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Green Ideas Technology



2026 Product Catalog



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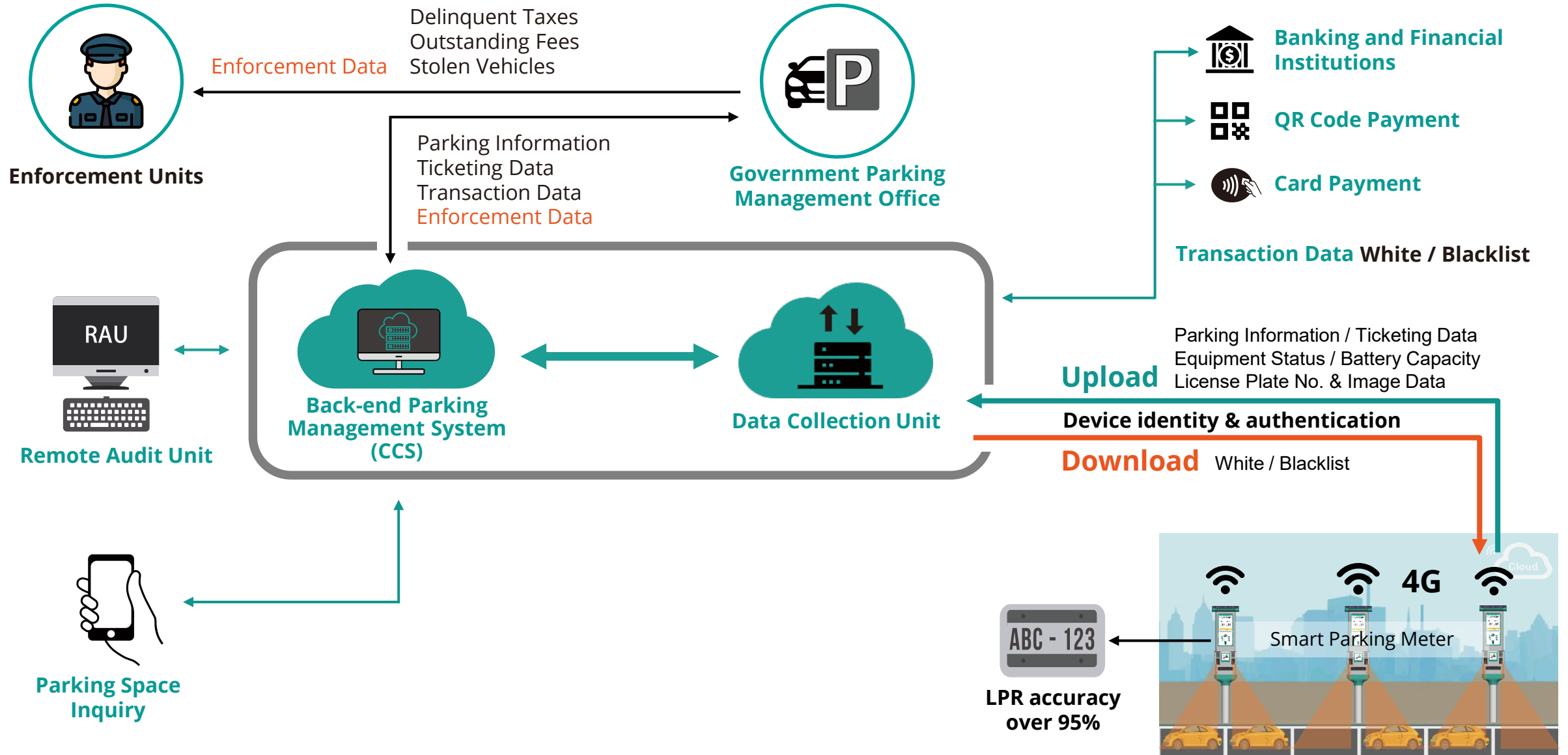
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Architecture of Smart Parking System



