

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





Patents





R&D and Production















II BILD

Shanghai Production Base

Jiangsu Production Base

R&D

R&D and Production









ZEMSO GROUP





Smart city public facilities high-end customization







01 Smart Bus Shelter

生态版服务中心站

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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





Smart Bus Shelter





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.



















E-ink display bus shelter







Bus shelter integrated management platform





Bus shelter maintenance management platform



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.



Bus stop smart digital board products




Bus stop smart digital board products





Smart bus stop digital board



System architecture



Kernal hardware



Remote charging manager



Centralized control manager



Industrial grade GPRS-DTU



ET LUNICORNA (COMMAN)



Industrial grade LED controller

Industrial grade LCD player

Industrial grade LCD player

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

Platform management softwares

Data collection service software

Compatible with all bus GPS monitoring platform and bus scheduling platform data interface, realtime 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

Management

softwares



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正先电子 ZEMSO ELECTRON

Forecast station integrated information management system





LCD Content management system





Mobile APP





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Smart board Monitoring system

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Bus Forecasting Information

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



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Mobile	Device APP	

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Estimated Time of Arrival



Real-time Bus Road Traffic Condition



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



















Vehicle about to arrive



Vehicle arrives





Combined extension design













Basic specification ·32inch 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

Front view

Side view

P

即傳

Back view









Vertical Display

Landscape Display









Smart road sign





RIGHT

BACK

FRONT

LEFT

Smart road sign









Smart road sign







Smart infomation kiosk


















































Smart city public facilities

Outdoor smart digital signage

Outdoor smart digital signage





Outdoor smart digital signage

1





(4)

1970*717mm Light box

Smart city public facilities

Outdoor smart digital signage



Outdoor smart digital signage







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 $+55^{\circ}$ 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





Nanning





Jishou







Wuhu





Lanzhou





Tianjin



































































Our partners





Thank you

Guangzhou ZEMSO Electron CO., LTD

Address: 11-209, Creation Realm, No. 67 2Rd, Dongpu Town, Tianhe District, Guangzhou. Phone: +86 18122780460 Email: Jason@gzzemso.com Web: www.gzzemso.com