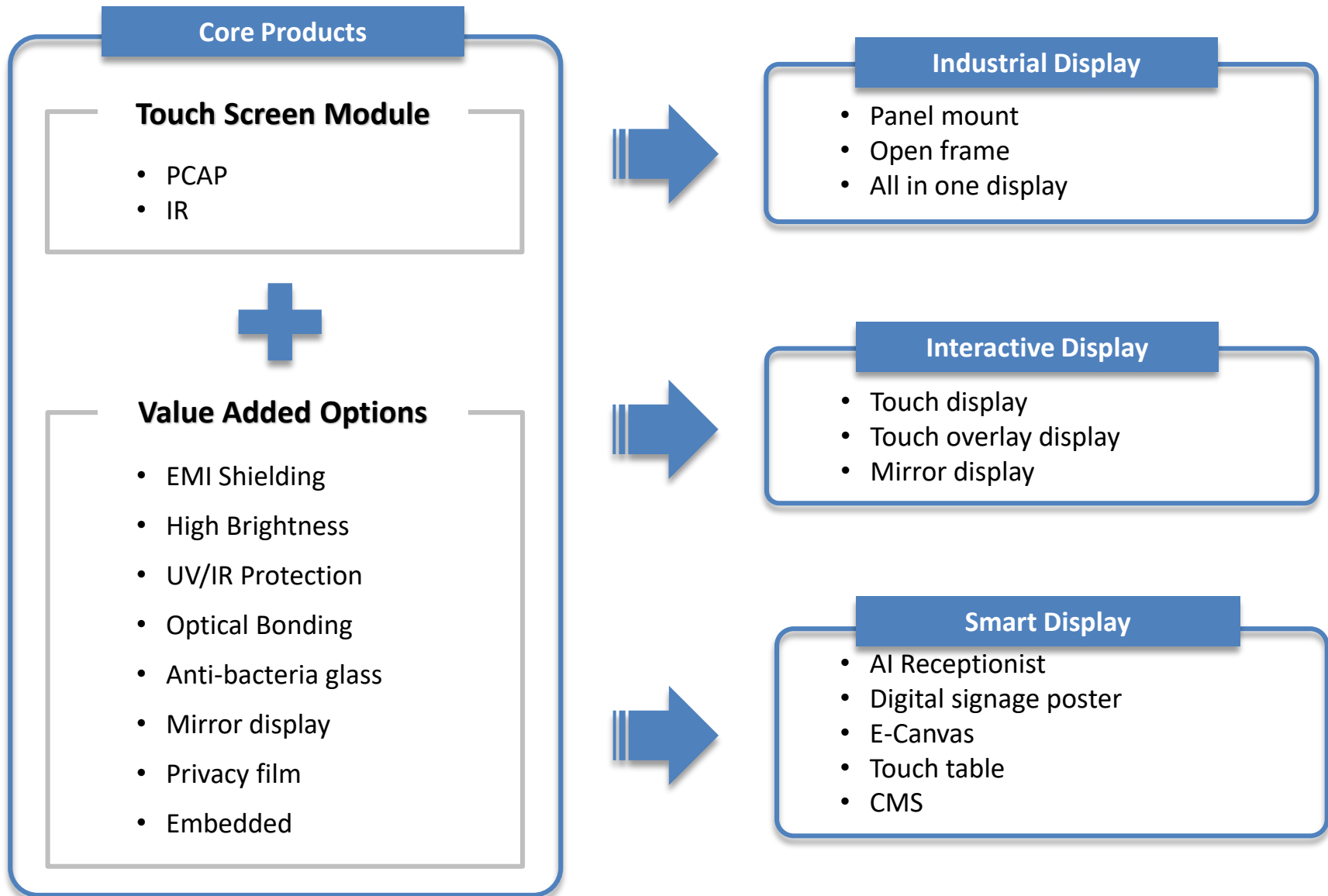
- Optical bonding
- Cover window : PMMA, PC, Glass and etc...
- Extra contact edge options
- EMI gasket : Silver busbar, Copper edges for grounding

