



ZEMSO ELECTRON

ZEMSO GROUP

SMART CITY PUBLIC FACILITIES HIGH-END CUSTOMIZATION EXPERT

About Us



ZEMSO ELECTRON



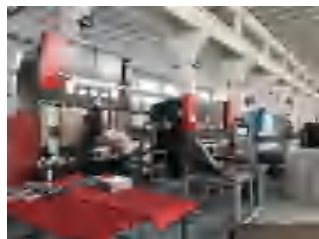
ZEMSO GROUP established in 2007 with 9 subsidiary companies, specialized in development, production, sales and service of intelligent bus station display system. Today we have over 200 team members and among them 75 are engineers and technicians. Our products including custom bus shelter, light box, outdoor LCD&LED digital signage, outdoor E-paper display, smart shelters, kiosks, outdoor self-service products, hardware and software development, etc. Zemso's LED control, LCD control, wireless data communication hardware and software are widely used in the intelligent traffic field, power supply field and multi-media information publish field. Constant research in software, electronic and designs has lead us to become a leader in intelligent transportation system and display technologies. We continually innovation to provide customers the latest one-stop solutions.

Production Base: **Shanghai**

For smart bus shelters



ZEMSO ELECTRON



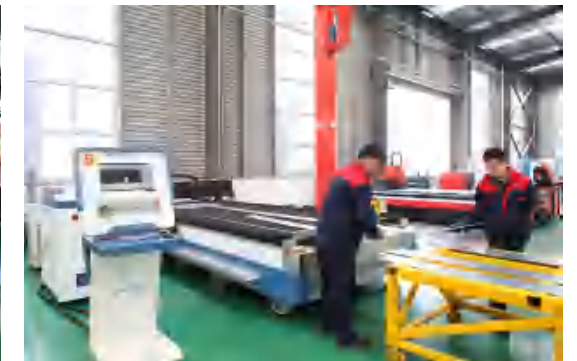
ZEMSO GROUP

Production Base: **Jiangsu**

For smart bus shelters



ZEMSO ELECTRON

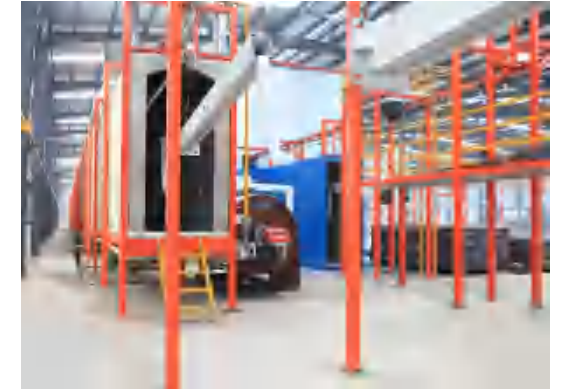


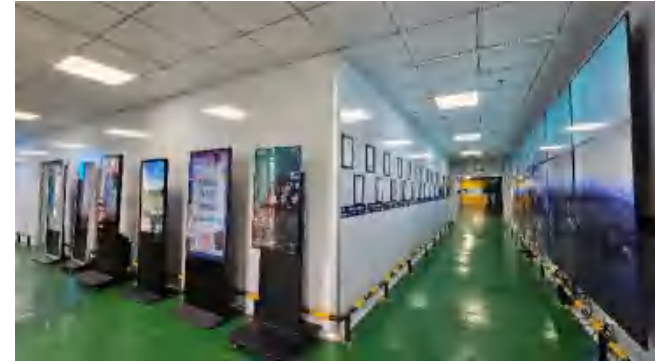
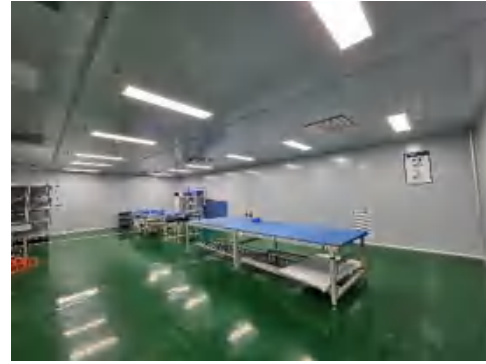
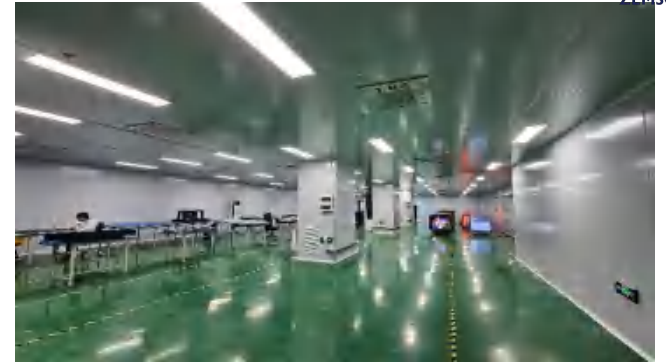
Production Base: **Jiangsu**

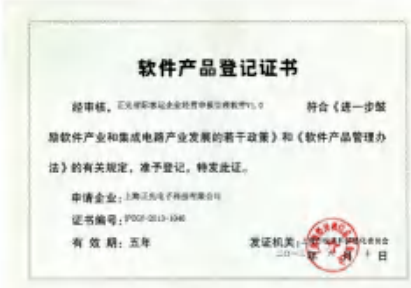
For smart bus shelters



ZEMSO ELECTRON









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Certificates



CE



RoHS



ISO9001



CB&IEC

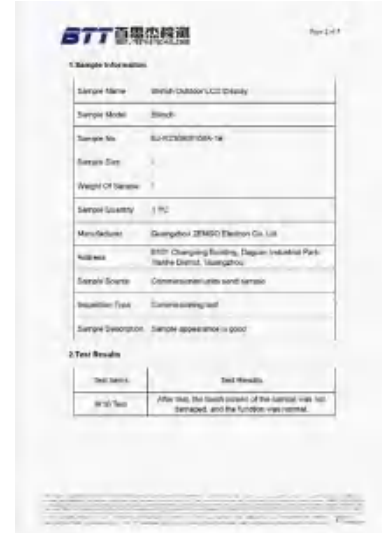


FCC

Certificates



IP65



IK10



Temp. Test



CFCC

PRODUCTS

High-end Design

Digital business integrated service platform
Bus ETA system
Dynamic light box
Battery charge and discharge management function
LED content management system
LED scrolling light box

Automated sales service platform

Solar system

Intelligent sharing service platform

Mobile phone charging

Self-service convenient intelligent terminal platform

Face recognition

Failure report system

Temperature control heat dissipation function

Mobile terminal APP shelter steward

Access control alarm function

WiFi function

Power failure alarm function

TTS announcement function

Full state fault detection function

Passenger complaint and alarm function

Glass breakage alarm function

NFC payment function

LCD content management system

Video monitoring function

Display brightness 3000nits

Automatic dehumidification function



High-end Design



65 inch LCD screen for advertising and bus ETA information

01

LED lights

02

37 inch LCD screen for advertising, bus information, train and flight information

03

04

Light box

05

LED screen/
Light box

11

Bicycle shelter

10

Vending machine

09

65 inch LCD screen for information search and public information

08

Shared charging

07

Bus route with paper or E-paper display

06

Waiting seat, can automatically identify the temperature for heating



High-end Design



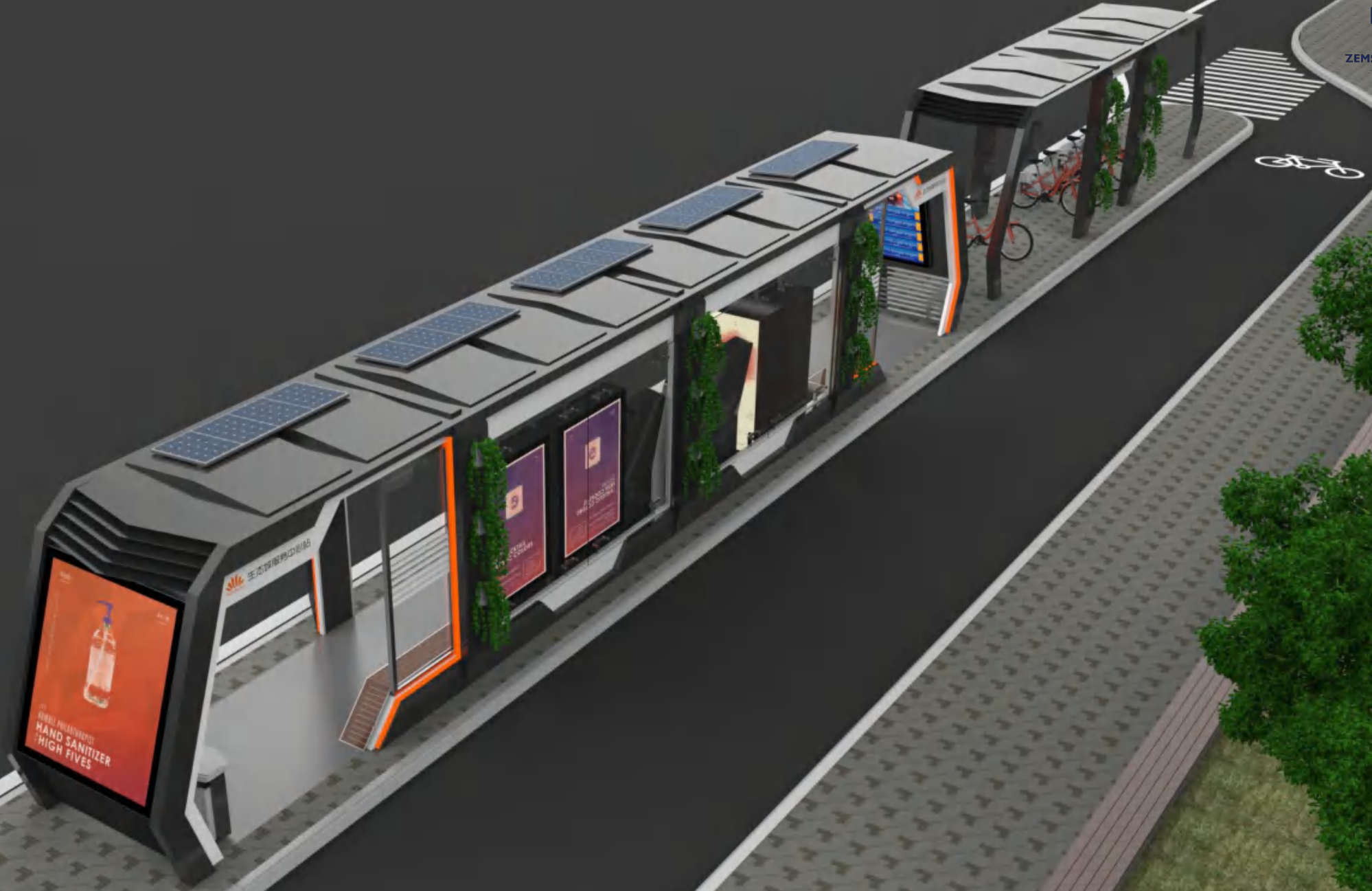
ZEMSO ELECTRON



生态城服务中心

BS-TJ

High-end Design



High-end Design



ZEMSO ELECTRON



BS-TJ



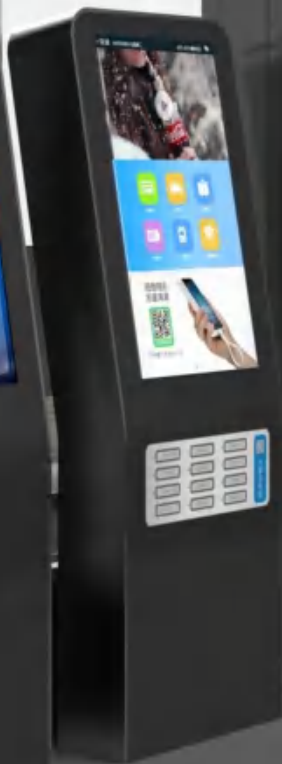
A vending machine with multiple shelves. The top shelf displays bags of snacks including 'MUNCHIES', 'Chio Tortillas', and 'SWEET POTATO'. The middle shelves are filled with various bottled and canned beverages. The bottom shelf shows more snack options like 'CRUNCH' and 'M&M's'.



A vending machine featuring a large digital advertisement for 'Chio Tortillas' on its front panel. The ad shows a bag of tortillas with a red and yellow color scheme.



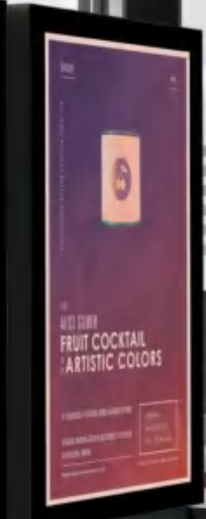
An interactive touch screen kiosk displaying a user interface. The screen shows a clock at 13:50, the date 2017年10月06日 (October 6, 2017), and weather information for 59°C-25°C. The interface includes several colorful icons for different services or products.



An interactive touch screen kiosk with a keypad at the bottom. The screen displays a product image and some text, possibly for a menu or information display.



A vertical digital display showing a list of text, possibly a menu or schedule. The text is organized in columns and includes numbers like 31楼, 66楼, 18楼, 5楼, 13楼, 1楼, 27楼, 81楼, 31楼, and 66楼.



A vertical digital display showing an advertisement for 'HOT SUMMER FRUIT COCKTAIL ARTISTIC COLORS'. The ad features a purple background and a central image of a drink.



A vertical digital display showing an advertisement with a blue and white color scheme. The text is partially visible but mostly obscured by the angle.