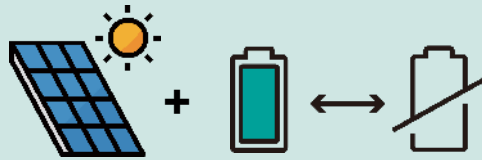


Smart Parking Meter Feature



IP66 SGS Certification

Dustproof, waterproof
shock-resistant
vandal-resistant



Solar Panel + Dual Battery Power Backup Design

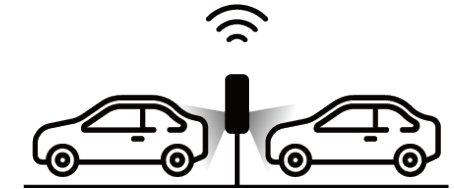
When one battery fails
the other battery can keep the system running



20 Minutes
Fast Construction
NO NEED
The Power Line



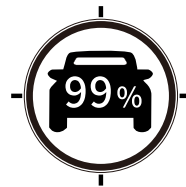
**Device monitoring
communication**
SW OTA upgrade



2 Parking Spaces
Manage / Control



Multiple Payment
QR Code & Prepay Card



99%
AI Vehicle Detection
Success Rate



RLCD / E Paper
Clearly visible under sunlight



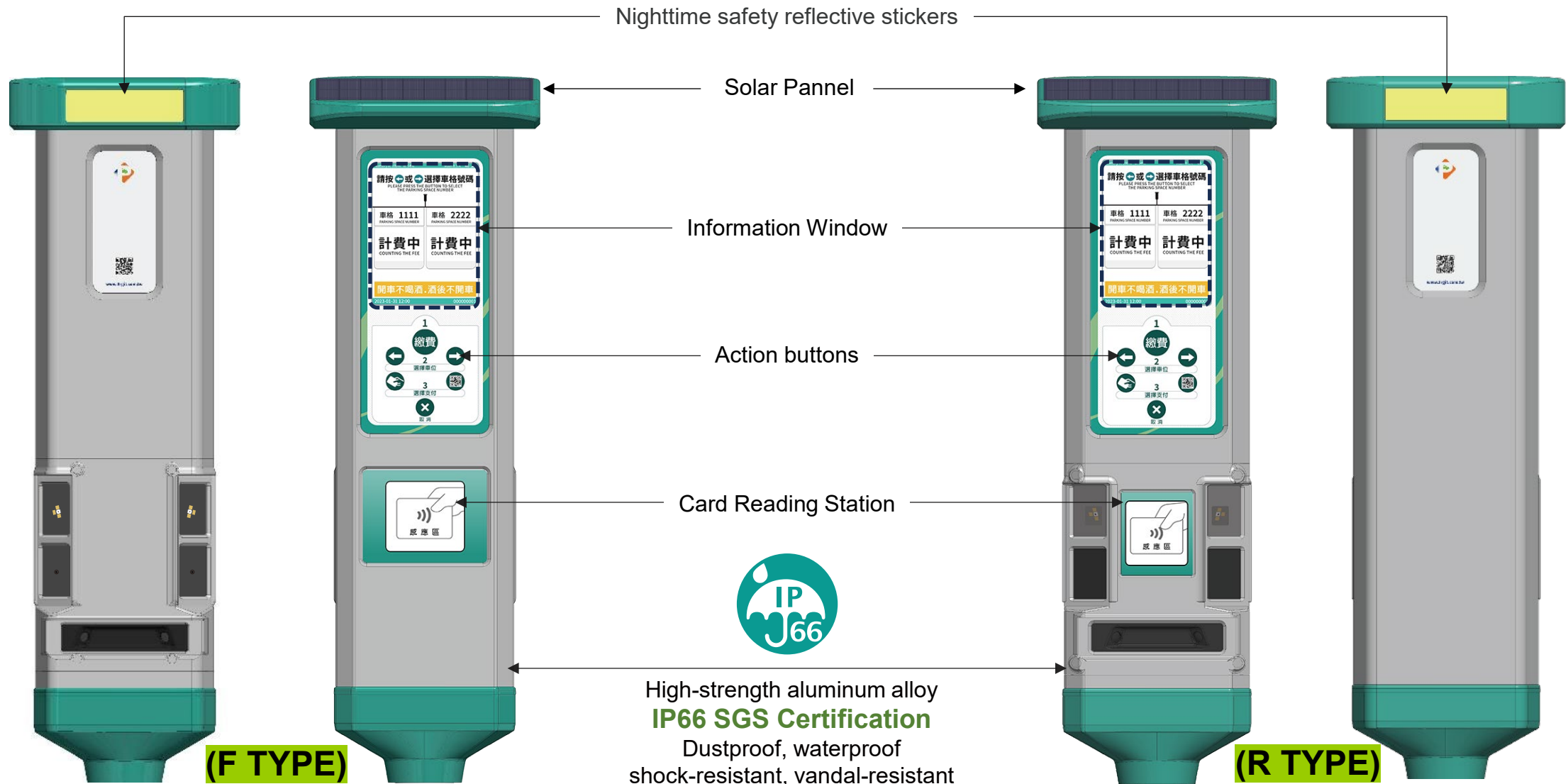
AI Deep Learning
LPR accuracy **> 95%**



Modular design
Quick maintenance



Smart Parking Meter - Touch Panel





The **WORLD'S LARGEST** roadside Smart Parking System **Hong Kong**

The project installed **12,300** Smart Parking **Meters** and nearly **20,000** roadside **parking spaces**, making it the largest Smart roadside Parking System in the world today.

It was completed in June 2022 after a construction period of 18 months. Please refer to official **website** of the Hong Kong transport department.





Case Study (Please click the link to watch the video)