❖ Specification

SPECIFICATION		Model		Test Method
		NEF100		
Available size		~75"		
Cover Window		Clear or AG glass on standard, Various version		
EMI electromagnetic shielding film	Protective Film	μm	50±5μm	ASTM D374
	Conductive layer	μm	100±5μm	
	Adhesive	μm	20±5μm	
	Release Liner	μm	38±5μm	
Mesh type & angle		Square 45 degree		
Line width		μm	11μm	
Line distance		μm	290μm	
VLT		%	≥82%	GB/T 2 410-2008
Surface resistance (conductive side)		Ω/□	≤0.3Ω/□	4 probe tester
Adhesion (conductive side)		At least reach two grade		GB/T 9286-1998
Adhesion peel strength		g/25mm	≥100	GB/T 9286-1998
Moisture & heat Test	Resistance change	%	≤10%	65°C , 90%, 100hr
	VLT change	%	≤5%	

EMI SHIELDING PERFORMANCE

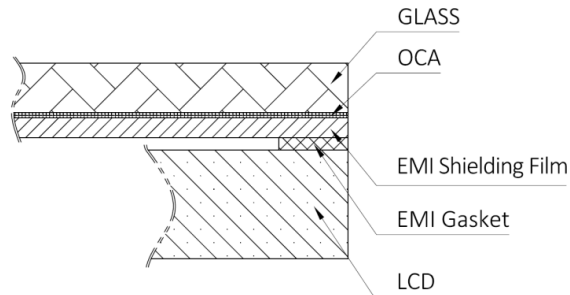
Item	Transmittance	Frequency / shielding dB						
		30MHz	100MHz	300MHz	500MHz	800MHz	1GHz	1.5GHz
NEF100	>82%	48	46	44	42	42	41	38



6. Value Added Options

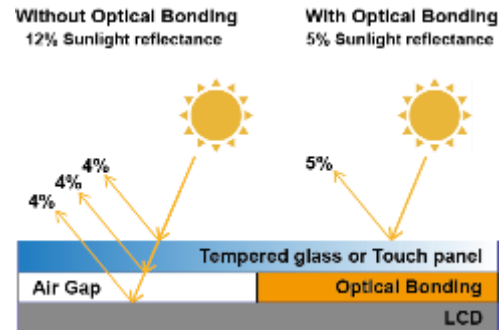
Value Added Option + Display = On Demand display for Specific purpose

1) EMI Shielding



- Prevent electromagnetic interference
- Military, Medical, Marine, Avionics
- Test and measurement

2) Optical Bonding



- High image quality and sharper contrast
- Readability by eliminating reflections

3) High Brightness



- For outdoor purpose
- High Brightness panel

4) UV/IR Protection



- For outdoor purpose
- Minimize discoloration by UV/IR of sunlight

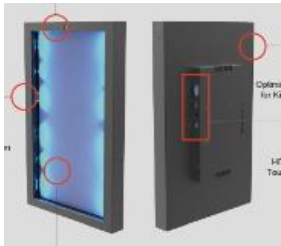
6. Value Added Options

5) Mirror glass



- Reflectivity : 65% / 50% ($\pm 5\%$)
- Available size : max. 2000x1100mm

6) UV Sterilizer



- UV LED Disinfection
- Chemical free and Non toxic disinfection
- 99.9% sterilization effect

7) Embedded



- Built-in Embedded

8) Rotation Switch



- For any touch table for customer consultation
- Quick and easy rotation switch to turn the screen to your customer

