

# **Real-time Positioning Navigation and Maximum Security for Ebikes and Riders**

**What IoT features does the eBike screen have in addition to basic display functions?**

## **1. Real-time Navigation**

The [\*\*ebike display\*\*](#) maps the navigation route and links with turn signals to indicate directions in advance, ensuring safety and peace of mind.

## **2. Vehicle Upgrades supported by ebike screen**

Supports network communication, positioning, and vehicle control communication.

## **3. Smarter Detection & Voice Broadcast**

Detects falls, vibrations, and tilts to provide real-time vehicle status updates.

## **4. Tamper Alert**

Continuously monitors the vehicle and automatically alerts when abnormal activity is detected, ensuring security.

## **5. Phone Charging**

Allows charging of mobile phones directly from the display.

## **6. Wide Compatibility**

Compatible with various vehicle models and handlebar types.

## **7. High-Level Waterproofing**

The ebike screen keeps working well in rainy days as it is designed with waterproof high-level IP67.

## Smart Driving Control All in One Screen

Smart 4G Display  
Designed for E-bikes and E-scooters



GPS

### High-Precision GPS Positioning

GPS positioning technology and signal sources deliver high-precision location data.



### 4G network communication

High-speed wireless data transmission



HD voice  
broadcast

Wide input  
voltage

# Scene

## Multi-Vehicle Application Scenarios



Compatible with multiple vehicle types, suitable for urban rentals and personal riding.





# Function

## Multi-functional Integration



### Mapping Function

Navigation

The display shows real-time navigation data to guide riders with accurate directional cues for effortless cycling.



### BLE5.2

Bluetooth

Energy-efficient with long-range connectivity for hassle-free cycling, eliminating dropouts from distance limits.

## Why ebike screen matters?

### For Individual Riders:

More advanced control and ride data

Navigation, OTA updates

## For eBike Sharing & Rental Fleets:

Centralized management via the cloud

Real-time status of bikes(battery,location,issues)

Improves efficiency and reduces maintenance downtime

# Detection

## Detection & Voice Broadcast



*Fall Detection*

*Vibration Detection*

*Anomaly Detection*

*Voice Broadcast*

# **Waterproof** IP67-rated dustproof and waterproof

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The module achieves IP67 waterproof rating, capable of withstanding 30-minute submersion at 1-meter depth without damage, making it suitable for harsh environments



# IoT-enabled Smart Display

Super IoT functionality, smarter ride





# Compatible

## Adaptation & Communication



### ● Wide voltage compatibility

*Wide Voltage Input Range: Supports 24V-72V wide voltage input, compatible with various vehicle battery systems for strong adaptability.*

*Voltage Protection Mechanism: Built-in over-voltage and under-voltage protection circuits ensure safe module operation under abnormal voltage conditions.*

### ● Dual-Mode Communication Advantages

*4G CAT1 (100Mbps): Ensures real-time vehicle data streaming.*

*BLE5.2 (10m range): 30% more battery-efficient with instant pairing.*

## Product Specifications





# More Specifications

Waterproof rating

IP67

Audio

24bit, 8-96Kbps frequency

Bluetooth

BLE 5.2

Speaker

Class D amplifier, 4Ω 2W speaker

SIM card

Nano SIM

Casing material

PC plastic

One-stop Global IoT Solution Provider

## WHY CHOOSE OMNI?



**20+**

20+ years factory

**20+**

20+ years in client service

**200+**

More than 200 Employees (over 50 R&D Personnel)

**6000**

6000 Square Meters of Office Space

**4**

4 Professional Production Lines

**2亿+**

Over 150 Million Users Using OMNI Positioning Service

**600万+**

Sold terminal IoT equipment