Hong Kong

World's largest roadside Smart Parking System

Taipei

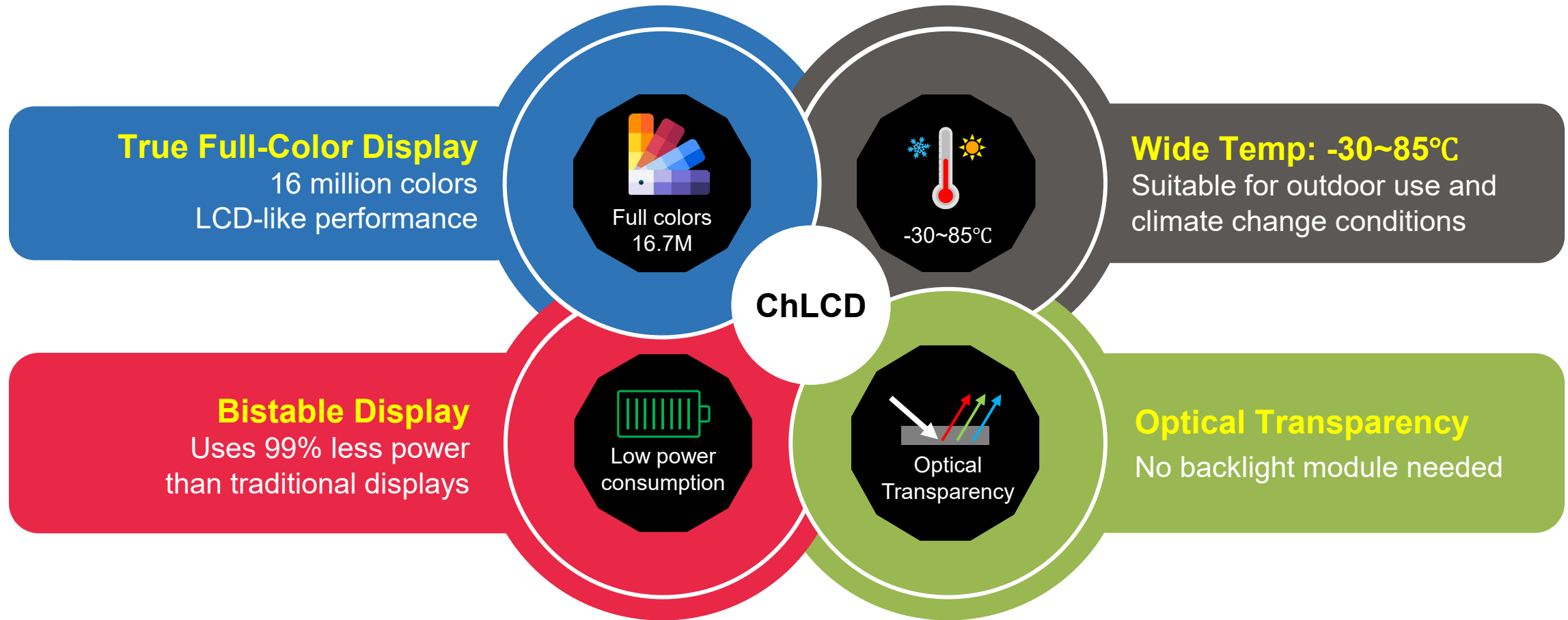
AI

Smart Parking Setting a New Standard



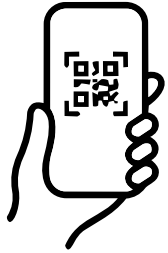
Core Technology of Cholesteric LCD E-Paper

Energy-Saving & Eye-Friendly | Global Sustainability





ChLCD Features



Mobile App

Operation and Management



Battery power

High mobility
Application anywhere



Power Saving Up to 99%

Compared to traditional
LCD and LED display



Wi-Fi 6 + BLE 5.4

Device monitoring

Content refresh
SW upgrade by OTA



Full color

16.77 Million colors



Reflective ChLCD

Visible in Sunlight
Front Light auxiliary
for Nighttime Use



-30°C ~ +85°C

Range of Operating
Temperature



E-paper display Almost zero power



24.8" : Parking Space Display



Model No. **CHLB30-A**

A.A : $\approx$ W 363 $\times$ H 515 mm

Size : $\approx$ W 439 $\times$ H 593 $\times$ D 52 mm



Solar Panel
(Optional)



LED Light
(Optional)



*1530 $\times$ 1080 pixels

*3mm(IK07) fully
laminated
tempered glass

*Anti-fog

*Anti-glare

*Anti-UV

IP66 SGS Certified
Aluminum alloy housing:
corrosion-resistant



32" : Outdoor Food Truck Menu

Model No. **CHL3200-A**

A.A : $\approx$ W 394 $\times$ H 698 mm

Size : $\approx$ W 477 $\times$ H 782 $\times$ D 51 mm

Solar Panel
(Optional)

LED Light
(Optional)

*1920 $\times$ 1080 Pixels
*3mm(IK07) fully laminated
tempered glass
*Anti-fog
*Anti-glare
*Anti-UV

IP66 SGS Certified
Aluminum alloy housing
corrosion-resistant

A-frame support
(Optional)