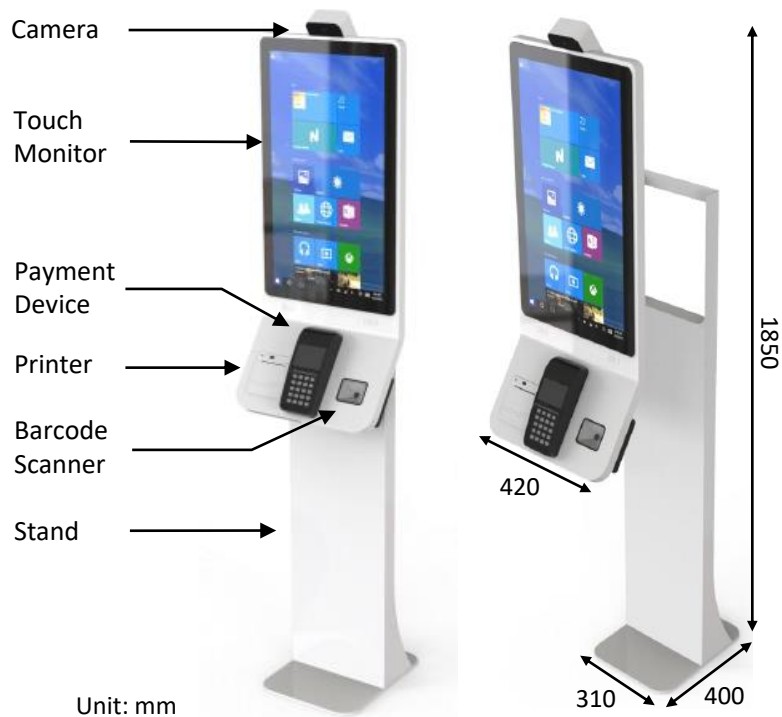
9) Privacy



- Prevent peeking from side
- Left/Right view angle : $25\pm 5^\circ$

7. Others - KIOSK

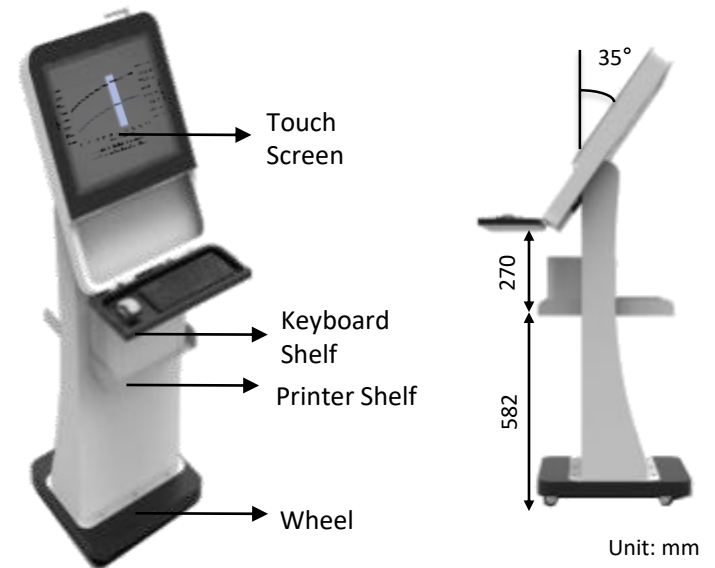
1) Payment systems



Applications

- QSR (Quick Service Restaurant)