Stylish Design



Stylish Design



ZEMSO ELECTRON

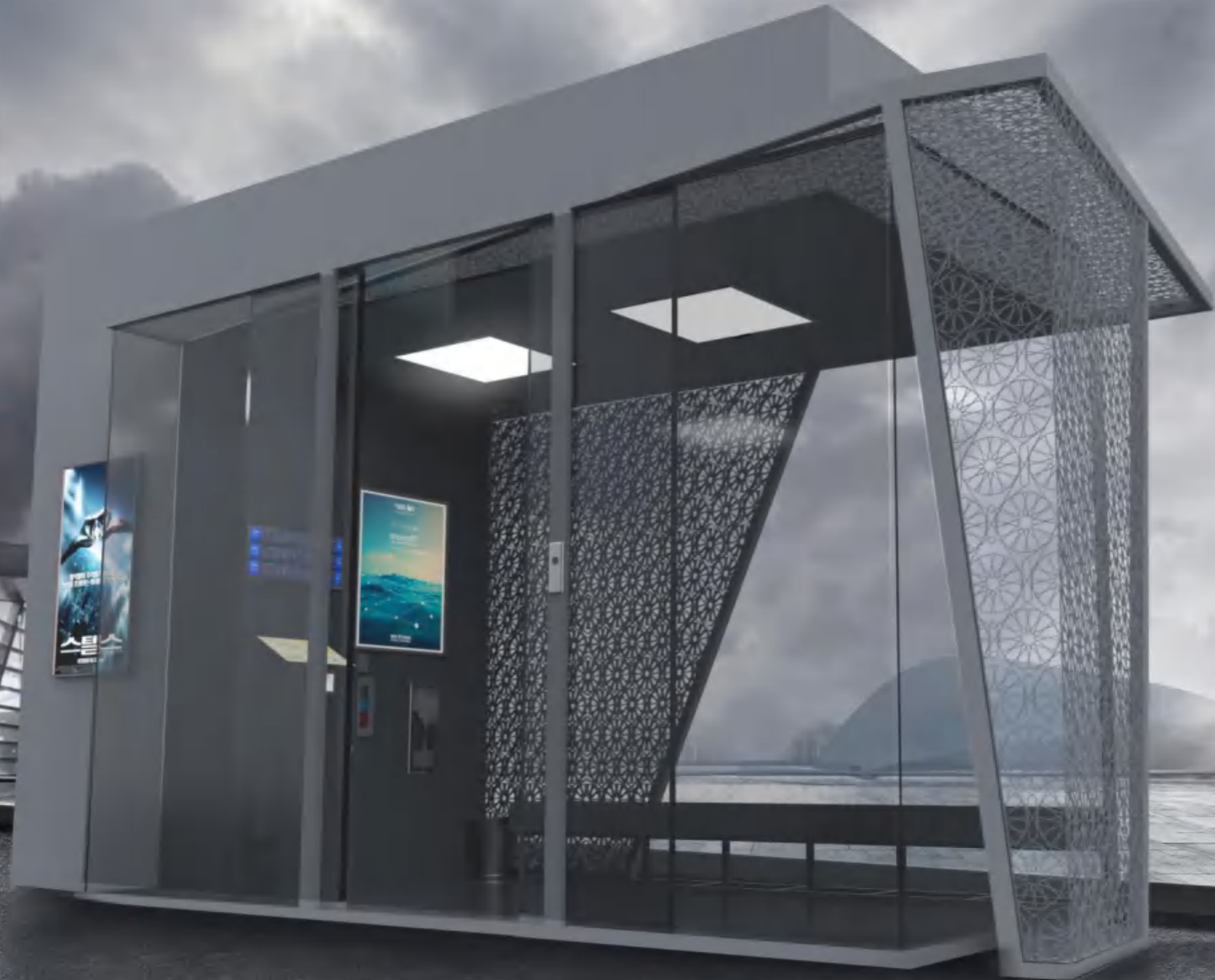


BS-QA

Stylish Design



ZEMSO ELECTRON

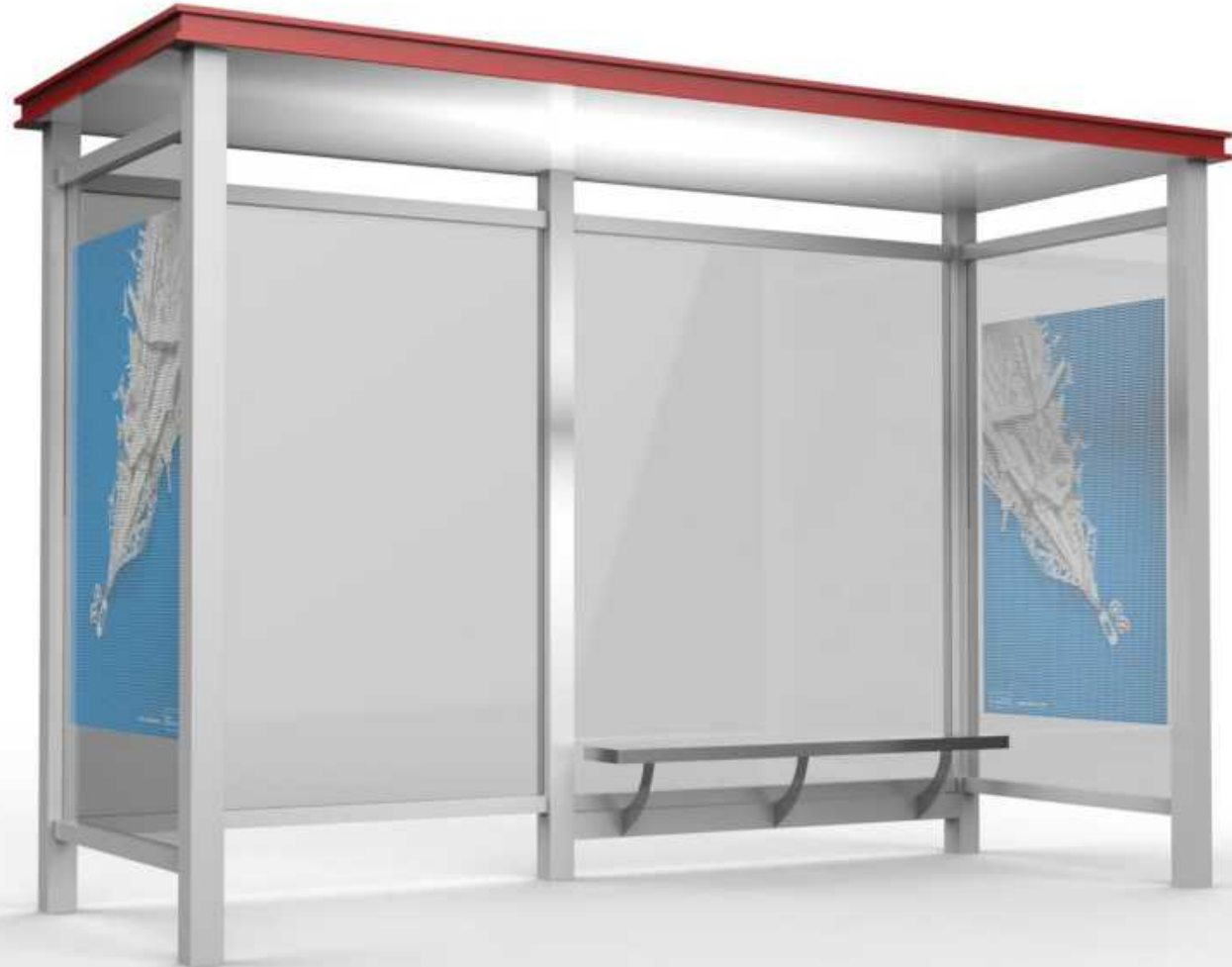


BS-QA

Simple Design



Simple Design



Simple Design





Standard Design



Standard Design



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BS-CN

Bus shelter integrated management platform

01

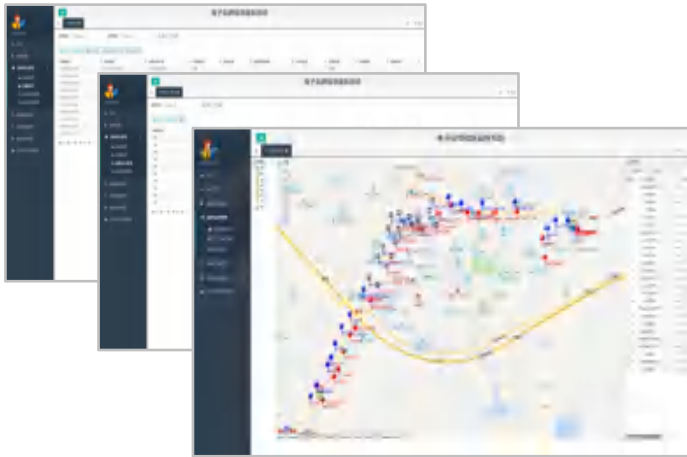
Bus shelter ETA system

02

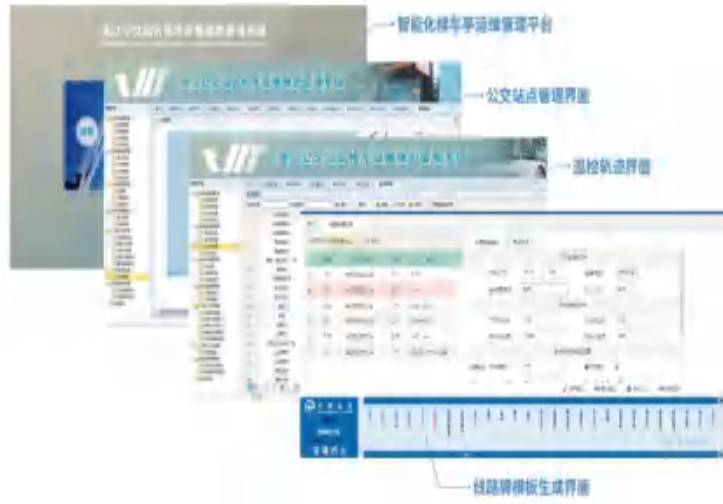
Smart bus shelter integrated management software

03

Mobile APP software



System interface



System interface



APP interface

Bus shelter maintenance management platform

01

Bus shelter maintenance management software



System architecture



System interface

02

Mobile maintenance management APP



APP interface

Professional information interaction interface



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Today's temperature: 24 ~25, Dongfeng Class 2, the current temp

13:50
2019-01-10

Route	Due in
K89	5 min
76	3 min
86	ARR
120	1 min
137	5 min

Interactive Kiosk
RTA

Journey Planner | i-stop service desk | Happiness Meter

Route	Time	Time	Time	Time	Time
130	15	15	20	15	15
	25	20	15	12	15
	15	15	20	12	15

Route	Time	Time	Time	Time	Time
31	35	30	30	30	30
	60	60	50	30	25
	35	30	30	30	25

Route	Time	Time	Time	Time	Time
64	11	15	10	11	11
	20	15	10	11	9
	11	15	15	10	11

Today's temperature: 24 ~25, Dongfeng Class 2, the current temp

13:50
2019-01-10

Route	Due in
K89	5 min
76	3 min
86	ARR
120	1 min
137	5 min
E9	4 min

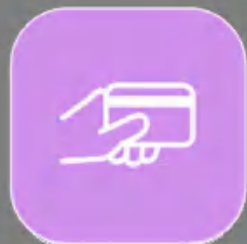
Al Aweer Bus Depot

Route	Due in	ETA	Delay
7	7 min	13:29:30	00:03:30
76	2 min	13:29:30	00:03:30
K5	ARR	13:29:30	00:03:30
102	1 min	13:29:30	00:03:30
160	5 min	13:29:30	00:03:30
176	6 min	13:29:30	00:03:30

Intelligent information interaction function



Public transport information



Citizen card service



Bus station query



E-government interaction



Integrated information platform



Party's journal



People's Daily



Ticketing platform



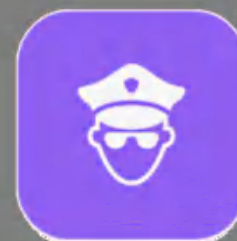
Aircraft information query



Train information inquiry



Electronic publications



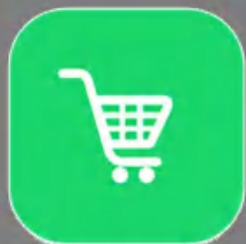
110



120



119



Shopping



Cate



Travel



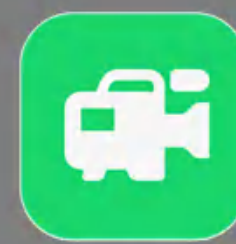
The hotel



City information release



Charity care



Media Focus



Smart Bus Stop Proposal



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站名区域

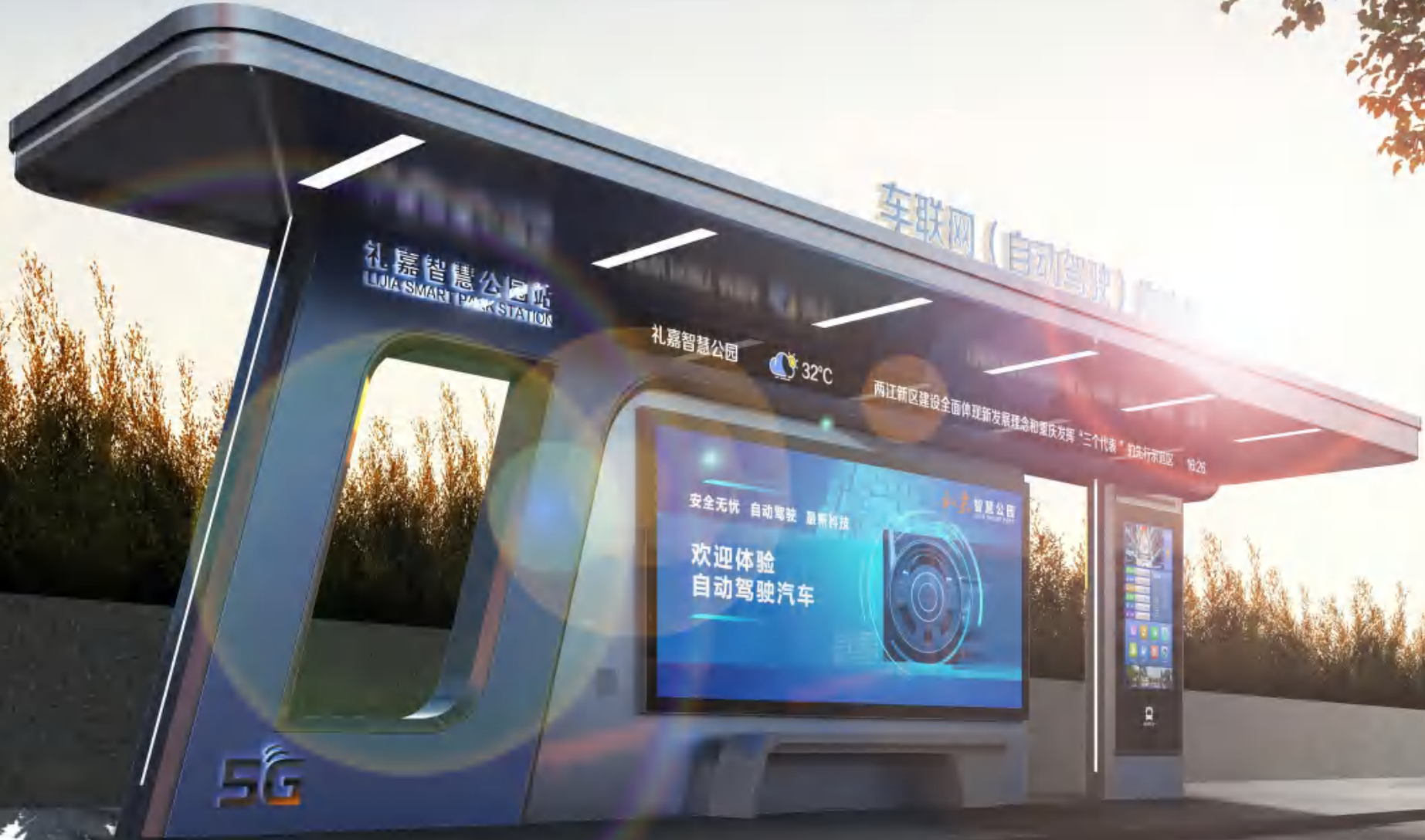
车辆即将进站!

Smart
City
Life

Smart City
Life



ZEMCO ELECTRON



礼嘉智慧公园站
LUJIA SMART PARK STATION

礼嘉智慧公园

32°C

车联网 (自动驾驶)

两江新区建设全面体现新发展理念和重庆发挥“三个代表”示范作用

安全无忧 自动驾驶 最新科技

欢迎体验
自动驾驶汽车

5G





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恒通公交集团
HTPT GROUP





ZEMSO ELECTRON

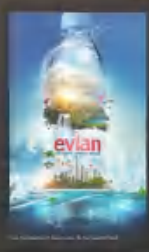


PORT AREA 32°C

CHINA (SHANGHAI) PILOT FREE TRADE ZONE

站名区域

STATION NAME AREA





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国家富强 民族兴荣

人民广场
RENMIN SQUARE

感知性 — 学习性 — 交互性 — 自主性

视界^{3D}
不止眼前



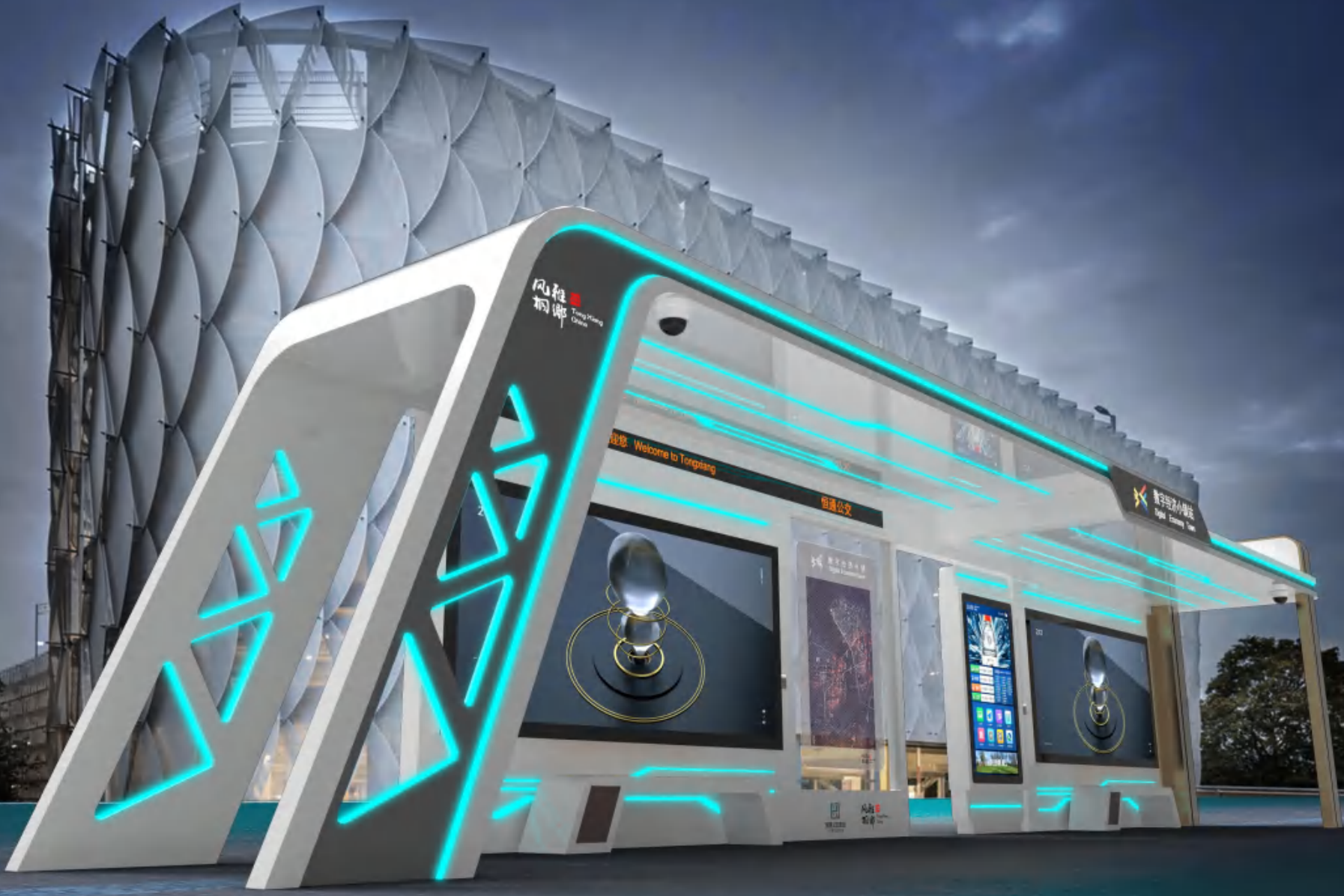
360°
虚拟视觉
Virtual Reality

People's Square
Public Parking
Enter →
Welcome to People's Square
Business vehicles

TORONTO
DOWNTOWN
CENTRE
MARK
SQUARE



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凤栖桐乡
Tongxiang China

欢迎您 Welcome to Tongxiang

恒通公文

数字阅读小驿站
Digital Reading Kiosk

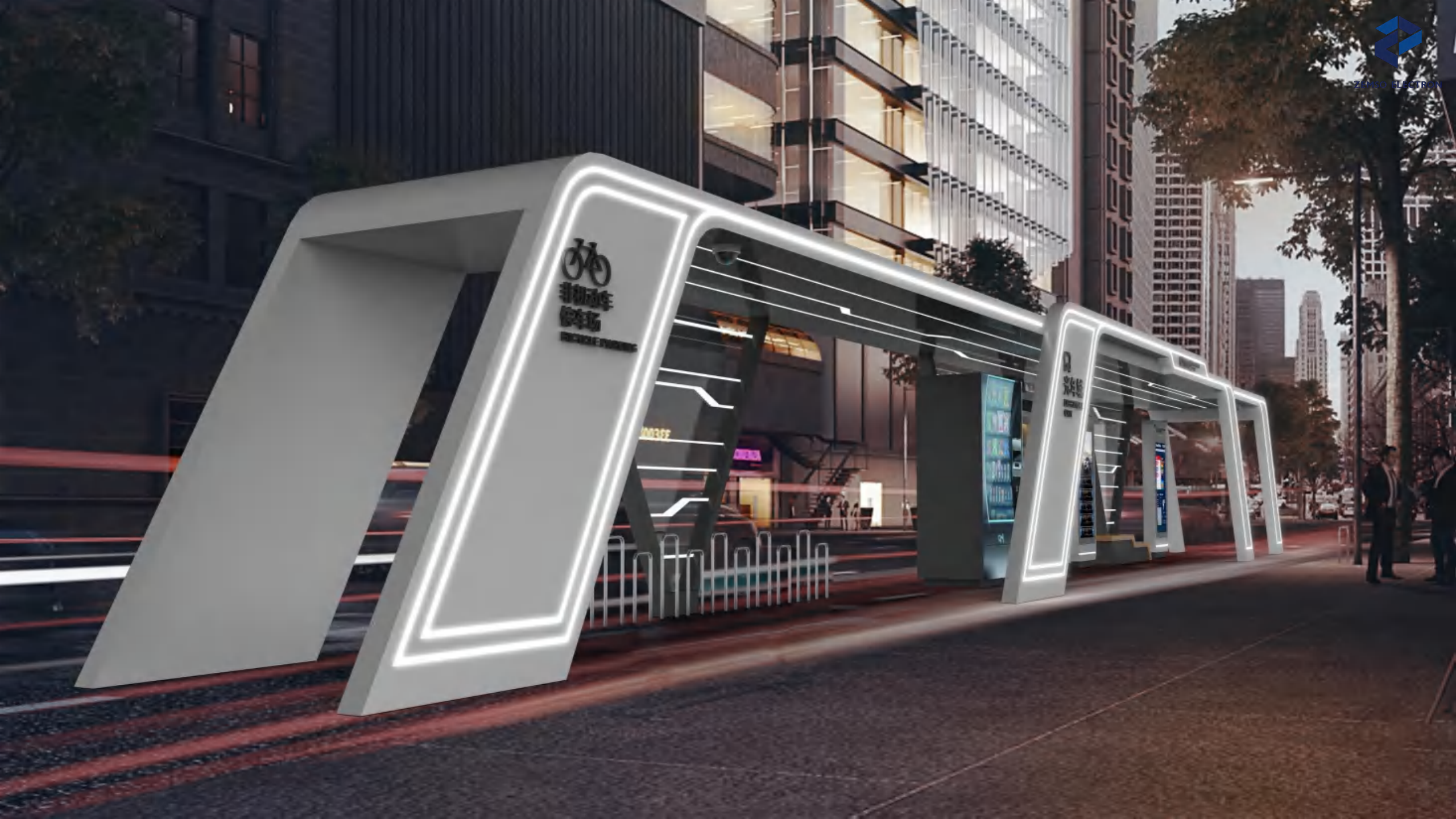
桐乡市档案馆
Tongxiang City Archives

桐乡市档案馆
Tongxiang City Archives

凤栖桐乡
Tongxiang China



ZAMCO ELECTRON





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文化艺术中心站

触控查询屏

The touchscreen interface displays a scenic background image of a road. At the top right, it shows the time 13:50 and weather icons. Below this, there is a list of bus routes with their respective icons and numbers: K284, K89, 284, 152, 34, and 106. The route K163 is highlighted in green. At the bottom, there are several colorful icons representing different services or features. The bottom of the screen features a logo with the text "风行 购" and "Tongxing".