32" : Construction Instructions

Model No. **CHL3200-A**

A.A : $\approx$ W 394 $\times$ H 698 mm

Size : $\approx$ W 477 $\times$ H 782 $\times$ D 51 mm





32'' : Road running events

醫療 / 補給站 Medical / Aid Station

Model No. **CHL3200-A**

A.A : $\approx$ W 394 $\times$ H 698 mm

Size : $\approx$ W 477 $\times$ H 782 $\times$ D 51 mm





13.3" : Food & Beverage Industry / Counters

Model No. **GIT-133**

A. A : $\approx$ W 270 x H 202mm

Size : $\approx$ W 293 x H 236 x D 19 mm



White ABS+PC





27.6"/ 32" : Menu

Model No. **CHL276I-B**

A. A : $\approx$ W 343 $\times$ H 610 mm
Size : $\approx$ W 383 $\times$ H 649 $\times$ D 45 mm

Model No. **CHL320I-B**

A. A : $\approx$ W 394 $\times$ H 698 mm
Size : $\approx$ W 437 $\times$ H 742 $\times$ D 45 mm





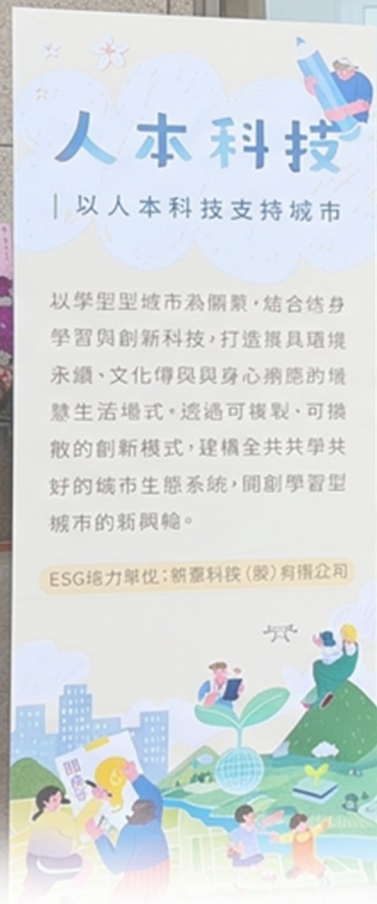
27.6"/ 32" : Event Information

Model No. **CHL276I-B**

A.A : $\approx$ W 343 $\times$ H 610 mm
Size : $\approx$ W 383 $\times$ H 649 $\times$ D 45 mm

Model No. **CHL320I-B**

A.A : $\approx$ W 394 $\times$ H 698 mm
Size : $\approx$ W 437 $\times$ H 742 $\times$ D 45 mm



