Smart Bus Shelter & Outdoor Digital Signage One-stop Solution Provider

Bus Stop Digital Signage One-stop Solutions
Outdoor LCD & LED Digital signage
Company Profile

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-ink 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.
Property rights and Qualification
R&D and Production
R&D and Production
Committed to smart city public facilities product solutions and implementation

Focus on system software platform research and development and a full range of big data solutions

Committed to the industrial design of smart city public facilities

Focus on new media new retail mobile Internet operation and intelligent public facilities after sales operation and maintenance

Global trading&marketing company, serve global customers and provide one-stop solutions for smart city and outdoor digital signage.

Focus on the development and production of outdoor high-brightness liquid crystal display module and industrial touch display module, display system research and development center

Professional core control system hardware development company, hardware and embedded system research and development center

Shanghai ZEMSO
Shanghai Yimai
Shanghai Yixiang
Jiangsu ZEMSO
ZEMSO Information
ZEMSO Display
Guangzhou ZEMSO
Hangzhou ZEMSO

Committed to the production and manufacturing of smart city and intelligent transportation facilities. We have international fully automatic nc sheet metal production equipment and first-class glass processing line

ZEMSO GROUP
One-stop Service

01 Customer Requirements

02 Designs

03 System Docking

04 Custom and Developing

05 Production Test

06 Site Operation

07 Installation and Debugging

08 After-sale Maintenance

09 Operation Management
Smart bus shelter combines various information technologies with bus shelter to provide travelers with a variety of information search and retail services, provide big data collection services for the city, and as a new type of smart city public facilities to be the entrance of internet traffic.
Smart Bus Shelter

1. Video monitoring system
   Monitors the platform situation and the flow of people

2. LED light box for static advertising

3. 55inch LCD screen for advertising

4. Stainless steel seats

5. P4.75 Dual color LED display screen, display announcements and vehicle arrival forecast station information

6. 55inch LCD screen for advertising

7. LED light box for static bus line information

8. 65inch touch screen
   Split screen displays touch area and bus stop information
Monocrystalline silicon solar panels, photoelectric conversion efficiency of about 15%, the highest up to 24%.

Video monitoring system monitors the platform situation and the flow of people.

55inch LCD screen for advertising.

Static picture advertising board.

Stainless steel seats.

Plexiglass roof, half transparent.

LED light box for static bus line information.
Tianjin eco-city smart bus shelter not only play the function of carrier of the bus stop, also integrates wireless WiFi, vending, weather station bus lines bus temperature forecast information transfer, road congestion 24hours real-time video surveillance, bicycle parking bays, also support the surrounding attractions ticket, administrative information, and intelligent navigation map service which are closely related to people's life.
High-end custom design case
High-end custom design case
High-end custom design case
E-ink display bus shelter

High-end custom design case
Bus shelter integrated management platform

01
Bus shelter ETA system

System interface

02
Smart bus shelter integrated management software

System interface

03
Mobile APP software

APP interface
Bus shelter maintenance management platform

01
Bus shelter maintenance management software

02
Mobile maintenance management APP

System architecture

System interface

APP interface
Professional information interaction interface
Professional information interaction interface
Intelligent information interaction function
Bus shelter designs
Smart bus stop digital board use the GPS, Beidou positioning technology, with cable or wireless communications technology GIS geographic information system technology, combining with the operation characteristics of public transport vehicles, stops announcement in real time, realize the bus intelligent information release, raise the utilization rate of public transport vehicles. At the same time, through the construction of perfect video monitoring system to achieve monitoring sites and the yard management inside the bus.
Key Functions

- WiFi
- Hotline
- Fault Detection
- Bus Forecasting
- Door Alarming
- TTS Voice
- Power Alarming
- Broken-glass Alarming
- NFC Payment
- LCD Screen Display
- Surveillance Camera
- High Brightness 3000nit
- Automatic Dehumidification
- Battery Charge & Discharge Management
- LED/LCD Screen
- LED backlit Scrolling Lightbox
- Temp Control & Cooling System
- Dynamic Advertising
- Dynamic Advertising
Bus stop smart digital board products

- Full screen smart board
- LCD Smart board
- LED Smart board
- Interactive smart board
Bus stop smart digital board products

- E-ink smart board
- Embedded smart board
- Solar smart board
- Hanging smart board
Smart board sub-system

- ETA System
- Bus station facility maintenance management system
- LCD/LED CMS
- Convenient service platform
- Real time video supervision system
- Operation and maintenance management system
Compatible with all bus GPS monitoring platform and bus scheduling platform data interface, real-time data collection

Data collection service software

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

Mobile 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
Forecast station integrated information management system
LCD Content management system
Mobile APP
Smart board Monitoring system
Bus Forecasting Information