智能公交站牌

The smart bus stop display interface shows a grid of bus route icons at the top, including 168, 154, K16, 178, K284, 78, K16, 102, 148, 154, K16, and 178. Below the grid, there are detailed sections for specific bus routes: K284, 78, K163, K102, 25, and 73. Each section contains a list of bus arrival and departure times.



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便民服务站

站点名称

今天天气晴朗, 气温在18-20°C





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便民服务站

设备故障



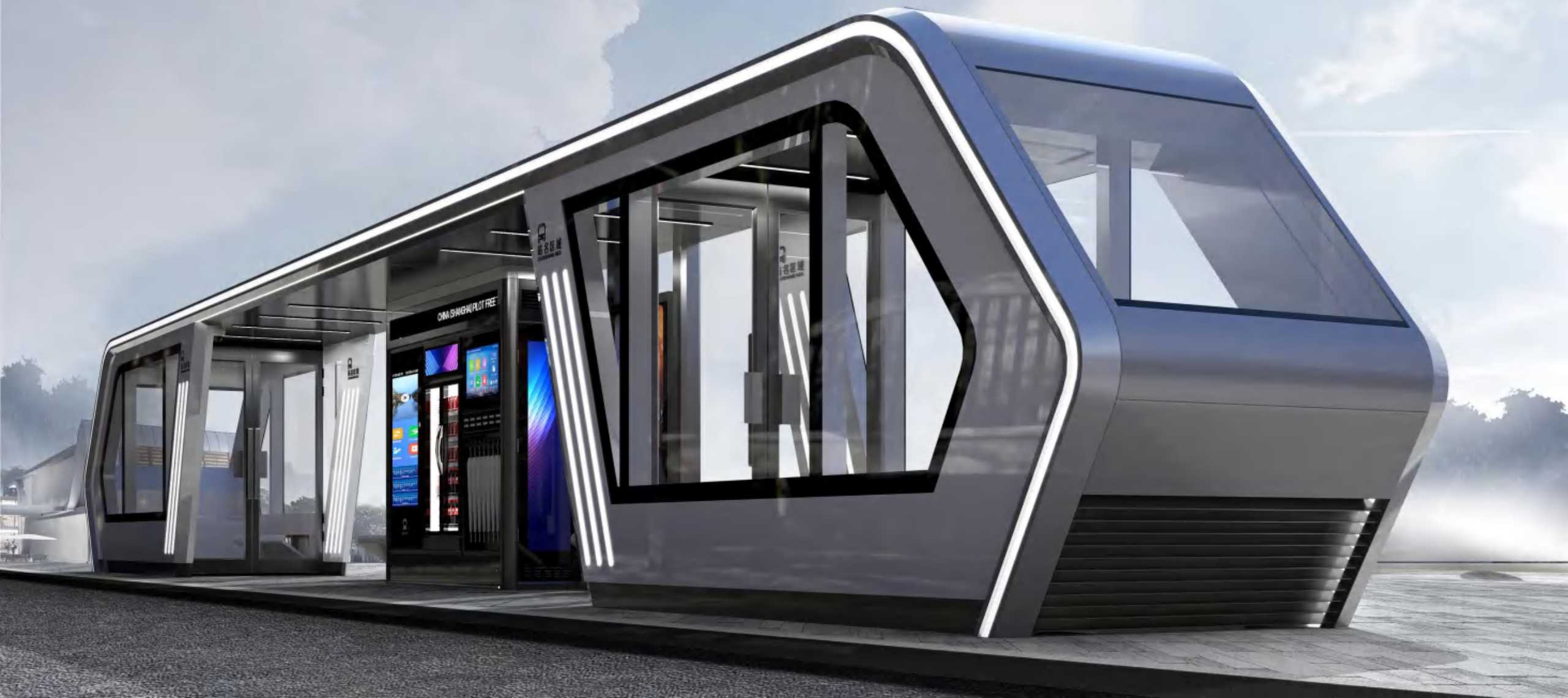
5A.11 2012

Phonons

Phonons & Augustin Saha



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台州公交
TZPT

车辆即将到站! 请上车的乘客

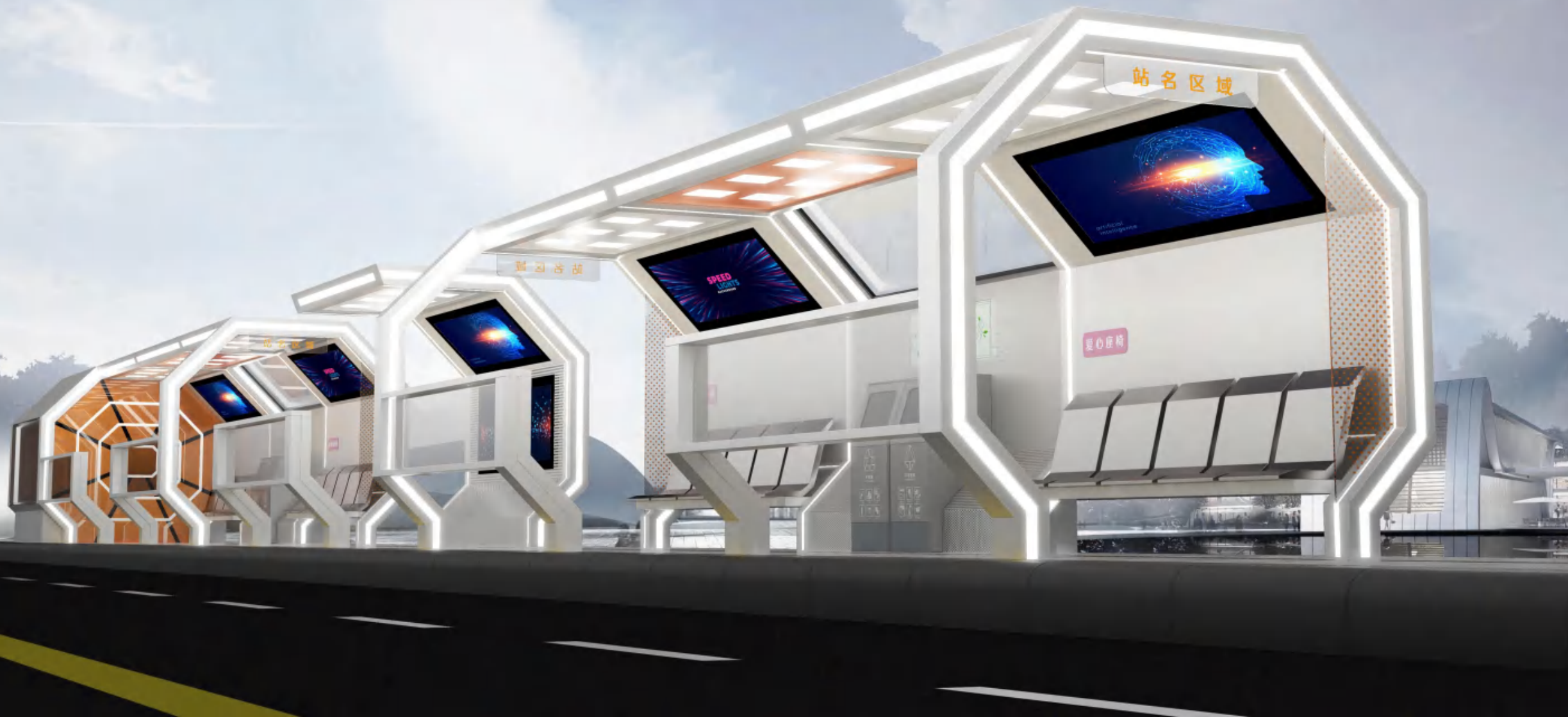


台州公交



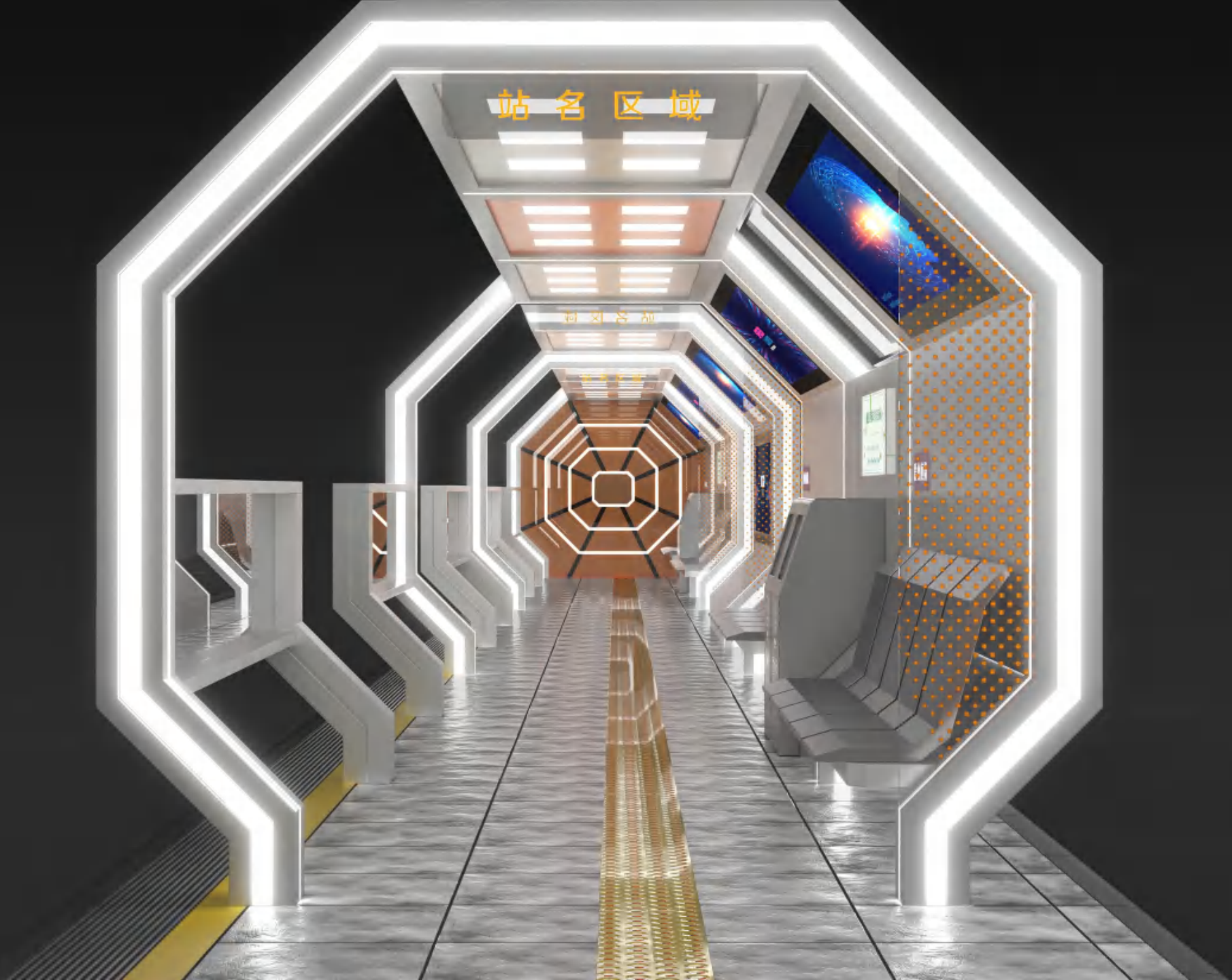


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中环南路中南大厦

MR

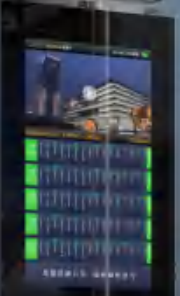
Advertisement text on the bus stop display, including the word "Advertisement" and some illegible text.