CULTURE





27.6"/ 32" : Showcase Application

Model No. **CHL276I-B**

A. A : $\approx$ W 343 $\times$ H 610 mm
Size : $\approx$ W 383 $\times$ H 649 $\times$ D 45 mm

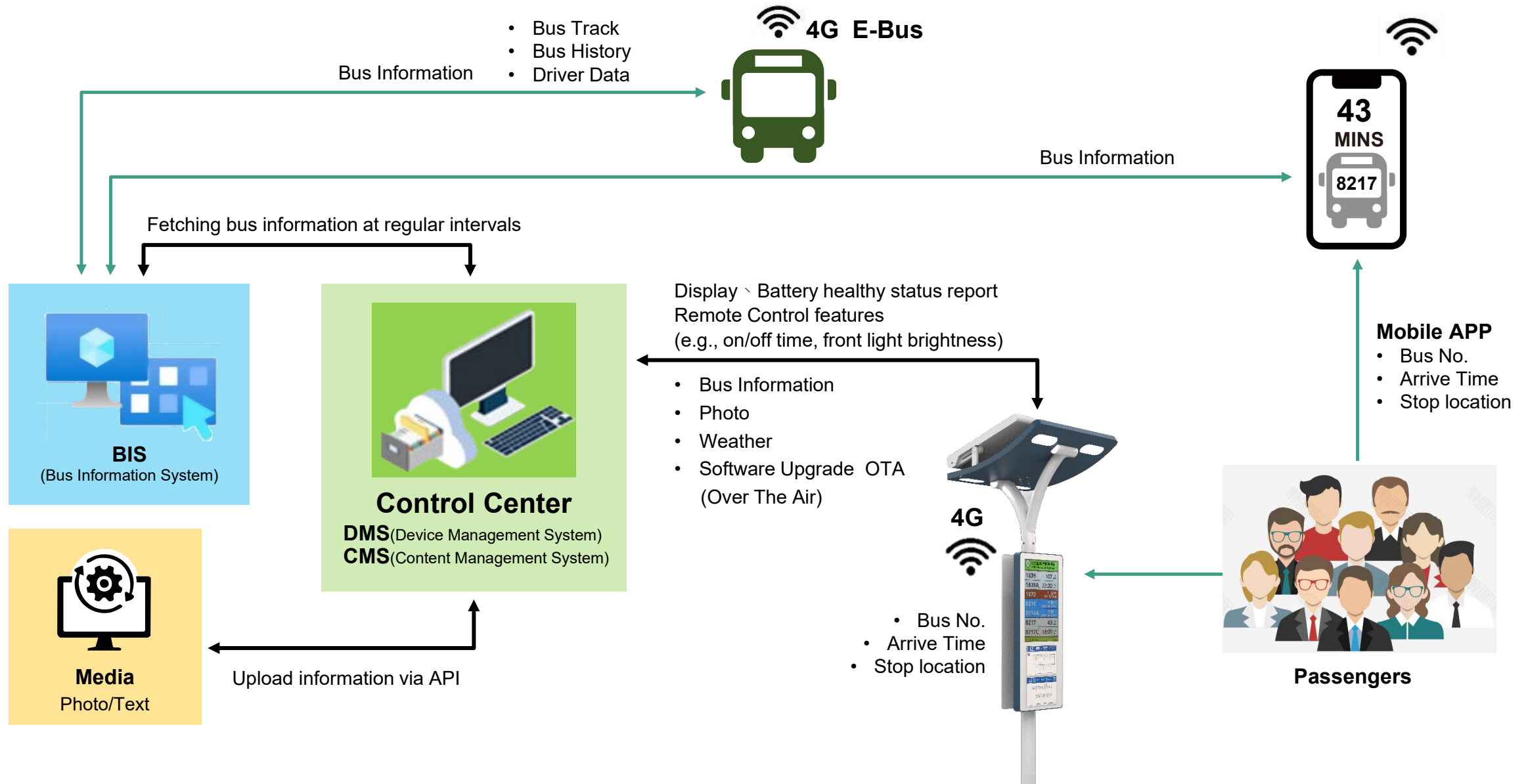