2) FA – Factory Automation



Applications

- Factory Automation

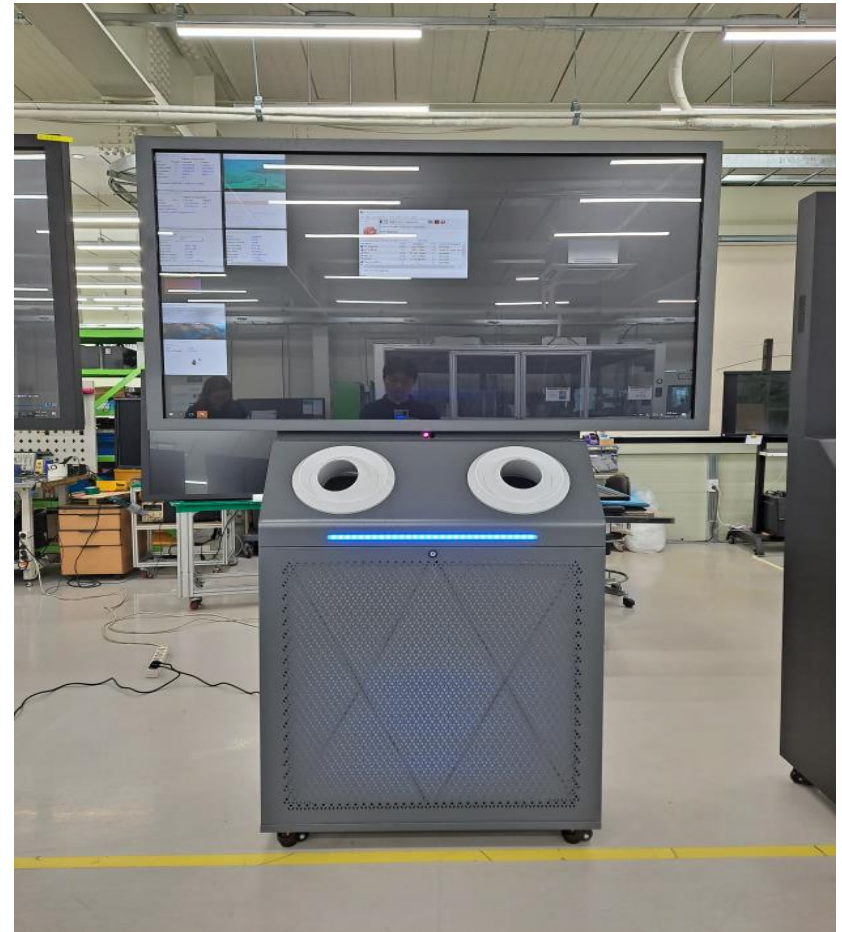
7. Others – Self payment kiosk

KFC Kiosk



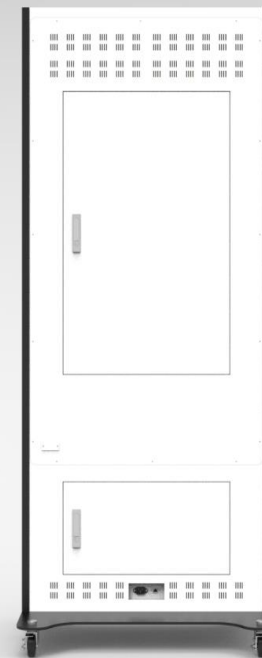
7. Others - Air Purifier

Domestic market and government institutions



7. Others - Totem

Totem Kiosk



7. Others - Flexible Heating Film

Flexible Heating Film

Features

- Applied flexible film + heating material
- Safe without deformation of copper foil when folded
- Easy to carry : Flexible, thin and light
- The use of low voltage : Wide application range
- Variable size: Within width 50~300mm and length 50~500mm, it is available to make standard module that meets customer's requirements. And standard module can be connected to expand the heating film size.

Application

- Heating vest / glove / hat
- Heat pad for back / abdomen / joints
- Wheelchair heating cushion
- Temperature control system for the outdoor display system inside
- Automotive seat heater



SPECIFICATION			
Model	NFHF-05, 12, 24		
Thickness(mm)	0.5 ~ 1		
Power Input(V)	DC 5		
	DC 12		
	DC 24		
Dimension (Heating area) * Customization available	Width(mm)	Min.	50
		Max.	300
	Length(mm)	Min.	50
		Max.	500
Maximum surface temperature(°C)	~ 60°C		