ZENGO ELECTRON



站名区域
STATION NAME AREA



WILLKENT
BUS SHELTER

站名区域 32°C



奋斗百年路启航新征程 16:26

站名区域
STATION NAME AREA



WILLKENT
BUS SHELTER

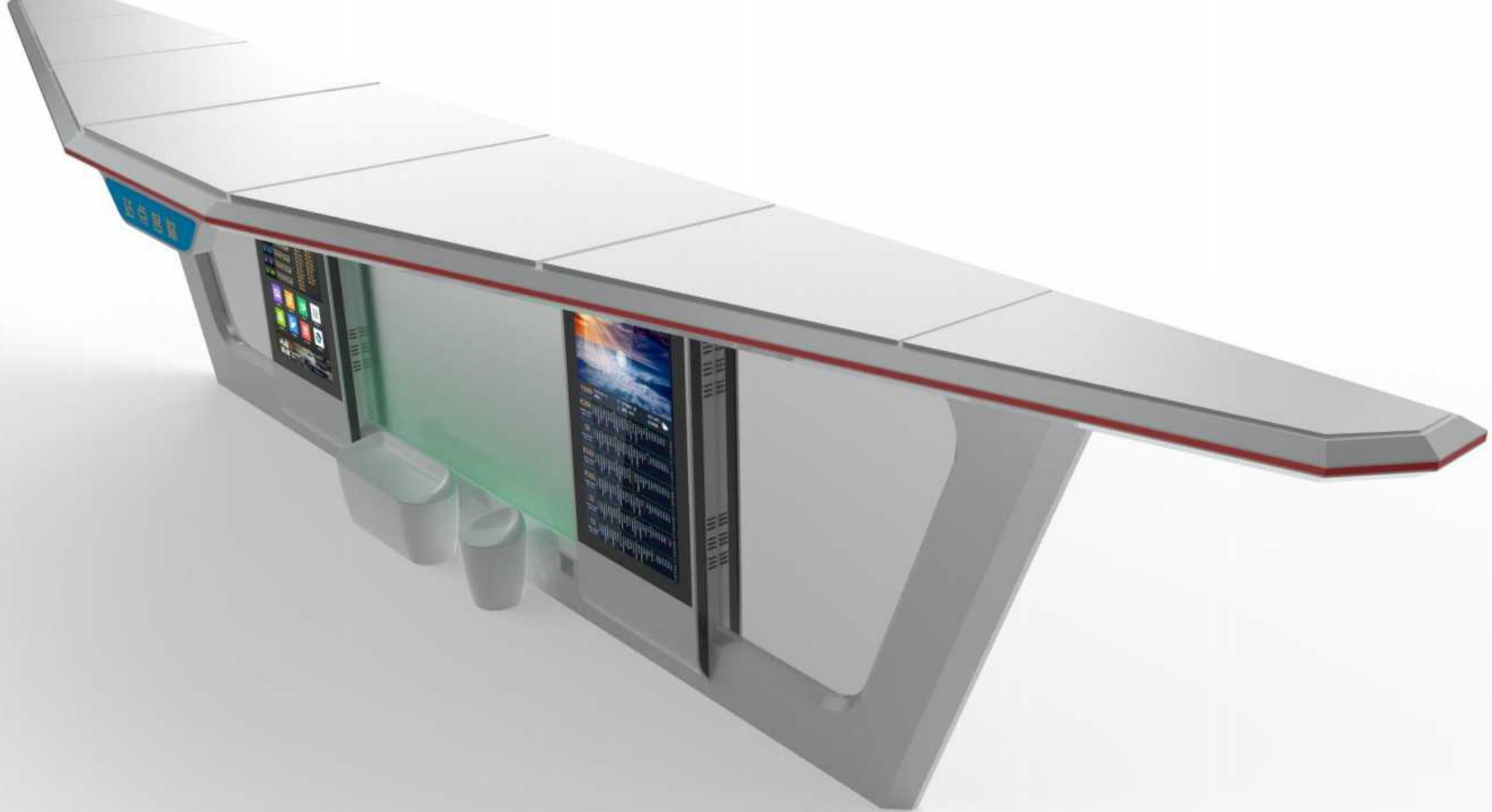


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ZEMSO ELECTRON





ZEMSO ELECTRON



站名区域
STATION NAME AREA

站名区域
STATION NAME AREA

创建文明城市

创建
文明



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石函子

石函子

嘉兴乌镇
那是历史的长河, 是中国的瑰宝

嘉兴乌镇
那是历史的长河, 是中国的瑰宝

嘉兴乌镇
那是历史的长河, 是中国的瑰宝

鸟



ZEMSO ELECTRON





乌镇东栅



乌镇东栅





ZEMSO ELECTRON





ZEMSO ELECTRON



面对世界范围

黄龙溪古镇

黄龙溪古镇

面对世界范围



ZEMSO ELECTRON



车到即停即站！请上车的乘客

人民广场

车到即停即站！请上车的乘客



ZEMSO ELECTRON





站



ZEMSO ELECTRON



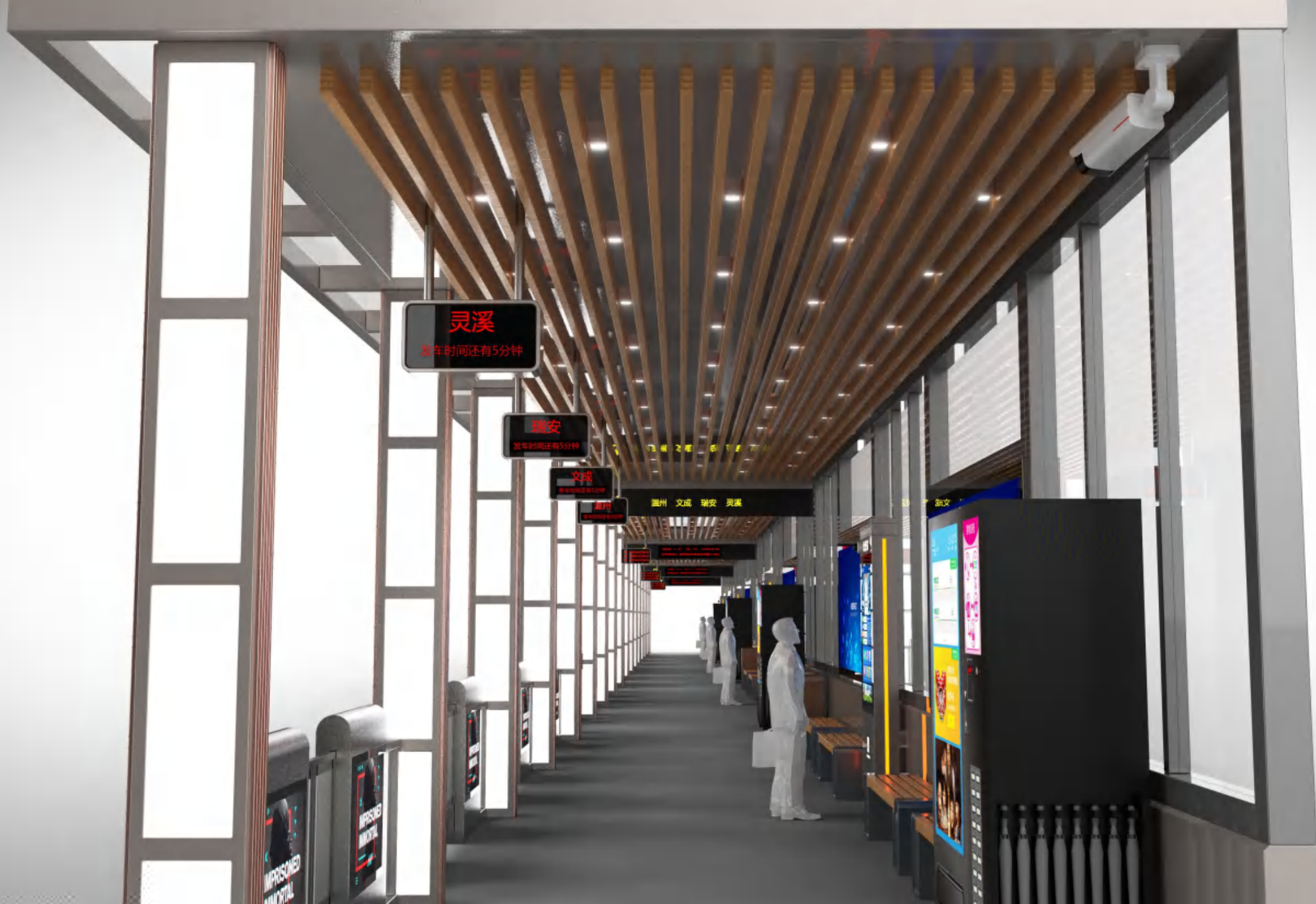


ZEMSO ELECTRON





ZEMSO ELECTRON



灵溪

发车时间还有5分钟

瑞安

发车时间还有5分钟

文成

发车时间还有5分钟

温州 文成 瑞安 灵溪

温州

温州

IMPROVED
DIGITAL

IMPROVED
DIGITAL

IMPROVED
DIGITAL



ZEMSO ELECTRON





ZENGO ELECTRON

沈抚新区ART





ZEMSO ELECTRON

智能网联BRT





ZEMSO ELECTRON





ZEMSO ELECTRON





ZEMSO ELECTRON





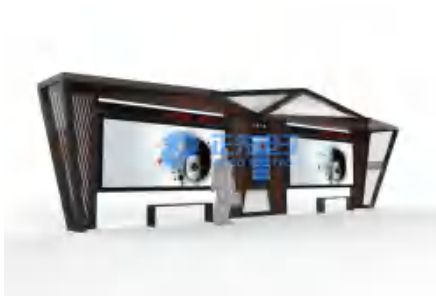
ZEMSO ELECTRON

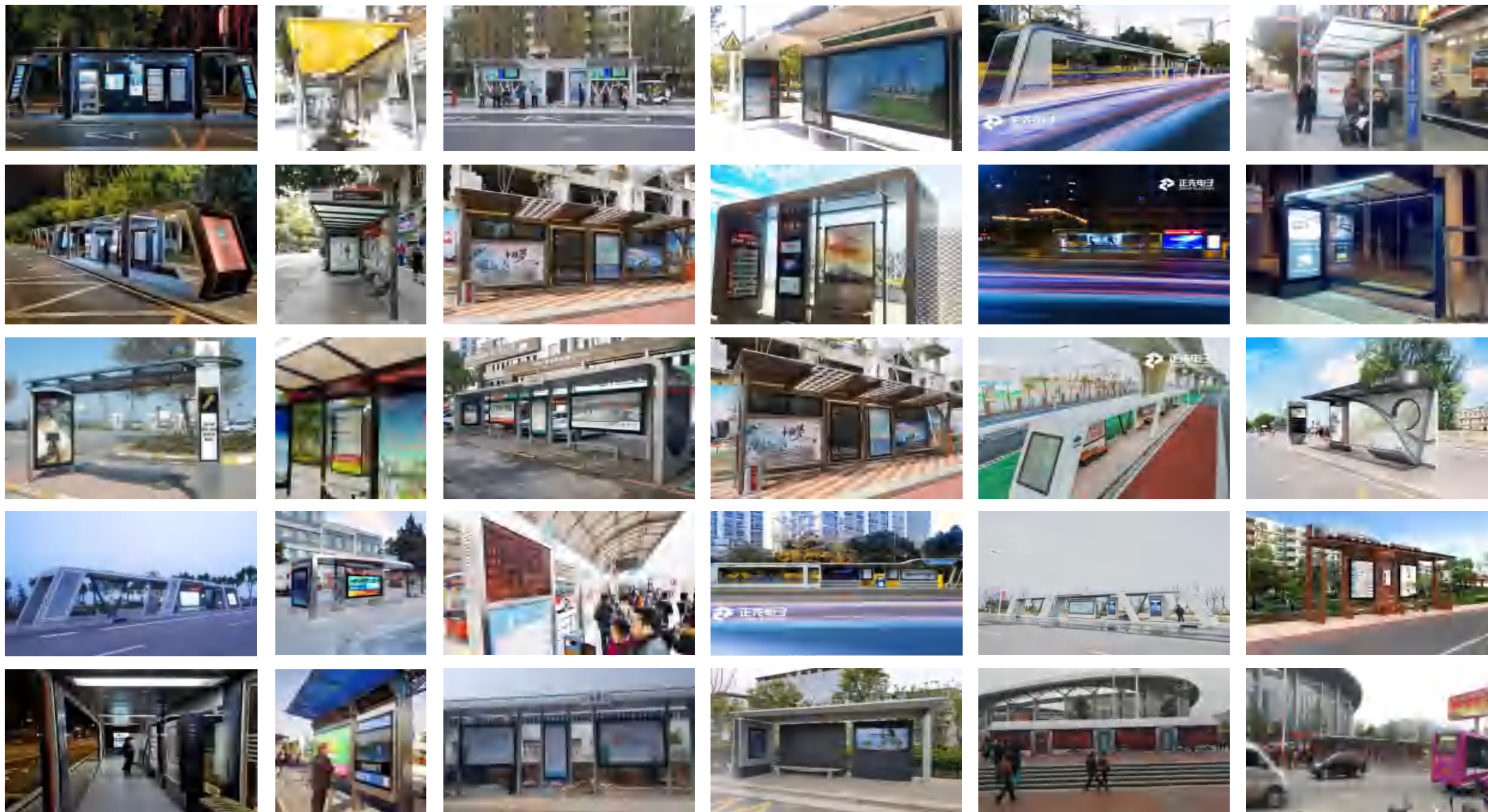




ZEMSO ELECTRON







OUTDOOR

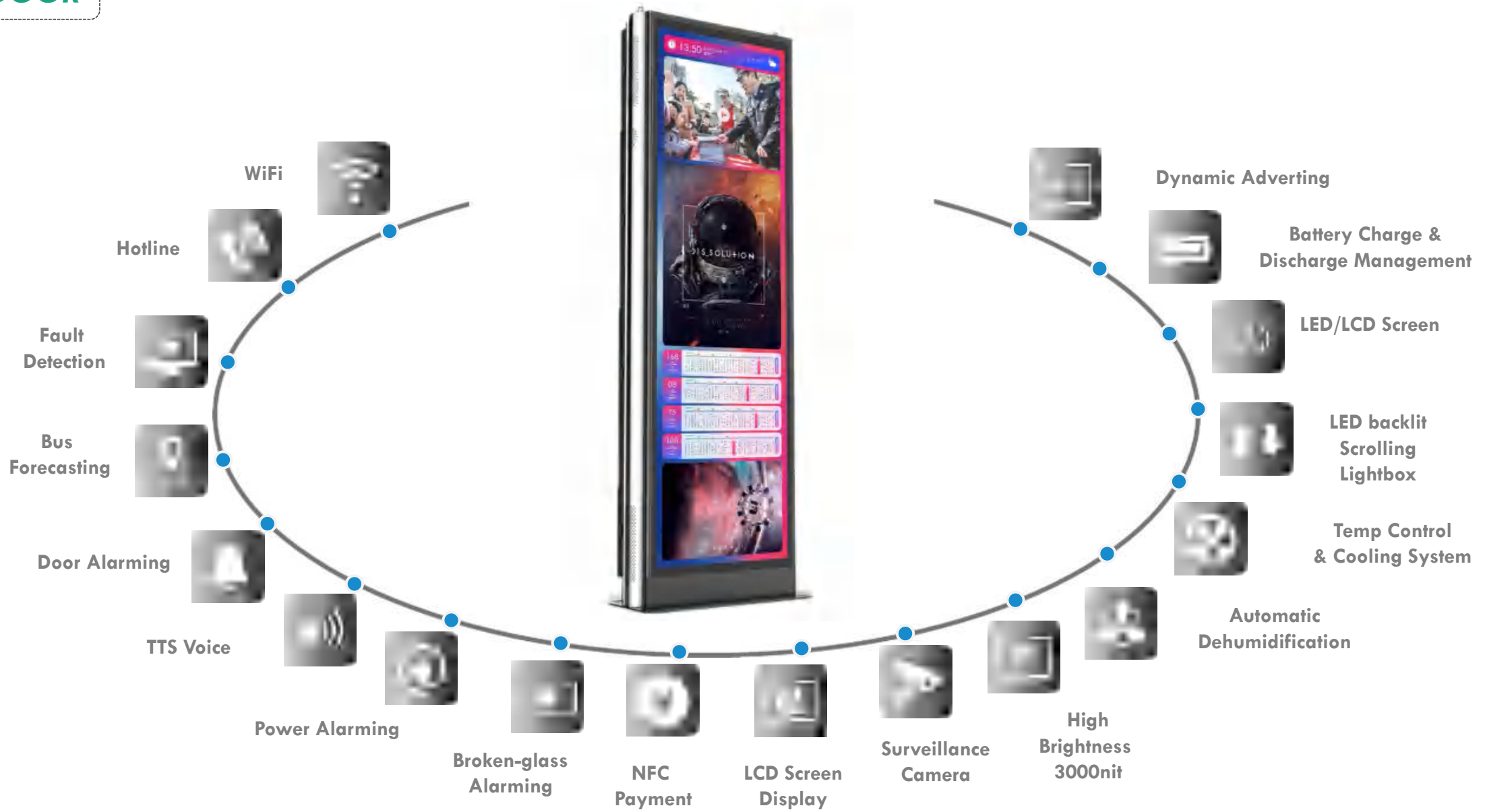


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Smart Bus Stop Digital Signage



BS-FS



OUTDOOR



1 Date&Weather info

3 Interactive area for information search and advertising

4 Bus route information (Dynamic display)



2 Public Video/Pictures

6 Full screen design

5 Advertising area

OUTDOOR





OUTDOOR

KONZA STATION 

Network Status 10:53:48

Bus

6	Adward	3 mins
13	Adward	1 mins
6	Adward	3 mins

Underground

Adward	3 mins
Adward	1 mins
Adward	3 mins

Cycle line

Adward	3 mins
Adward	1 mins
Adward	3 mins

Weather

9°
Clouds







KONZA
Technoparks



OUTDOOR

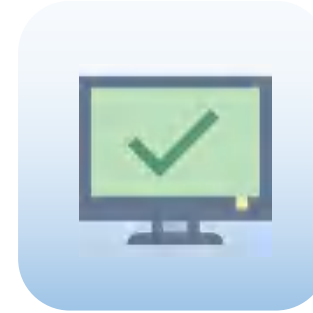




ETA System



**Bus station facility
maintenance
management system**



LCD/LED CMS



**Convenient service
platform**

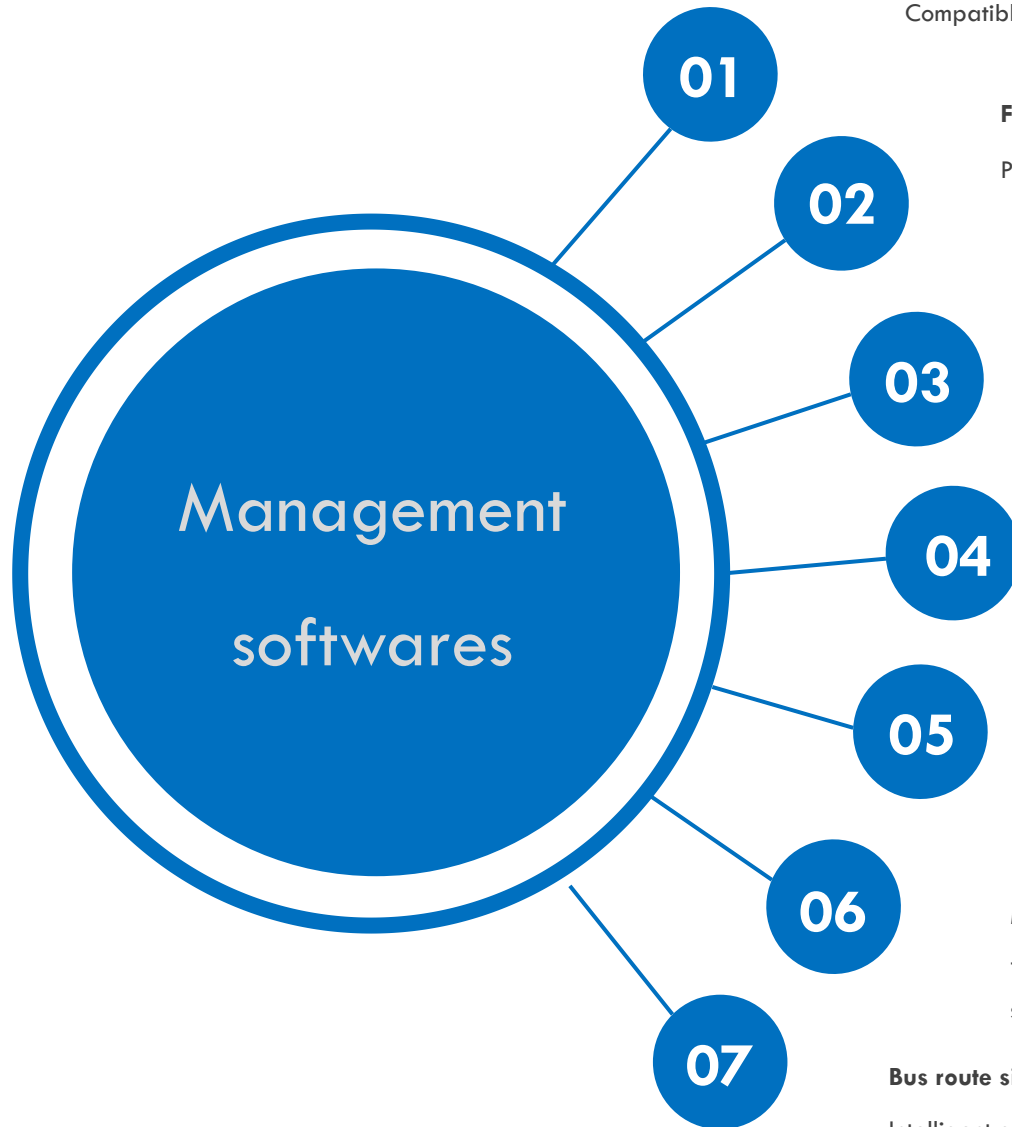


**Real time video
supervision system**



**Operation and
maintenance management
system**

Management softwares



Data collection service software

Compatible with all bus GPS monitoring platform and bus scheduling platform data interface, real-time data collection

Forecast station integrated information management software

Patent prediction station algorithm, operating experience in more than 70 cities, accuracy up to 98%

Health Management Software

It make the running health of the electronic bus stop clearly controlled

Maintain program control software

The professional ERP system for the operation and maintenance of electronic station signs can control the whole process of operation and maintenance, improve the timely rate of operation and maintenance, and ensure the completeness rate of equipment

Bus data monitoring and analysis software

By analyzing the big data of public transportation, finds out the factors that affect the accuracy of the reporting station, improves it, and ensures the accuracy of the reporting station data of the electronic bus stop

Moblie bus platform service software

Through the mobile phone to do bus station declaration data query and electronic station running status monitoring

Bus route sign intelligent generation software

Intelligent generation of bus line signs, and automatic calibration station data corresponding position

LCD Content management system



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The image displays four overlapping screenshots of the LCD Content Management System (CMS) interface, illustrating its various functional areas:

- System Configuration:** The top-left screenshot shows the 'LCD信息综合管理系统' (LCD Information Comprehensive Management System) with a sidebar for 'LCD子系统' (LCD Subsystem) and a main area for configuring system parameters.
- Content List:** The middle-left screenshot shows a table listing content items with columns for '名称' (Name), '创建时间' (Creation Time), '操作' (Action), and '状态' (Status).
- Content Editor:** The middle-right screenshot shows a detailed view for editing content, including a '标题' (Title) field, '内容' (Content) area, and '发布' (Publish) button.
- Content Preview:** The bottom-right screenshot shows a grid of content items with various images and text, including a prominent '传承新生' (Inheritance and Renewal) banner.

Mobile APP



Smart Monitoring system

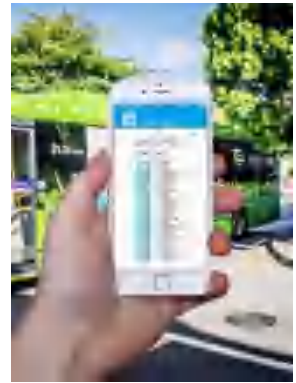


ZEMSO ELECTRON

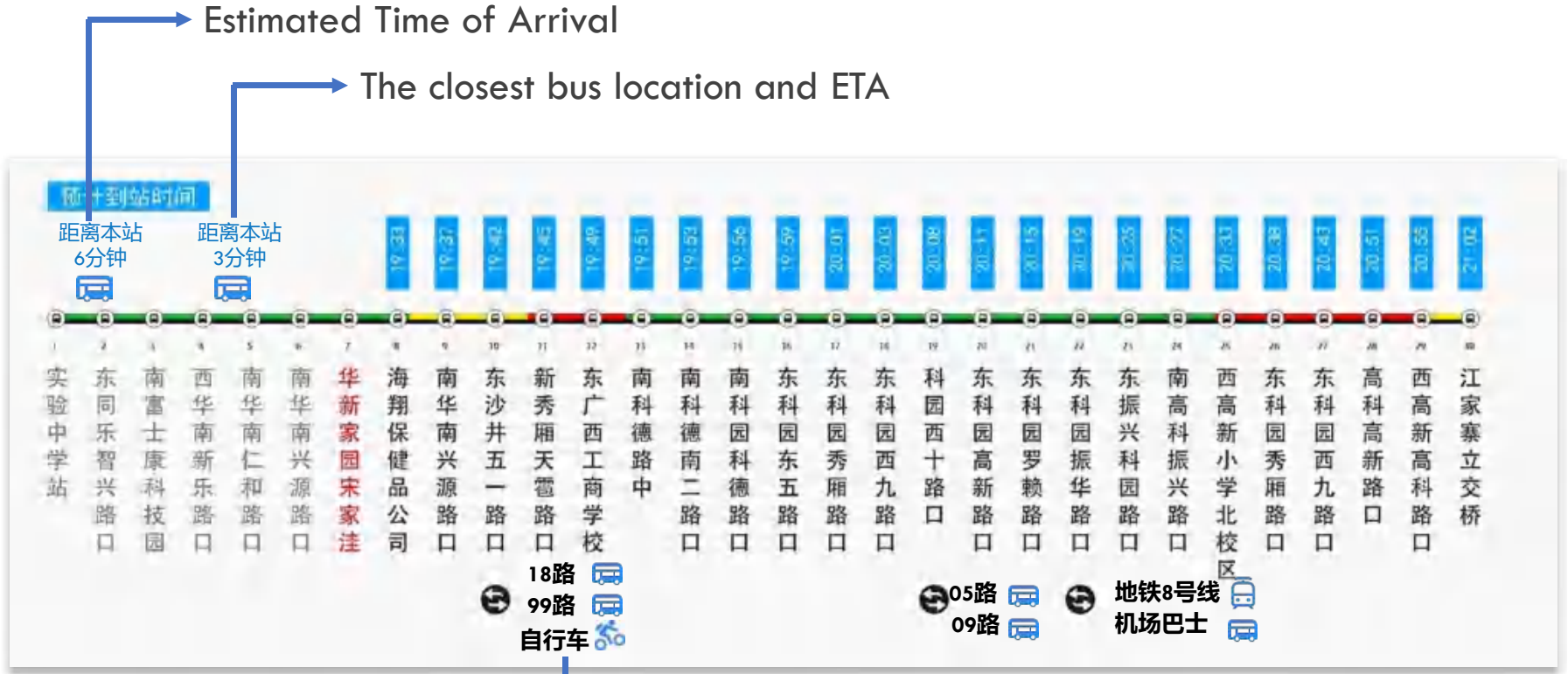


Bus Forecasting Information

Showing real-time information of bus time of arrival with voice broadcasting.