Model No. **CHL320I-B**

A. A : $\approx$ W 394 $\times$ H 698 mm
Size : $\approx$ W 437 $\times$ H 742 $\times$ D 45 mm





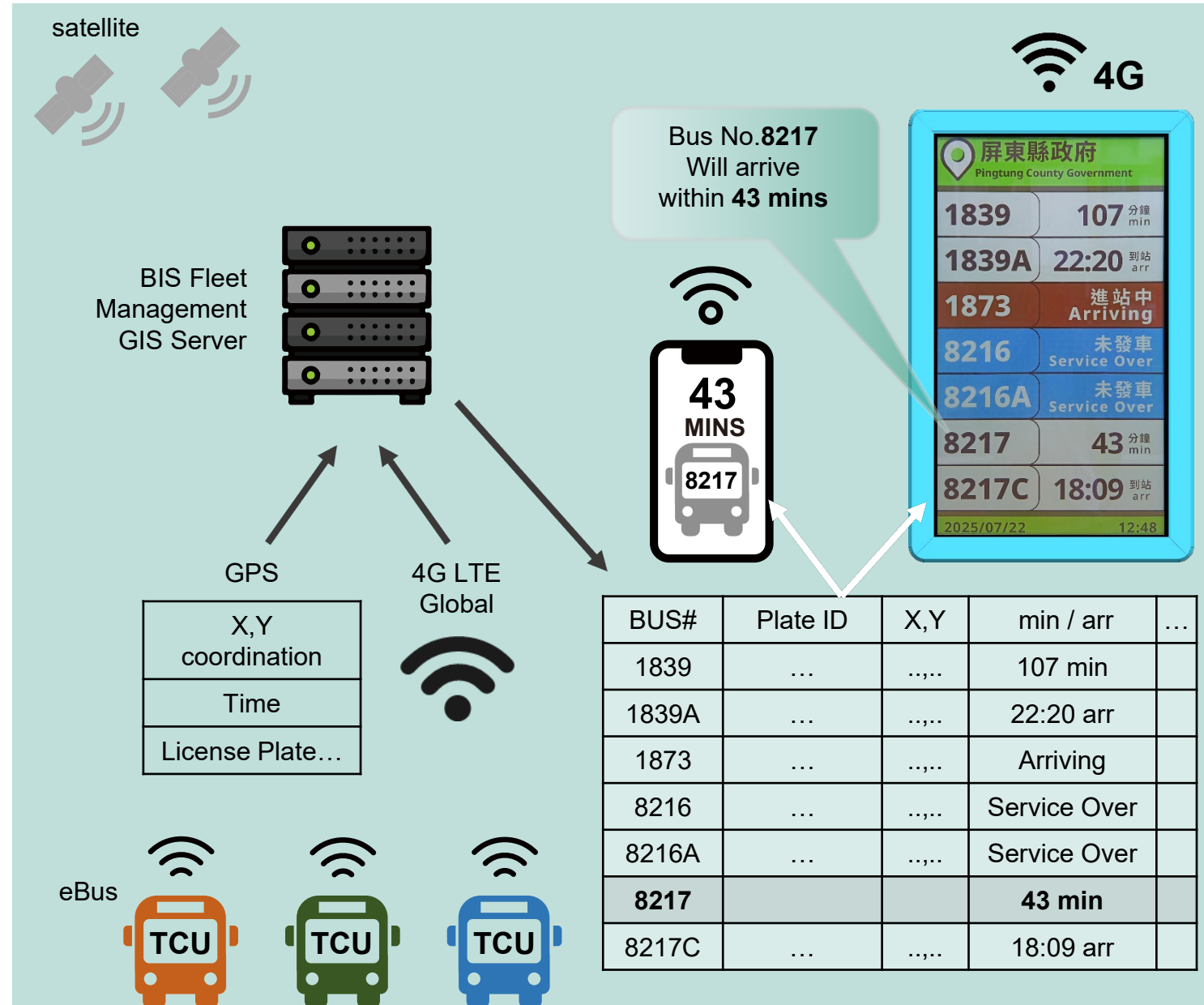
Smart Bus Stop Display System Architecture