Showing real-time information of bus time of arrival with voice broadcasting.
Real-time Bus Road Traffic Condition

- Green means smooth
- Yellow means average
- Red indicates congestion
LCD smart bus stop board designs
LCD smart bus stop board designs
LED smart bus stop board designs
Interactive smart bus stop board designs
Solar smart bus stop board designs
Embedded smart bus stop board designs
Outdoor E-ink Display
Smart city public facilities

01 Taxi stop
02 Smart road sign
03 Information Kiosk
04 Smart community Kiosk
05 Informationized charging pile
06 Smart digital signage
TAXI Stop

Camera
24hours real time monitoring taxi stop surroundings

Voice broadcast speaker
Message broadcast

Touch screen
TAXI calling, map navigation, info search, video ads, QR code scanning etc.

Main material is galvanized sheet, surface treatment spraying

LED light
When the car pulls in, it will change from yellow to green

Instructions

Swipe area citizen card, ID card, concession card, etc.
Photovoltaic solar panel
TAXI Stop

Combined extension design
TAXI Stop

- Touch screen
  - TAXI calling, map navigation, info search, video ads, QR code scanning etc.
- Video surveillance devices
- LED light
- Solar panel
- LED light box
- Swipe area citizen card, ID card, concession card, etc.
TAXI Stop

**Basic specification**
- 32 inch LCD screen
- Video monitoring device
- LED light box
- Wireless phone charging
- ID card device
- LED illumination device
- Monocrystalline silicon solar panel

**Size for reference**
1080X2360X700mm
(without solar panel)

**Color number**
RAL1012 & RAL9004
TAXI Stop

Vertical Display

Landscape Display
TAXI Stop

- **Time & weather display area**: Current time, city weather temperature information in real time
- **Video play area**: Can broadcast public video, commercial video ads and so on
- **Touch area**: TAXI searching and calling
TAXI Stop

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2019
09-05
Smart road sign
Smart road sign
Smart road sign
Smart road sign

System architecture
Smart information kiosk
Smart information kiosk

- Camera
- Emergency button
- Door access button

Main frame 80x80x4.0 galvanized pipe outsourcing molding 2.0 galvanized sheet surface fluorocarbon paint

Bottom frame 3.0 galvanized sheet is processed into c-type surface fluorocarbon paint floor paved with stainless steel embossed plate

43 inch Government all-in-one machine Mosquito lamp reserved window

LOGO Plastic light box P10 LED screen Interior ceiling aluminum gusset plate decoration

Fire extinguisher window Aluminum foot pedal Height adjusting foot

Bird feeder reserved window

Floor paved with stainless steel embossed plate

RAL:3020 RAL:7024
Smart city public facilities
Outdoor smart digital signage
Outdoor smart digital signage
Outdoor smart digital signage

1. 55inch LCD screen
2. 32inch LCD touch screen
3. The main material is galvanized steel plate, surface spray treatment, color can be customized
4. 1970*717mm Light box
Smart city public facilities
Outdoor smart digital signage
Outdoor smart digital signage

1. 32inch LCD touch screen
2. 55inch LCD screen
3. The main material is galvanized steel sheet, the surface is sprayed with plastic, and the color can be customized
4. 32inch LCD touch screen
5. 55inch LCD screen
6. Heat emission hole
Outdoor Smart Digital Signage Specification

Cabinet Details:
Material: 1.5mm SGCC Gavanized plate/304 Stainless Steel
Surface treatment: Powder coated, anti-corrosion for 10 years

Front Panel: 6mm AR glass (anti-reflective), Toughened explosion-proof, Light transmittance 97%, reflectivity less than 3%. 99% UV protection, 52% Solar radiation heat protection

Cooling System: High efficiency cooling fans for heat-dissipation. Enable the screens no black in the environment of -40°C to +55°C.
Cooling by Air conditioner optional

Screen: Special DLED high brightness LCD LG screen.
Visible towards sunlight
Brightness: 3000nits
Viewing angle: 178°/178°
Max resolution: 3840*2160 (55inch and above)
Power supply: MEAN WELL Industrial type
Design: customized based on drawings confirmed
Touch screen: Capacitive touch screen optional
Operating system: Optional
Port: HDMI, VGA, USB, RS232

Shock detectors sensor
Door opening detectors sensor
Lighting sensor
Internal temperature detector
Smoke detector

Optional parts: NFC/RFID, Camera, Debit card reader, QR code scanner, USB Charger, Mic, etc.

Power supply: AC100-240V; 50-60HZ
Our Cases
Lianyungang
Lianyungang Totem
Totems in Shijiazhuang
Anji
Spain
Wuhu
Tianjin
Our partners
Thank you

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