Mobile Device APP

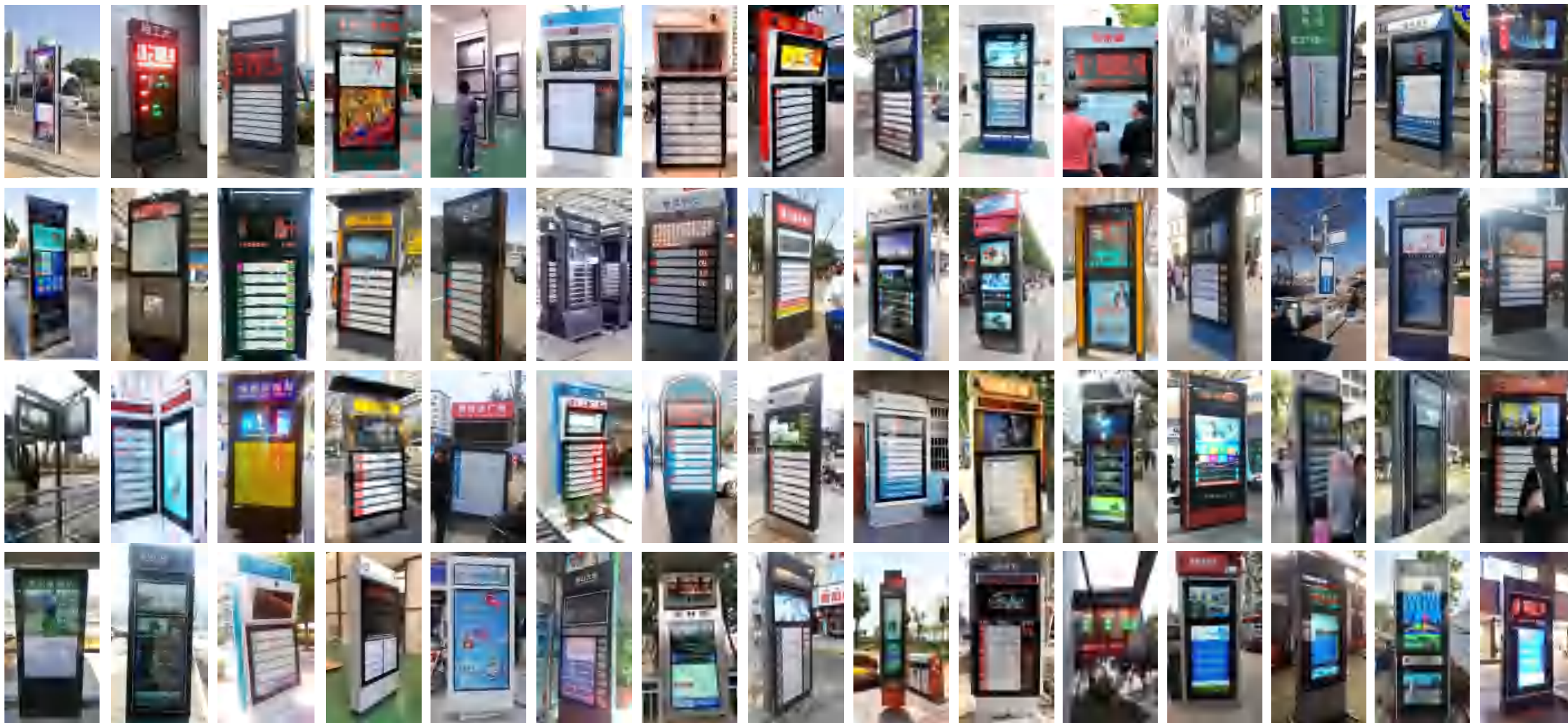


Interchange

Real-time Bus Road Traffic Condition







OUTDOOR



ZEMSO ELECTRON

Outdoor *Fanless* Display



Fanless Design

FLA 2.0

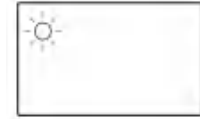
OUTDOOR



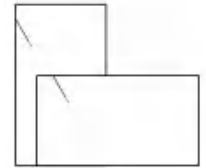
ZEMSO ELECTRON



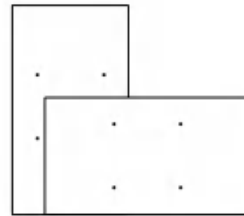
Optical Bonding



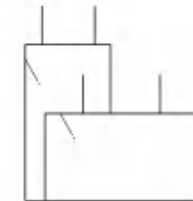
3000nits



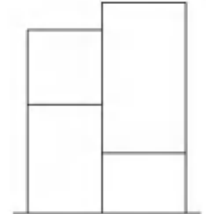
Portrait & landscape



Wall mounted



Ceiling type



Floor type

32-86 inch

OUTDOOR*Fanless Display Spec.***FLA 2.0**

ZEMSO ELECTRON

Case	Material	All aluminum
	Surface treatment	Powder coated
	Front panel	6mm AR glass optical bonding
	Thickness	90mm
	Bezel	36mm, Equal sides
	IP rating	IP65
Panel	LCD panel	LG/BOE/AUO, wide temperature
	Brightnes (cd/m ²)	3000
	Contrast ratio	3000:1
	View angle	178 (H/V)
	Response time	6ms
	Brightness adjustable	Auto-light sensor
	Operation system	Android 8.1 (Windows optional)
Electrical	CPU	ARM A53×4, 1.5Ghz
	DDR size	2G
	EMMC flash	8G (16G optional)
	Ports	HDMI input×3, USB input×2, Power×1

Power Supply	Input Voltage	AC100-240V, ±10% 50/60Hz
	Power consumption	TBD
Security & Protection	Power Supply Protection	Leakage, over-load, over-voltage protection
	Lightning protection	With lightning protection
	Explosion protection of interface	Protection for while reverse connection of the power cause the short-circuit or burn out the device
	OSD rotation	Yes
Functions	USB play	Autoplay
	Timing switcher	Yes
	Language	English, Japanese, French, Portuguese etc.
	Input signal switching	Yes
	Storage temperature	-20°C~80°C
Operation environment	Operation temperature	-20°C~80°C
	Operation humidity	5%~98%
Certificate	Including	CE, ROHS, FCC, CB, IK10, IP65
Lifetime	Lifetime	80000H
MTBF	MTBF	60000H

*The motherboard can be modified according to needs***FLA 2.0**

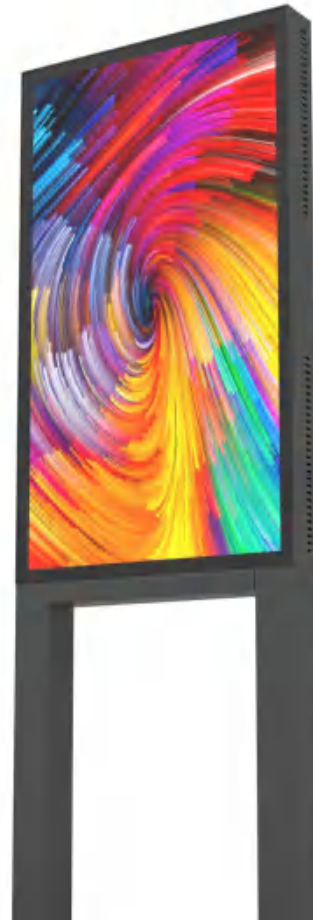
OUTDOOR



ZEMSO ELECTRON



Wall mount/Embedded



Floor stand-Portrait



Floor stand-Landscape

OUTDOOR

Outdoor Stretched Display

Fanless Design





Case	Material	All aluminum
	Surface treatment	Powder coated
	Front panel	6mm AR glass optical bonding
	Thickness	Bottom 196mm, top 155mm
	Size(W*H*D)	982*326*90mm, 34mm Equal bezel
	IP rating	IP65
Panel	LCD panel	BOE, 37 inch 1920*540
	Brightnes (cd/m ²)	2500
	Contrast ratio	3000:1
	View angle	178 (H/V)
	Response time	6ms
	Brightness adjustable	Auto-light sensor
Electrical	Operation system	Android 8.1 (Windows optional)
	CPU	ARM A53×4, 1.5Ghz
	DDR size	2G
	EMMC flash	8G (16G optional)
	Ports	HDMI input×3, USB input×2, Power×1

Power Supply	Input Voltage	12V / AC100-240V, ±10% 50/60Hz
	Power consumption	195W
Security & Protection	Power Supply Protection	Leakage, over-load, over-voltage protection
	Lightning protection	With lightning protection
	Explosion protection of interface	Protection for while reverse connection of the power cause the short-circuit or burn out the device
	OSD rotation	Yes
Functions	USB play	Autoplay
	Timing switcher	Yes
	Language	English, Japanese, French, Portuguese etc.
	Input signal switching	Yes
	Storage temperature	-20°C~80°C
Operation environment	Operation temperature	-20°C~80°C
	Operation humidity	5%~98%
Certificate	Including	CE, ROHS, FCC, CB, PSE, IK10
Lifetime	Lifetime	80000H
MTBF	MTBF	60000H

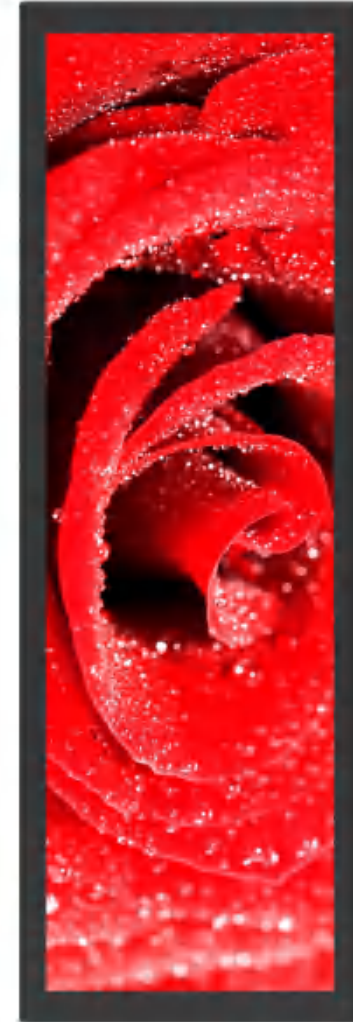
OUTDOOR



ZEMSO ELECTRON



37 inch



** Notes: Other sizes are available*



Functions

1. *Display PIS information*
2. *Display advertisement*
3. *Display public information*

Application

1. *Transportation: Bus stops, in-bus, metro, transit center, airports, stations etc.*
2. *Advertising: Showcase, retail shops, hotels, restaurants etc.*

OUTDOOR



ZEMSO ELECTRON

Outdoor Vehicle- mounted Display

Fanless Design



OUTDOOR*Vehicle-mounted Display Spec.***FV 2.0****ZEMSO ELECTRON**

Case	Material	All aluminum
	Surface treatment	Powder coated
	Front panel	6mm AR glass optical bonding
	Thickness	Bottom 196mm, top 155mm
	Size(W*H*D)	1073*385*155mm
	IP rating	IP65
Panel	LCD panel	BOE/AUO, 37.6 inch 1920*540
	Brightnes (cd/m ²)	2500
	Contrast ratio	3000:1
	View angle	178 (H/V)
	Response time	6ms
	Brightness adjustable	Auto-light sensor
Electrical	Operation system	Android 8.1 (Windows optional)
	CPU	ARM A53×4, 1.5Ghz
	DDR size	2G
	EMMC flash	8G (16G optional)
	Ports	HDMI input×3, USB input×2, Power×1

Power Supply	Input Voltage	12V / AC100-240V, ±10% 50/60Hz
	Power consumption	180W
Security & Protection	Power Supply Protection	Leakage, over-load, over-voltage protection
	Lightning protection	With lightning protection
	Explosion protection of interface	Protection for while reverse connection of the power cause the short-circuit or burn out the device
	OSD rotation	Yes
Functions	USB play	Autoplay
	Timing switcher	Yes
	Language	English, Japanese, French, Portuguese etc.
	Input signal switching	Yes
	Storage temperature	-20°C~80°C
Operation environment	Operation temperature	-20°C~80°C
	Operation humidity	5%~98%
Certificate	Including	CE, ROHS, FCC, CB, PSE, IK10
Lifetime	Lifetime	80000H
MTBF	MTBF	60000H

*The motherboard can be modified according to needs***FV 2.0**

OUTDOOR



ZEMSO ELECTRON



37.6 inch

* Notes: Other sizes are available

FV 2.0

OUTDOOR



ZEMSO ELECTRON



37.6 inch

* Notes: Custom designs are highly welcomed

Outdoor Standard Display

Fans Cooling



OUTDOOR



ZEMSO ELECTRON



32-86 inch



* Notes: Custom designs available



Case	Material	Aluminum frame, Galvanized back
	Surface treatment	Powder coated
	Front panel	6mm Tempered glass
	Thickness	120mm
	Bezel	40mm Top, left, right side equal
	IP rating	IP65
Panel	LCD panel	LG/BOE/AUO
	Brightnes (cd/m ²)	2500
	Contrast ratio	3000:1
	View angle	178 (H/V)
	Response time	6ms
	Brightness adjustable	Auto-light sensor
Electrical	Operation system	Android 8.1 (Windows optional)
	CPU	ARM A53×4, 1.5Ghz
	DDR size	2G
	EMMC flash	8G (16G optional)
	Ports	HDMI input×3, USB input×2, Power×1

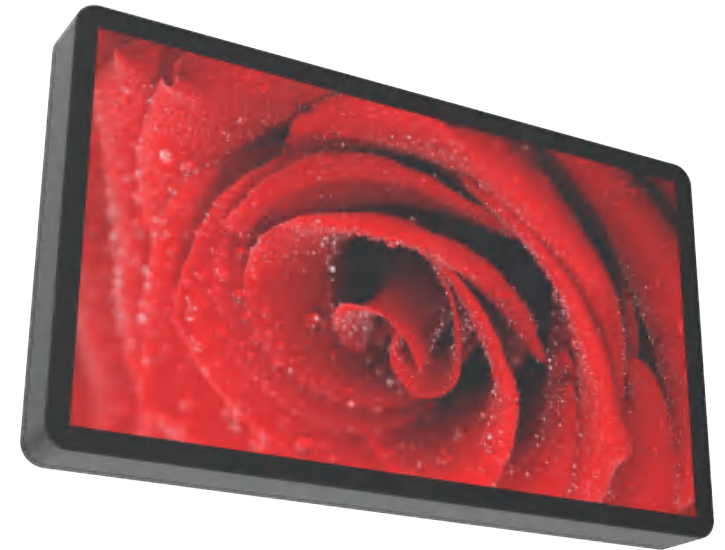
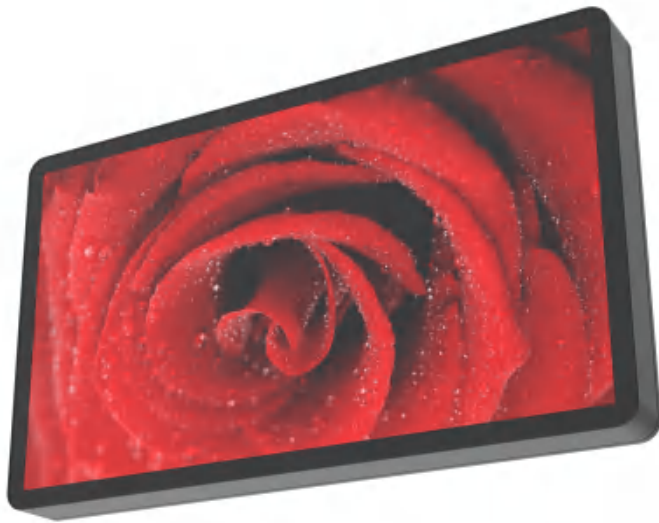
Power Supply	Input Voltage	AC100-240V, ±10% 50/60Hz
	Power consumption	TBD
Security & Protection	Power Supply Protection	Leakage, over-load, over-voltage protection
	Lightning protection	With lightning protection
	Explosion protection of interface	Protection for while reverse connection of the power cause the short-circuit or burn out the device
	OSD rotation	Yes
Functions	USB play	Autoplay
	Timing switcher	Yes
	Language	English, Japanese, French, Portuguese etc.
	Input signal switching	Yes
	Storage temperature	-20°C~80°C
Operation environment	Operation temperature	-20°C~80°C
	Operation humidity	5%~98%
Certificate	Including	CE, ROHS, FCC, CB, PSE, IK10
Lifetime	Lifetime	80000H
MTBF	MTBF	60000H

The motherboard can be modified according to needs

OUTDOOR



ZEMSO ELECTRON



32-86 inch

* Notes: Custom designs available



Case	Material	Aluminum frame, Galvanized back
	Surface treatment	Powder coated
	Front panel	6mm Tempered glass
	Thickness	120mm
	Bezel	50mm equal sides
	IP rating	IP65
Panel	LCD panel	LG/BOE/AUO
	Brightnes (cd/m ²)	2500
	Contrast ratio	3000:1
	View angle	178 (H/V)
	Response time	6ms
	Brightness adjustable	Auto-light sensor
Electrical	Operation system	Android 8.1 (Windows optional)
	CPU	ARM A53×4, 1.5Ghz
	DDR size	2G
	EMMC flash	8G (16G optional)
	Ports	HDMI input×3, USB input×2, Power×1

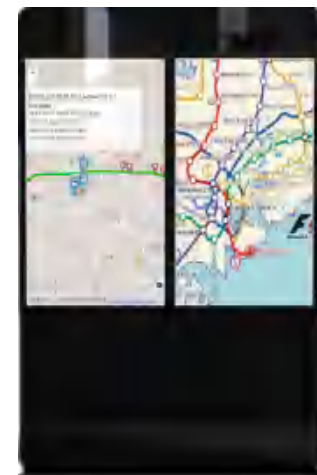
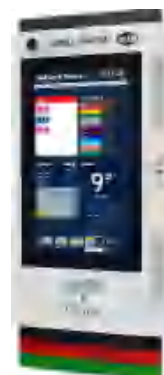
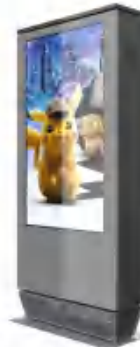
Power Supply	Input Voltage	AC100-240V, ±10% 50/60Hz
	Power consumption	TBD
Security & Protection	Power Supply Protection	Leakage, over-load, over-voltage protection
	Lightning protection	With lightning protection
	Explosion protection of interface	Protection for while reverse connection of the power cause the short-circuit or burn out the device
	OSD rotation	Yes
Functions	USB play	Autoplay
	Timing switcher	Yes
	Language	English, Japanese, French, Portuguese etc.
	Input signal switching	Yes
	Storage temperature	-20°C~80°C
Operation environment	Operation temperature	-20°C~80°C
	Operation humidity	5%~98%
Certificate	Including	CE, ROHS, FCC, CB, PSE, IK10
Lifetime	Lifetime	80000H
MTBF	MTBF	60000H

The motherboard can be modified according to needs

CUSTOM DESIGNS




CUSTOM DESIGNS



OUTDOOR

Outdoor Custom Display Spec.