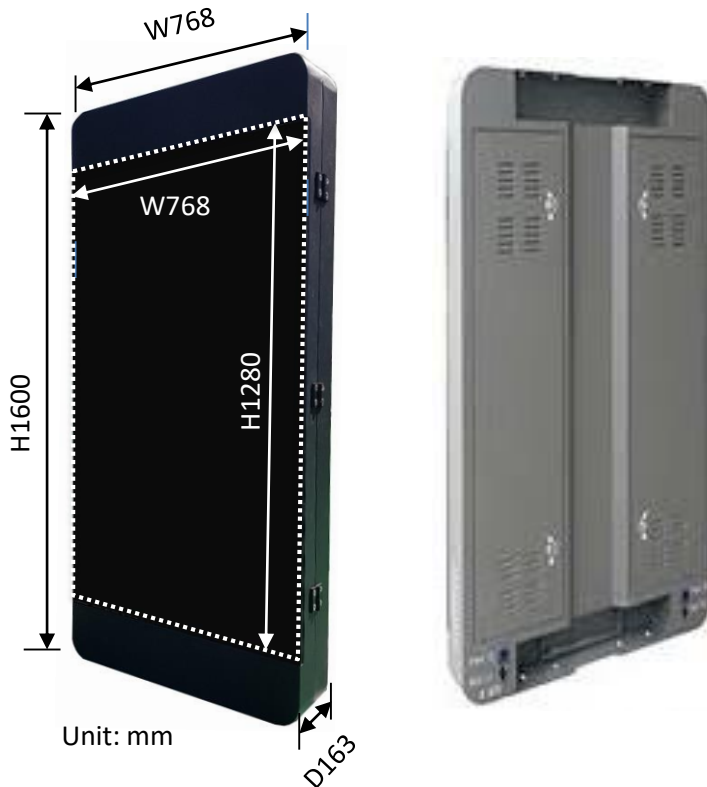


* The specification is subject to change without prior notice

< Application >

7. Others - LED Display

Compact size of LED Display



1) Application

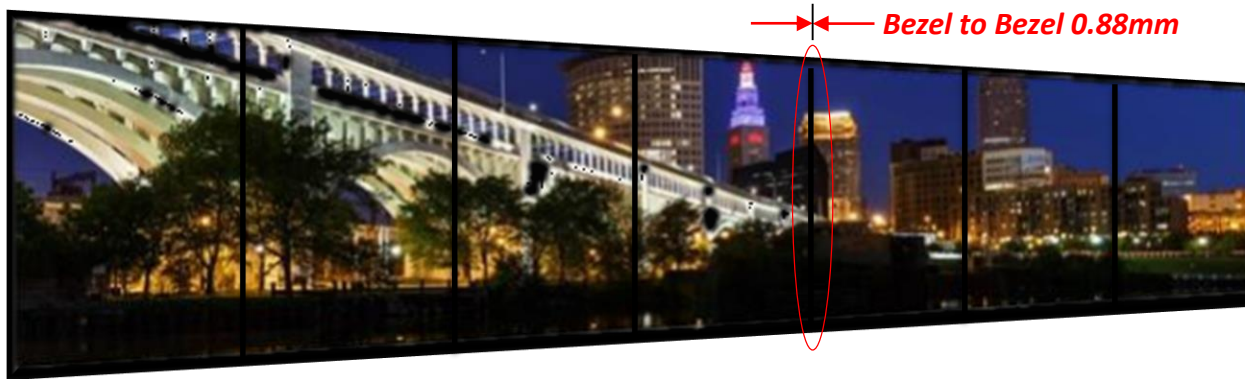
- Outdoor LED Advertising Screen

2) Features

- High Definition : 4mm pixel pitch
- IP65 for Outdoor Purpose
- Remote Control by CMS (Contents Management System)
- Synchronous Playback
- Optimum Size for Hanging on Street Light Pole

7. Others - Videowall

0.88mm Ultra Narrow Bezel + Powerful Board + Easy Software



1) Feature

- 0.88mm Ultra Narrow Bezel
- Uniformity of color coordinates by Color Calibration S/W
- Easy control – Wall Express S/W
- Automatic Fan operation according to temperature change
- HDR (High Dynamic Range)

2) Options

- SDI signal – Daisy chain
- RS232C control

Why NXO?

- ▶ Since 2002 : Expert experience in the touch screen industry
- ▶ Over 75 countries & 1,500 customers in worldwide
- ▶ Stable, reliable, accurate and durable products
- ▶ Verified and qualified vendor of Major Display Companies
- ▶ Powerful options fit for customer's demand
- ▶ From core to the complete products, full line-up

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