How Smart Bus Stop Display Working?

- Every bus will install a TCU (Telematics Control Unit) and periodically report its GPS coordinates to the BIS (Bus Information System) center through 4G communication equipment.
- The BIS center had built all the positions of Bus Stop in geographic format and receives the coordinates from each bus. With the coordinate data, the BIS can calculate average speed of each bus and estimate the arrival time.
- The bus stop display also connect the BIS center through 4G communication and receives information such as the arrival time for each bus stop and display it on the screen.
- Passengers waiting for bus at the bus stop can now see the arrival time on the display which made them comfortable to grasp their time.
- Use App to check bus arrival time at home and walk to the bus stop easily.





The Benefit of Smart Bus Stop Display

- Bus line no.1839 will arrive within 107 mins
- Bus line no.1839A will arrive at 22:20
- Bus line no. 1873 is Arriving
- Bus line no.8216 Service over
- Bus line no.8216A Service over
- **Bus line no.8217 will arrive within 43 mins**
- Bus line no.8217C will arrive at 18:09

I have been waiting for 20 minutes!

Use App to check bus line **#8217**, **43 mins** to arrive, I can walk to the bus stop later.
So convenient for using App !



BIS APP

Another convenience is to check the bus arrival time through the BIS App; passengers can decide when to arrive at the bus station and take the bus without wasting time.

User can arrange time at home or office according to the bus arrival time that made you won't waste time waiting or miss the bus. This is the convenience and service that a modern Smart Bus Stop can bring to everyone.

Bus line #8217 43 mins to arrive

5 mins by walk before bus arriving





Smart Bus Stop Display system in Pingtung County, Taiwan





Smart Bus Stop Display: Dimensions & Specifications

Model No. **CHL1330-C**

A.A : $\approx$ W270 $\times$ H202 mm

Size : $\approx$ W384 $\times$ H317 $\times$ D52 mm

13.3"



Model No. **CHLB30-C**

A.A : $\approx$ W363 $\times$ H515 mm

Size : $\approx$ W472 $\times$ H625 $\times$ D52 mm

24.8"



Model No. **CHL3200-C**

A.A : $\approx$ W394 $\times$ H698 mm

Size : $\approx$ W504 $\times$ H809 $\times$ D52 mm

32"



Model No. **CHL2490-C**

A.A : $\approx$ W609 $\times$ H166 mm

Size : $\approx$ W698 $\times$ H255 $\times$ D48 mm

24.9"



For products information or inquiries, please contact us. ✉ jessitsay@3rgit.com.tw ☎ +886-2-2341-1168 📍 4 F., No. 138, Sec. 1, Zhongxiao E. Rd., Zhongzheng Dist., Taipei City 100024, Taiwan (R.O.C.)