Cabinet Details	Material: 1.5mm SGCC Gavanized plate Surface treatment: Powder coated, anti-corrosion for 10 years	Operating System	Touch screen: Capacitive touch screen	 ZEMSO ELECTRON
	Front Panel: 6mm toughened explosion-proof		Operating system: Android (Windows optional)	
	Dust/Water Proofing: IP65		RAM: 4G	
	Cooling System: High efficiency cooling fans for heat-dissipation. Enable the screens no black in the environment of -40 to 110°C		ROM: 16G	
Display Details	Brand: AUO, High Tni (110°C) liquid crystal, working temp. -40 to 110°C	Environmental Monitoring	Ports: USB in, HDMI in, HDMI out, VGA in, Rj45, SD card, 4G SIM card port (not included 4G module)	Network: Ethernet and Wi-Fi (3G/4G optional)
	Size: 55inch		Shock monitoring	
	Brightness: 2500nits		Door opening monitoring	
	Display area: 1209.6(H) x 680.4(V) mm		Internal humidity monitoring	
	Viewing angle: 178°/178°		Internal temperature monitoring	
	Panel Technology: LED direct backlit		Smoke monitoring	
	Contrast Ratio: 5000:1		Brightness monitoring	
	MTBF: 60,000 Hrs		Water monitoring	
	Aspect Ratio: 16:9		Backlit monitoring	
	Light attenuation: 3 Years 0 attenuation		Display working status monitoring	
	Max resolution: 1920*1080		Heater working status monitoring	
	Surface Treatment: Circular polarizar, low reflection		Fans working status monitoring	
	Display Operation Mode: Normally Black		Explosion vibration monitoring	
	Pixel Pitch: 0.63 (W) x 0.63(H)mm		Air pressure monitoring	
	Display Colors: 8 bit, 16.7M		Voltage and current monitoring	
	Driver Element: a-Si TFT active matrix		LED light monitoring	
Operating System	Touch screen: Capacitive touch screen	Software	Smart Environment Monitoring System	
	Operating system: Android	Power	Content Management System	
		Warranty	5 Years free warranty.	
			Input Power: AC90-250V; 50-60HZ	
			Power Consumption: TBD	

Outdoor E-paper Display

Fanless Design




Train/Metro

Information/Advertisement

A black silhouette of a train or metro car on tracks, centered on a green background.


Bus Stop

Buses information

A black silhouette of a bus stop sign and a bus, centered on a blue background.

Taxi

Information/Advertisement

A black silhouette of a taxi car, centered on a yellow background.

OUTDOOR

13.3"



Specifications:

Screen size	13.3 inch
Technology	E-ink black and white
Resolution	1600(H)*1200(V)
Color	16 gray level
Contrast Ratio	12:1
Material	Aluminum Alloy/ Galvanized Plate
Overall Dimensions	W360*H250*D50mm
Installation	Fixed with mounting bracket
Operating Voltage	6~23V DC, with under voltage protection, over voltage protection, reverse connection protection and input voltage detection function
Power Consumption	≤3W
Waterproof Level	IP65

OUTDOOR



ZEMSO ELECTRON

Specifications:

28.3"



Screen size 28.3 inch

Technology E-ink black and white

Resolution 1600(H)*2400(V)

Color 16 gray level

Contrast Ratio 12:1

Material Aluminum Alloy/ Galvanized Plate

Overall Dimensions W360*H550*D50mm

Installation Fixed with mounting bracket

Operating Voltage 6~23V DC, with under voltage protection, over voltage protection, reverse connection protection and input voltage detection function

Power Consumption $\leq 3W$

Waterproof Level IP65

OUTDOOR



ZEMSO ELECTRON

Specifications:

31.2"



Screen size	31.2 inch
Technology	E-ink black and white
Resolution	2560(H)*1440(V)
Color	16 gray level
Contrast Ratio	12:1
Material	Aluminum Alloy/ Galvanized Plate
Overall Dimensions	W697.2*H402.8*D40mm
Installation	Fixed with mounting bracket
Operating Voltage	6~23V DC, with under voltage protection, over voltage protection, reverse connection protection and input voltage detection function
Waterproof Level	IP65
Power Consumption	≤3W

1. SDK Solution

- 1. Provide the e-paper display with IP68 cabinet, with front light optical bonding, provide driver board, power board and cables, no system.**
- 2. Provide SDK for development.**
- 3. Technical support on development.**

2. Android Solution

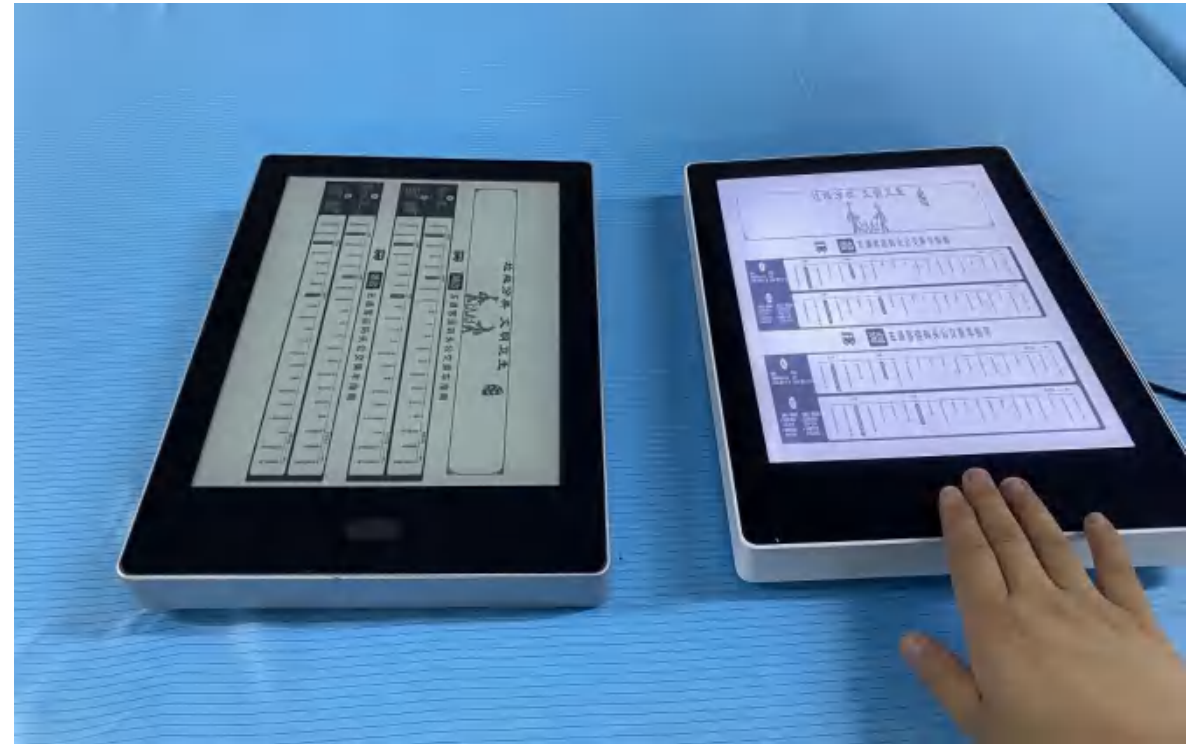
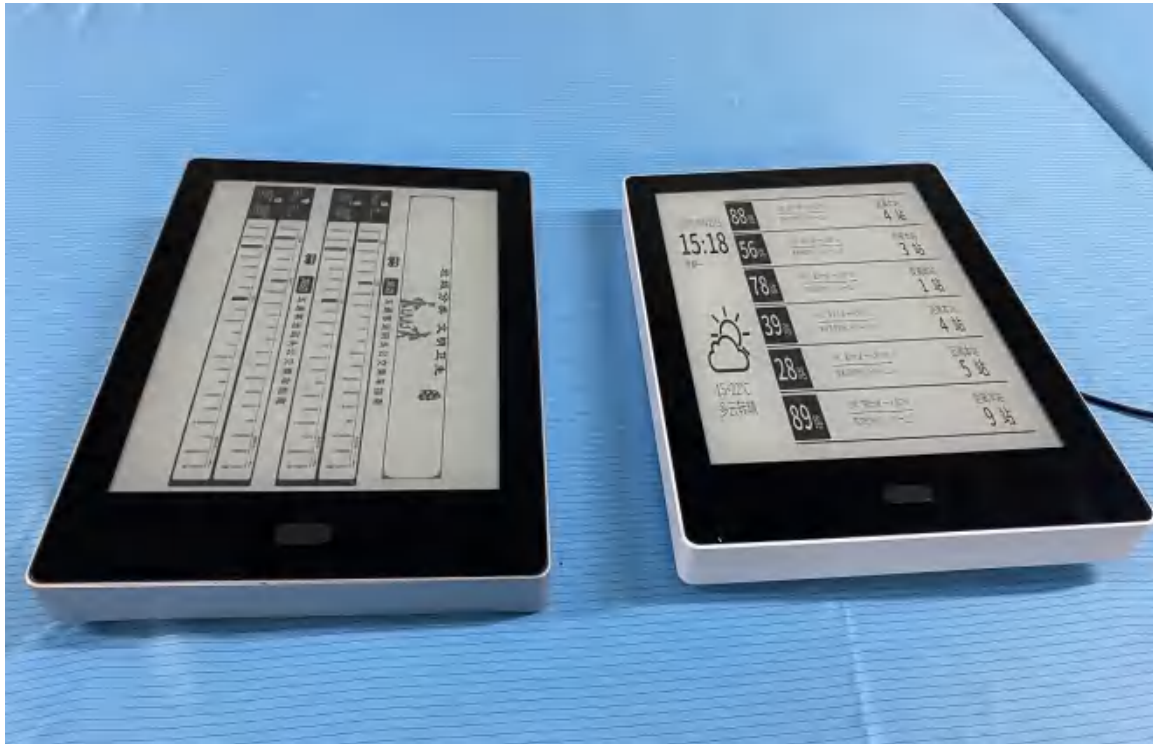
- 1. Provide the e-paper display with IP68 cabinet, with front light optical bonding, provide driver board, power board and cables, Android system. Support remote CMS and monitoring.**
- 2. Provide SDK for development.**
- 3. Technical support on development.**

3. E-paper Monitor Solution

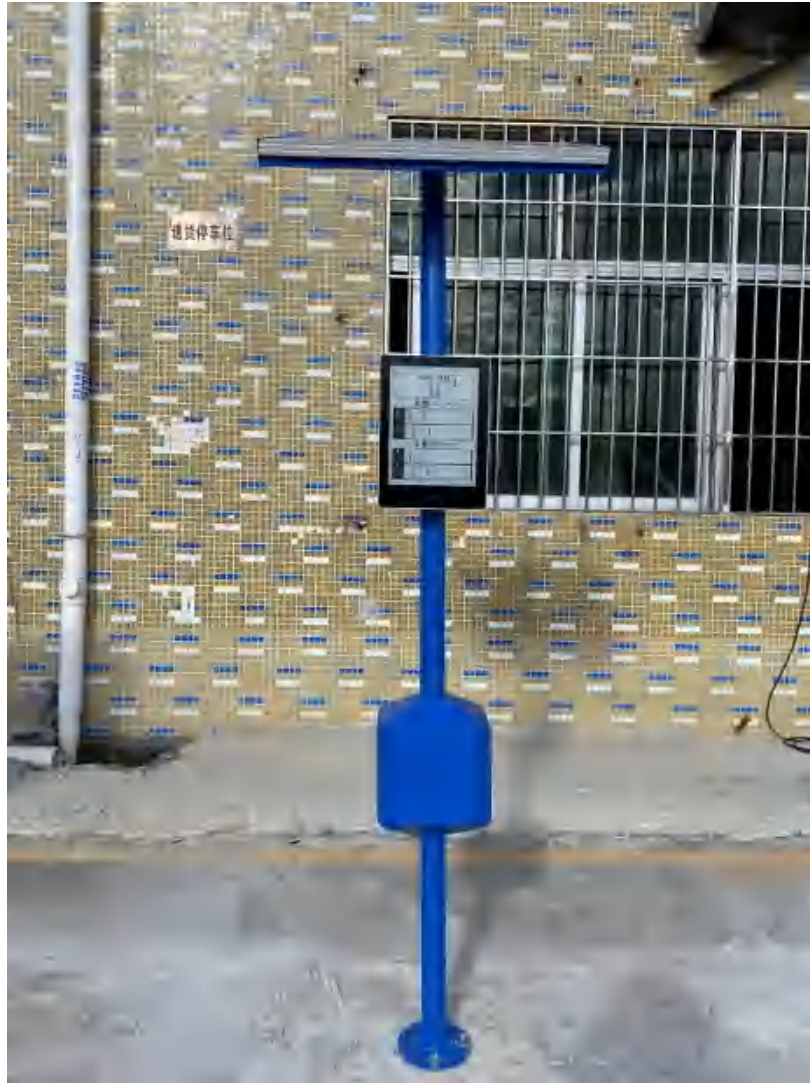
- 1. Provide the e-paper display with HDMI interface, connect to X86 PC or any other system that has HDMI output.*
- 2. Real-time refresh, refresh rate similar to LCD.*
- 3. Technical support on development.*
- 4. Can install any software base on Windows and android system.*

4. Android & X86 whole Solution

- 1. Provide the e-paper display with HDMI interface, connect to our X86 PC or android PC that has HDMI output.*
- 2. Real-time refresh, refresh rate similar to LCD.*
- 3. Technical support on development.*
- 4. Can install any software base on Windows and android system.*



Human lightning sensor



E-paer display with solar

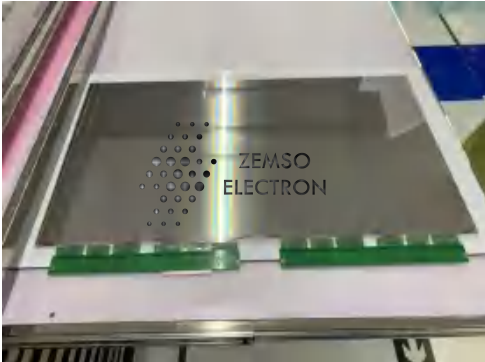
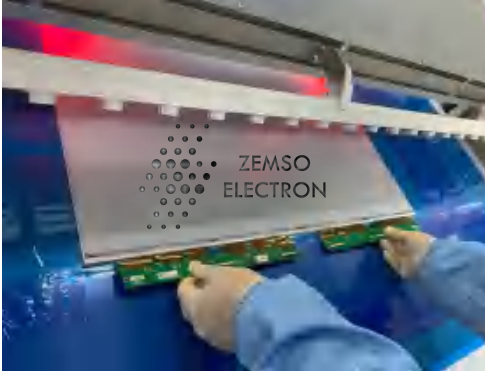
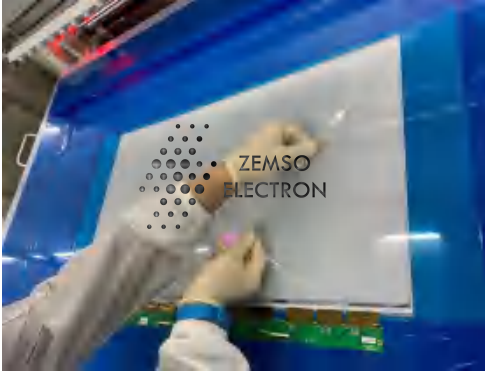
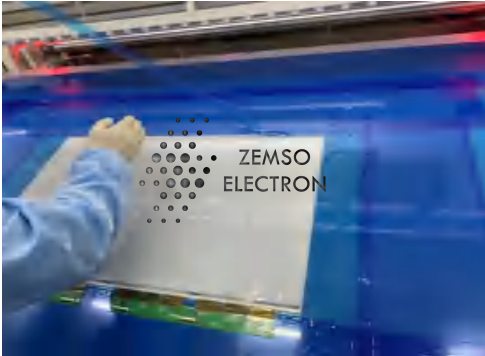
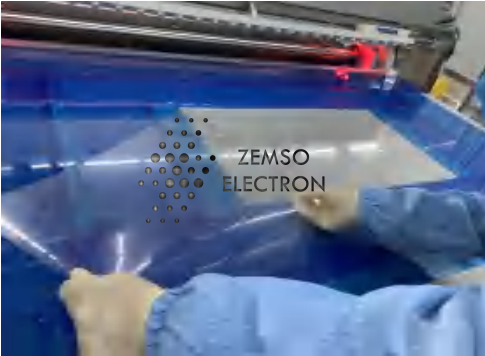




Our E-Paper Production



ZEMSO ELECTRON



INDOOR



ZEMSO ELECTRON

Window Display

Fanless Design



INDOOR



Double Sided Window Display

- *High brightness, 2000nits+800nits*
- *All aluminum, super light*
- *Super slim design, thickness only 25mm*
- *Super narrow bezel, only 8mm*
- *Hanging and floor install*
- *Available size: 32-86inch*



ZEMSO ELECTRON

INDOOR



ZEMSO ELECTRON

Window Display

High Brightness



INDOOR



ZEMSO ELECTRON

Double Sided Window Display



- High brightness, **3000nits+3000nits**
- All aluminum, light weight
- Slim design
- Narrow bezel
- Hanging and floor install
- Available size: 32-98inch

*Indoor
Standard
Display*



INDOOR

Indoor Smart Digital Signage



ZEMSO ELECTRON

Standard Floor/Wall design

Parameter

Display area	697×392	941×529	1074×604	1210×681	1433×808	1650×930	1895×1066	2158×1214
Maximum resolution	1920×1080	1920×1080	1920×1080	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
Panel size	32"	43"	49"	55"	65"	75"	86"	98"
Maximum power	48W	60W	90W	100W	128W	190W	380W	450W
Material	Metal case+Aluminum frame+Tempered glass Panel							
Display scale	16:9							
Overall size	Standard							
Contrast ratio	1400:1							
Visual angle	178°							
Brightness	500cd/m ²							
Pixel pitch	0.4296×0.4296mm (H×V)							
Display color	16.7M							
Operating system	Android (Windows optional)							
RAM/ROM	2G/16G (4G/32G optional)							
Storage type	Built-in, USB, SD							
Network	Wi-Fi, LAN, (3G/4G optional)							
Touch type	Non touch / Infrared touch / Capacitive touch							
Video Format/Picture Format	MP3, MP4, JPG, MPEG1, MPEG2, MPEG4, VOB, RM, RMVB etc. / JPG, BMP, PNG, etc.							
Split screen	Pic/ Video/ Video+Pic/ Video+Subtitle/ Video+Subtitle+Pic+letters							
Power supply	AC100-240V; 50-60HZ							
Working temperature	0-50°C							
Storage temperature	-30-+60°C							
Working/storage humidity	10%~90%							
Accessories	Remote-controller*1, Instruction*1, Anti-theft lock, Key*2, Power supply cable							
Software	Content Management System (Free for android, charged for Windows)							

INDOOR

Indoor Smart Digital Signage



ZEMSO ELECTRON

Portable stand

Parameter

Display area	697×392	941×529	1074×604	1210×681	1433×808	1650×930	1895×1066	2158×1214
Maximum resolution	1920×1080	1920×1080	1920×1080	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
Panel size	32"	43"	49"	55"	65"	75"	86"	98"
Maximum power	48W	60W	90W	100W	128W	190W	380W	450W
Material	Metal case+Aluminum frame+Tempered glass Panel							
Display scale	16:9							
Overall size	Standard							
Contrast ratio	1400:1							
Visual angle	178°							
Brightness	500cd/m ²							
Pixel pitch	0.4296×0.4296mm (H×V)							
Display color	16.7M							
Operating system	Android (Windows optional)							
RAM/ROM	2G/16G (4G/32G optional)							
Storage type	Built-in, USB, SD							
Network	Wi-Fi, LAN, (3G/4G optional)							
Touch type	Non touch / Infrared touch / Capacitive touch							
Video Format/Picture Format	MP3, MP4, JPG, MPEG1, MPEG2, MPEG4, VOB, RM, RMVB etc. / JPG, BMP, PNG, etc.							
Split screen	Pic/ Video/ Video+Pic/ Video+Subtitle/ Video+Subtitle+Pic+letters							
Power supply	AC100-240V; 50-60HZ							
Working temperature	0-50°C							
Storage temperature	-30-+60°C							
Working/storage humidity	10%~90%							
Accessories	Remote-controller*1, Instruction*1, Anti-theft lock, Key*2, Power supply cable							
Software	Content Management System (Free for android, charged for Windows)							

INDOOR

Indoor Smart Digital Signage



ZEMSO ELECTRON

Standard rotating design (in stock)

Parameter

Display area	697×392	941×529	1074×604	1210×681	1433×808	1650×930	1895×1066	2158×1214
Maximum resolution	1920×1080	1920×1080	1920×1080	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
Panel size	32"	43"	49"	55"	65"	75"	86"	98"
Maximum power	48W	60W	90W	100W	128W	190W	380W	450W
Material	Metal case+Aluminum frame+Tempered glass Panel							
Display scale	DLED 16:9							
Overall size	Standard							
Contrast ratio	1400:1							
Visual angle	178°							
Brightness	500cd/m ²							
Pixel pitch	0.4296×0.4296mm (H×V)							
Display color	16.7M							
Operating system	Android (Windows optional)							
RAM/ROM	2G/16G (4G/32G optional)							
Storage type	Built-in, USB, SD							
Network	Wi-Fi, LAN, (3G/4G optional)							
Touch type	Non touch / Infrared touch / Capacitive touch							
Video Format/Picture Format	MP3, MP4, JPG, MPEG1, MPEG2, MPEG4, VOB, RM, RMVB etc. / JPG, BMP, PNG, etc.							
Split screen	Pic/ Video/ Video+Pic/ Video+Subtitle/ Video+Subtitle+Pic+letters							
Power supply	AC100-240V; 50-60HZ							
Working temperature	0-50°C							
Storage temperature	-30-+60°C							
Working/storage humidity	10%~90%							
Accessories	Remote-controller*1, Instruction*1, Anti-theft lock, Key*2, Power supply cable							
Software	Content Management System (Free for android, charged for Windows)							

INDOOR

Indoor Smart Digital Signage



ZEMSO ELECTRON

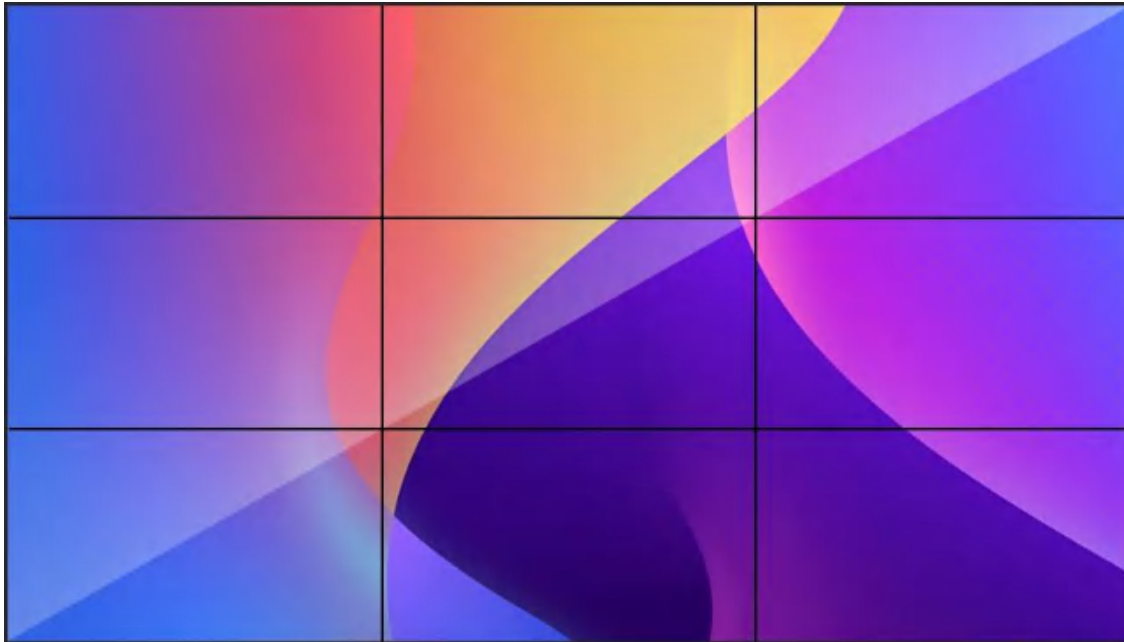
Standard all in one touch kiosk (in stock)

Parameter

Display area	697×392	941×529	1074×604	1210×681	1433×808	1650×930	1895×1066	2158×1214
Maximum resolution	1920×1080	1920×1080	1920×1080	3840×2160	3840×2160	3840×2160	3840×2160	3840×2160
Panel size	32"	43"	49"	55"	65"	75"	86"	98"
Maximum power	48W	60W	90W	100W	128W	190W	380W	450W
Material	Metal case+Aluminum frame+Tempered glass Panel							
Display scale	DLED 16:9							
Overall size	Standard							
Contrast ratio	1400:1							
Visual angle	178°							
Brightness	500cd/m ²							
Pixel pitch	0.4296×0.4296mm (H×V)							
Display color	16.7M							
Operating system	Android (Windows optional)							
RAM/ROM	2G/16G (4G/32G optional)							
Storage type	Built-in, USB, SD							
Network	Wi-Fi, LAN, (3G/4G optional)							
Touch type	Non touch / Infrared touch / Capacitive touch							
Video Format/Picture Format	MP3, MP4, JPG, MPEG1, MPEG2, MPEG4, VOB, RM, RMVB etc. / JPG, BMP, PNG, etc.							
Split screen	Pic/ Video/ Video+Pic/ Video+Subtitle/ Video+Subtitle+Pic+letters							
Power supply	AC100-240V; 50-60HZ							
Working temperature	0-50°C							
Storage temperature	-30-+60°C							
Working/storage humidity	10%~90%							
Accessories	Remote-controller*1, Instruction*1, Anti-theft lock, Key*2, Power supply cable							
Software	Content Management System (Free for android, charged for Windows)							

Indoor Smart Digital Signage

Standard LCD video wall screens (in stock)



LG:

49, 55

SAMSUNG:

46, 55, 65

BOE:

46, 49, 55, 65

INDOOR



ZEMSO ELECTRON

Conference Board

Conference board interactive smart white board, is committed to building intelligent and efficient platform for the meeting, Set of a 4K display,touch writing, wireless transmission screen,video conference, audio, and other functions into an organic whole, Make every second of the meeting productive.

▶ Main Function

Touch Writing

Mira-cast

Video Conference

4K Resolution



Record By QR

Stereo System

Personalized Signature

Modular Design

Specification

CB CE RoHS FC



Smart Conference board

Display

Size	65" / 75" / 86" / 98" / 110"
Display Scale	16: 9
Backlit Type	DLED
Resolution	3840(H)×2160(V)
Viewing Angle	Vertical/Horizontal 178°

Touch

Touch Material	AG Glass
Screen Hardness	Mohs 7 Grade
Touch Tech	IR Touch
Touch Points	20 Points
Writing Tools	Finger+ light-proof tools (≥6mm)
Touch Precision	2mm

Loudspeaker

Frequency Domain	100Hz~20KHz
Speakers Qty.	2pcs, 15W, 8Ω
Stereo	Support

Module Design

Module Replacement	Support
Available Module	Android 11

Android Module

CPU	Dual Core A73*4 + Quad-core A53*4
Main frequency	2GHz
RAM	8G
ROM	128G
OS	Android 11

PC Module

PC Type	Ultra thin plug - in Intel Core series modular computer.
CPU	Intel Core i5 / i7
RAM	DDR4 8G / 16G
SSD	128G / 256G

Operating Environment

Power	100-240V~ 50 / 60Hz
Altitude	≤5000m
Standby dissipation	≤0.5W
Camera & Mic	4800W AI camera, 8 Array Microphones

INDOOR



ZEMSO ELECTRON

Battery-Easy Moving Display



INDOOR



ZEMSO ELECTRON



32inch



27inch



24inch



21.5inch

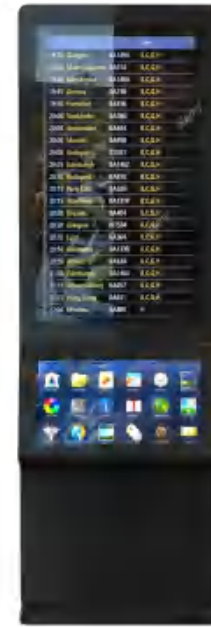
INDOOR



Standard Digital Signage



Custom Digital Signage



Applications



Metro



Train station



Airport

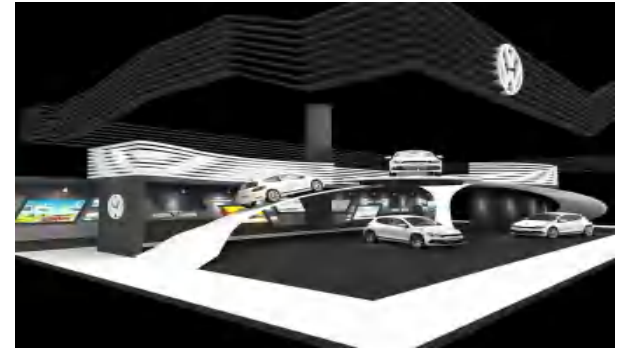
Applications



Office building



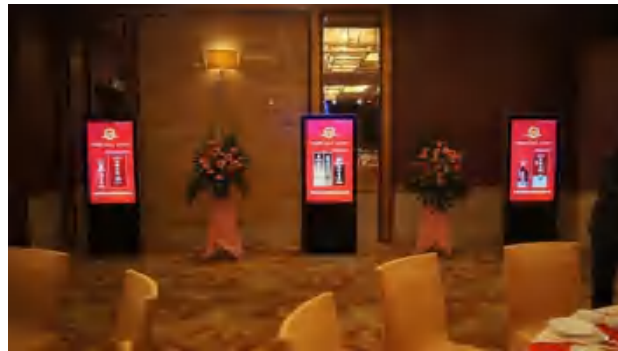
Hotel lobby



Cars showroom



Shopping mall



Restaurant



Hospital

Applications



ZEMSO ELECTRON



Banks



Exhibitions



Coffee shop



Meeting room



Stores



Clothing shops

Indoor Stretched Screen



For 1200mm shelf



For 1000mm shelf

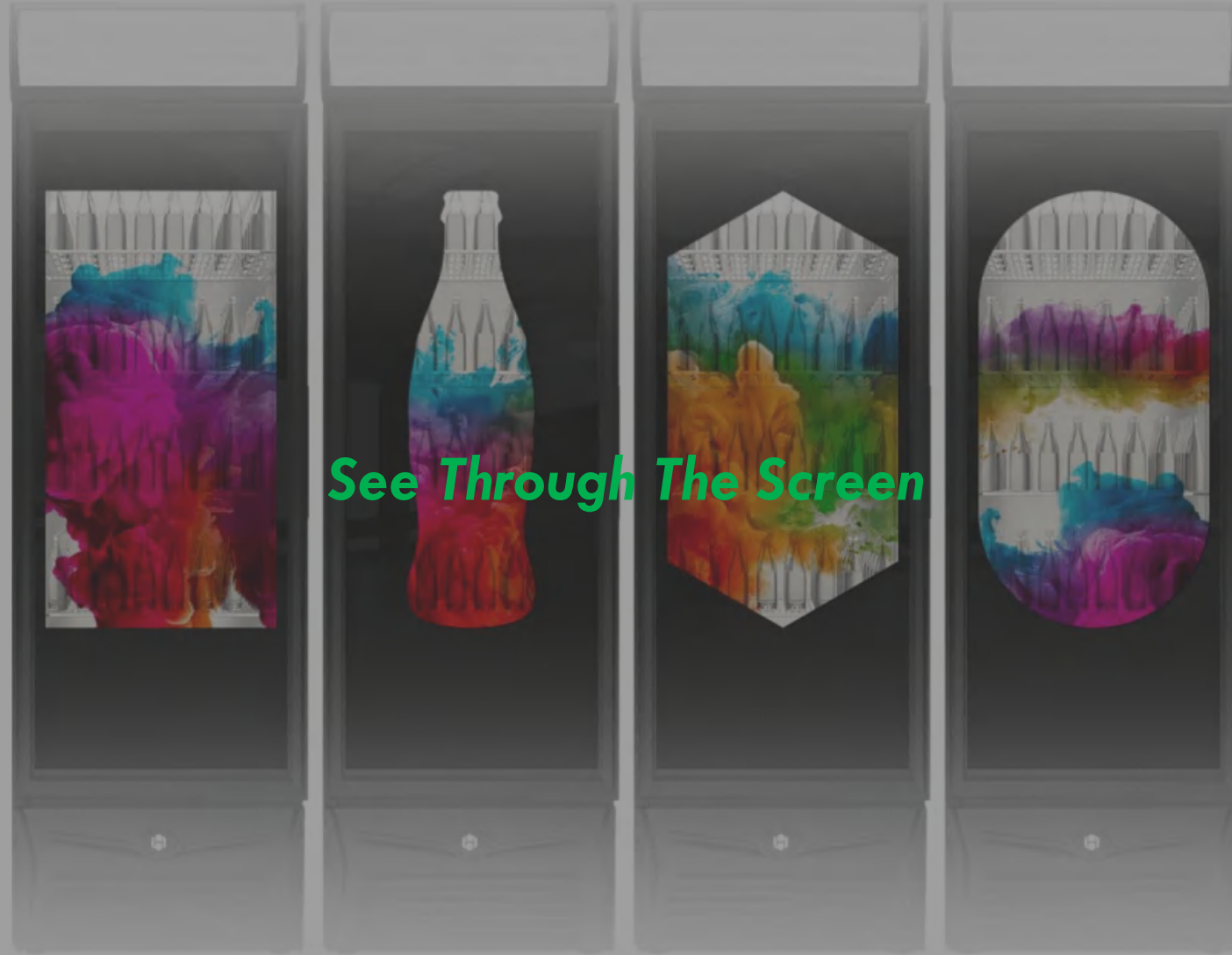


For 900mm shelf

Indoor Stretched Screen

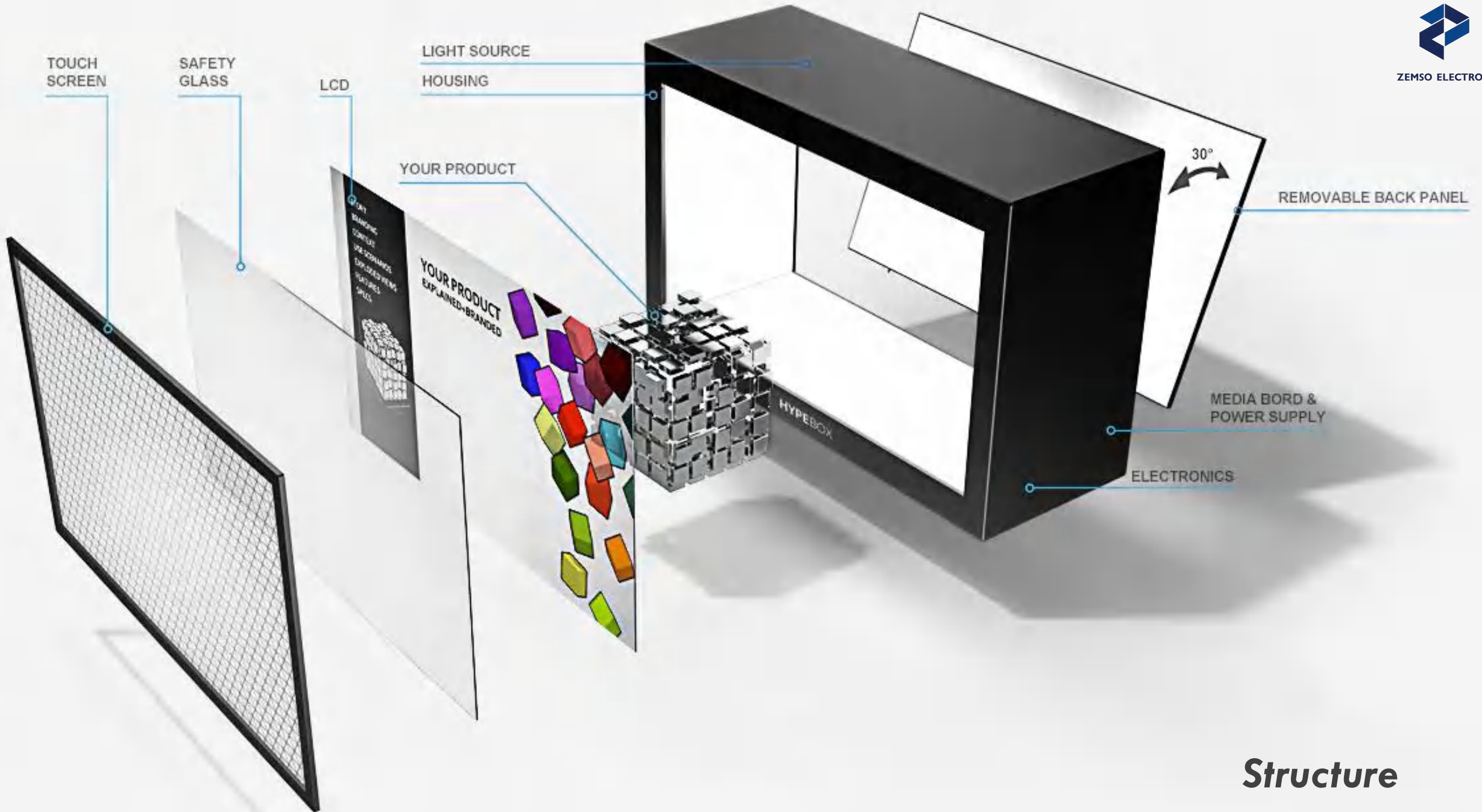


100% Real-time synchronization



See Through The Screen

Indoor Transparent Screen



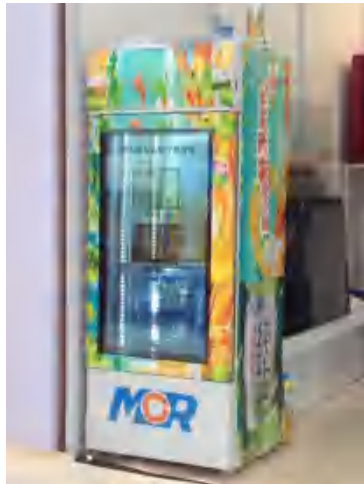
Structure



Available Size: 10.1-85inch

Designs







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& HAPPY HOLIDAYS

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LED SCREEN

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LED SCREEN

Big Screen





Technical project details

Pixel specification
 SMD
 Pixel spacing
 Module pixel
 Core wavelength
 Pixel density
 Brightness
 Gray level
 Scan drive mode
 Refresh rate
 View angle
 View Distance
 Brightness adjustment level
 Brightness adjustment method
 Control system transmission
 Multimedia video processor
 Voltage
 Power
 Lifespan
 Shell material
 Module weight
 Operation temperature
 LED Package manufacturer
 Driver chip
 Safety regulations and certification

Parameter

1R1G1B triple
 1921
 4mm
 64 x 32
 R: 620~625nm, G: 525~527.5nm, B: 462.5~465nm
 62500/m²
 >5500nit, @white color
 16384 level
 1/16 Scanning, Constant current drive
 >1920Hz
 X>140° , Y>140°
 4~50 meters
 64 level
 Chip power flow control or PWM
 Host synchronization mapping + main control card + DVI graphics + fiber transmission or RJ45 + DVI / HDMI port
 Support for various media formats
 5V
 24W
 >100,000 hours
 PC
 244g
 -20°C~+50°C, RH=40~90%
 NATIONSTAR
 Macroblock MBI 5252/5153
 CE, UL, CCC, ROHS



ZEMSO ELECTRON



Specification:

Pixel: 4mm

LED Cabinet Size: 1024*1024mm

Structure Size: 6344*3272mm

Structure Ground Clearance: 4000mm

Structure Material: Galvanized Plate

Surface Treatment: Powder Coated.

Available Screen Pixel: P3, P3.91, P4, P5, P6, P8, P10, P16

Available Materials: Stainless steel, Aluminum

Available Colors: Custom

Available Sizes: Custom

Available Designs: Custom



ZEMSO ELECTRON

LED SCREEN

Small Screen





ZEMSO ELECTRON



Specification:

Structure Material: Aluminum, Stainless steel or Galvanized Plate

Surface Treatment: Powder Coated.

Available Screen Pixel: P3, P3.91, P4, P5, P6, P8, P10, P16

Available Colors: Custom

Available Sizes: Custom

Available Designs: Custom

Our Team



Exhibition

SGI



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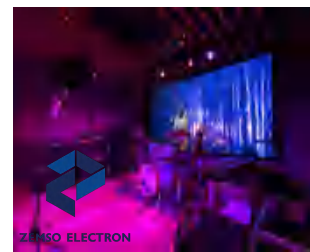
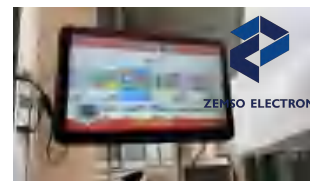
PROJECTS

Israel



PROJECTS

Japan



PROJECTS

California, USA



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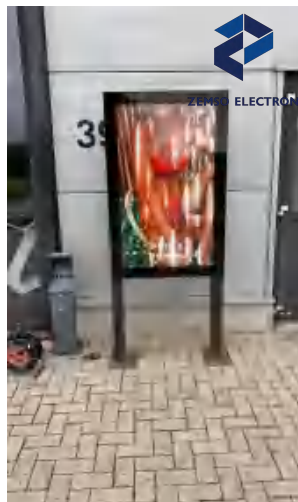
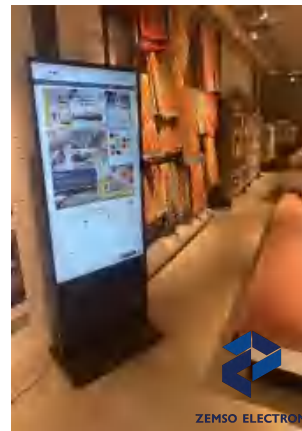
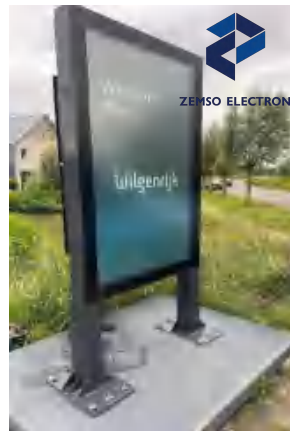
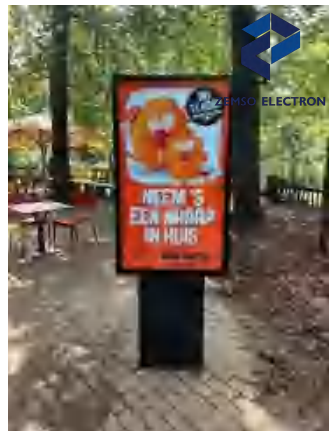
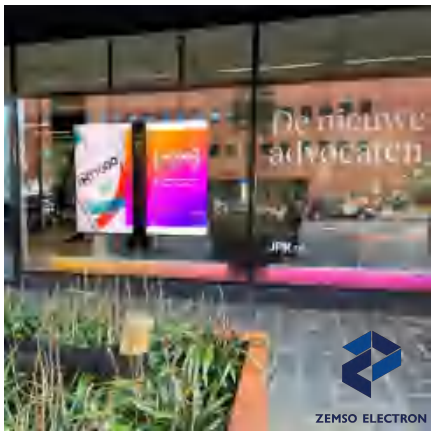


PROJECTS

Netherlands



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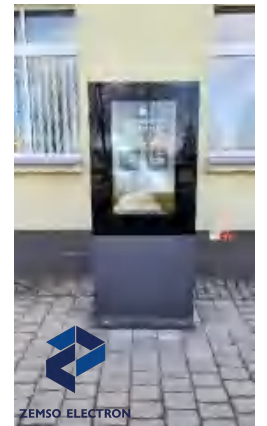
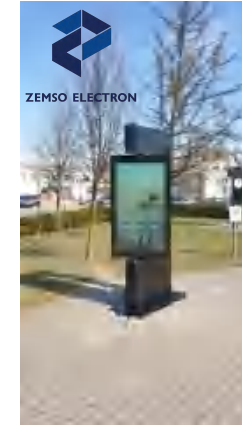
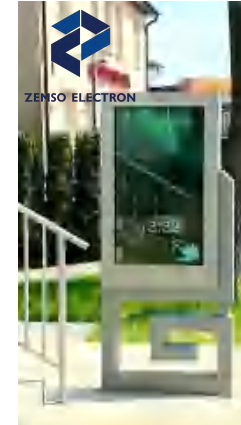
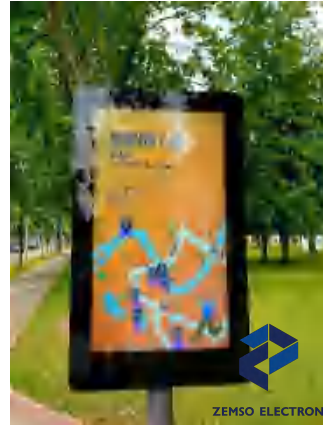


PROJECTS

Lithuania



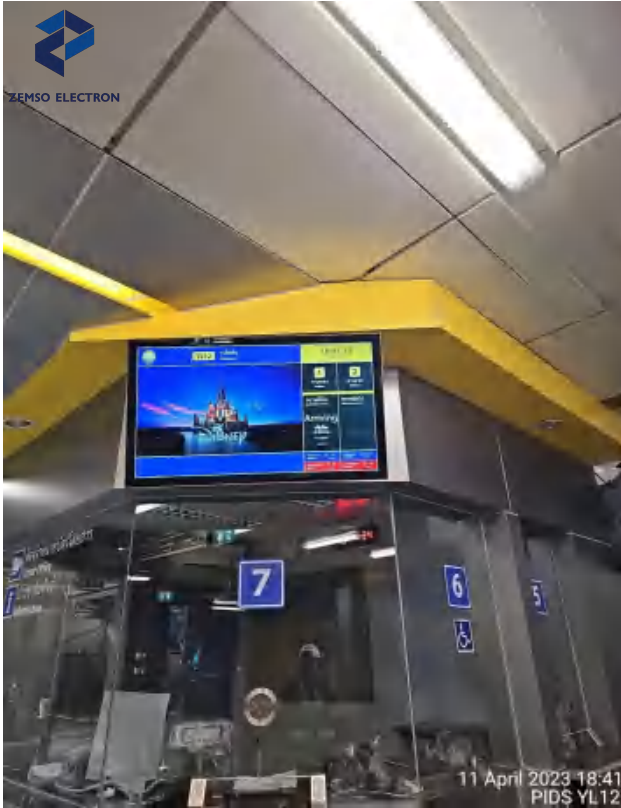
ZEMSO ELECTRON



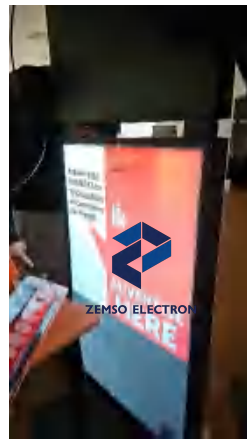
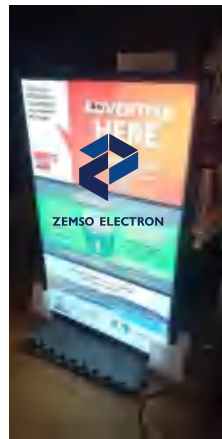
PROJECTS



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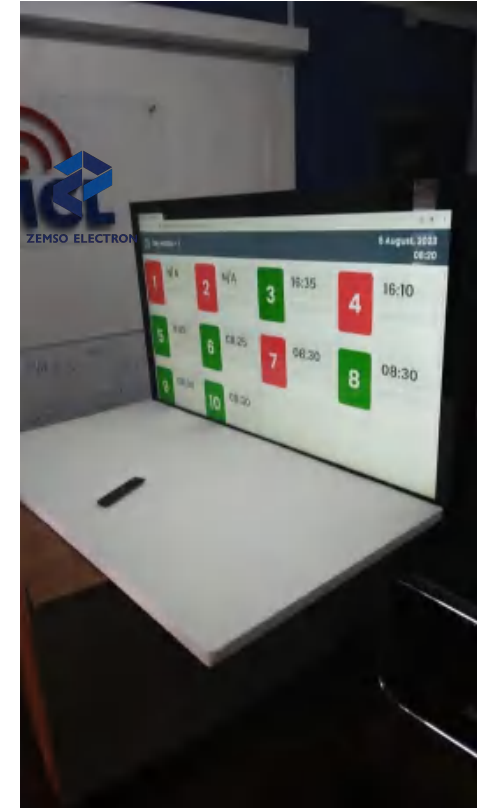
Thailand



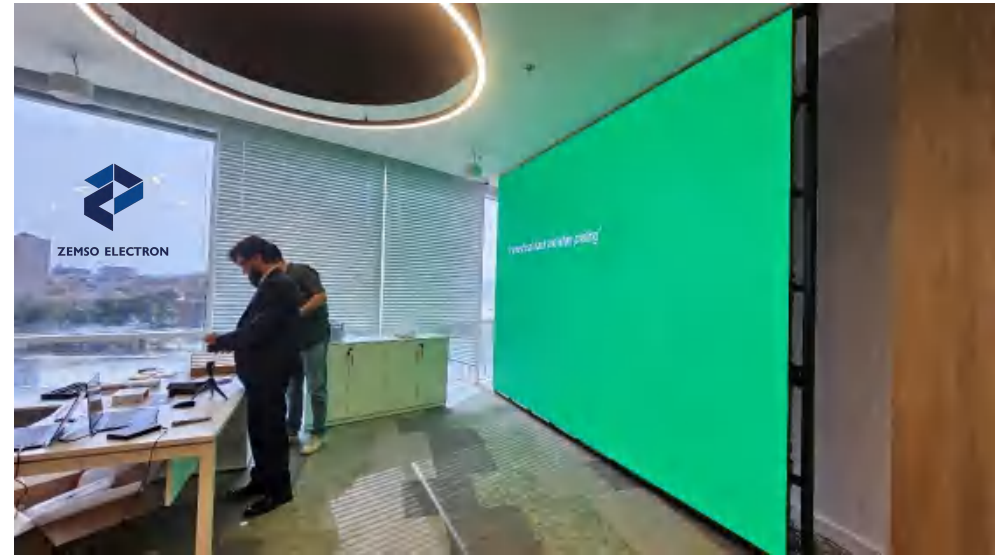
New Zealand



Guam, USA



Mauritius



Saudi Arabia, **Toshiba Corporation** Saudi Arabia base, P1.86 indoor LED



AUTEL[®]

440KW Charging station



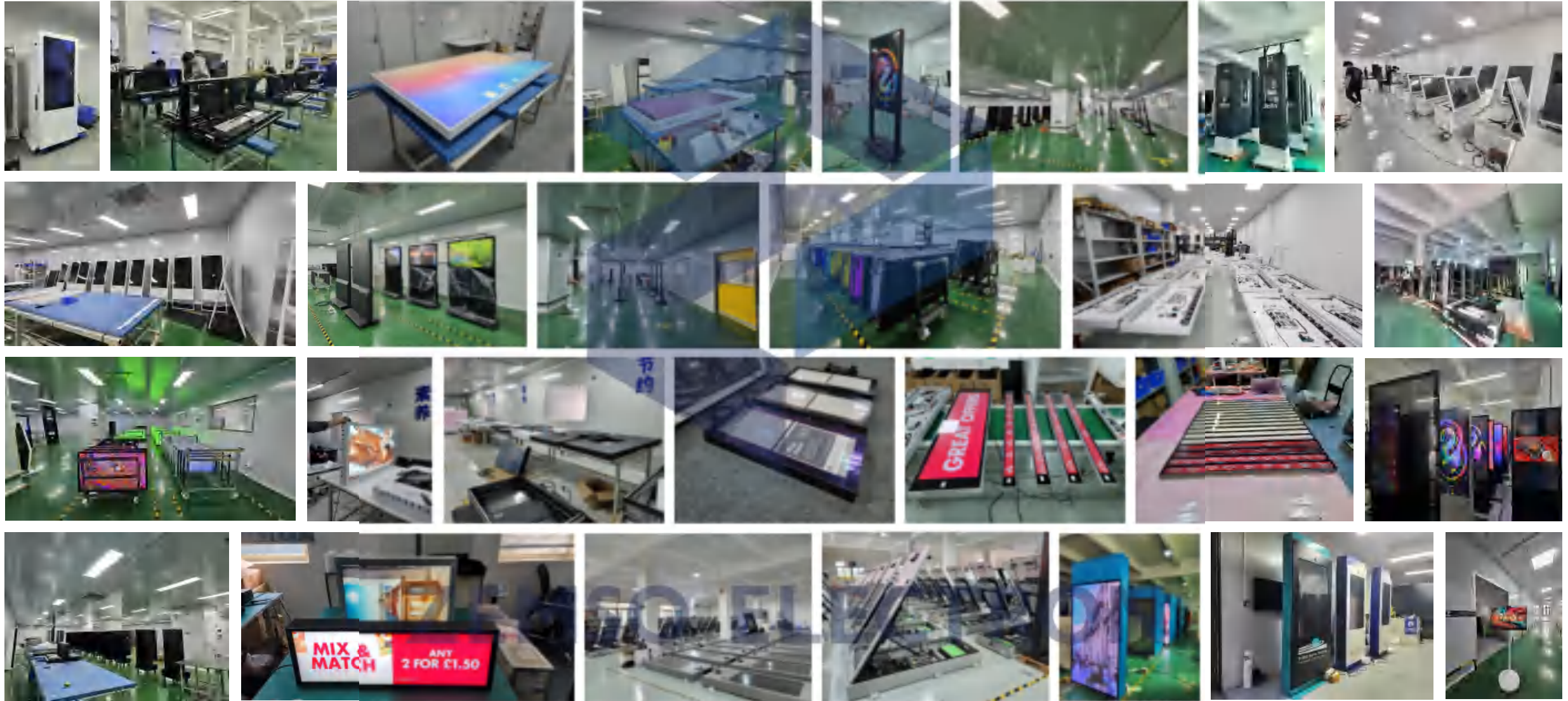
BYD

BYD Welding workshop workstation screen

PRODUCTION



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TESTS



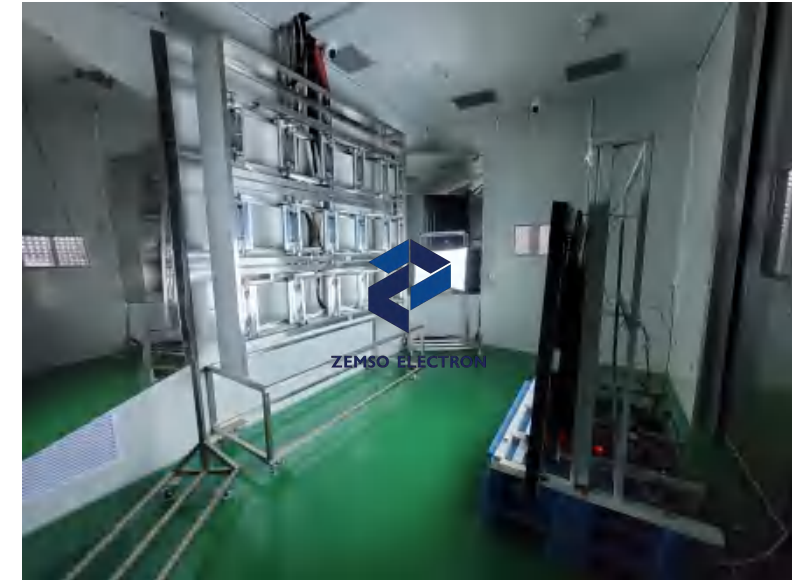
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Aging Test



IP65 Test



High Temp. Test

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