



# Smart Street Lighting Control Solution

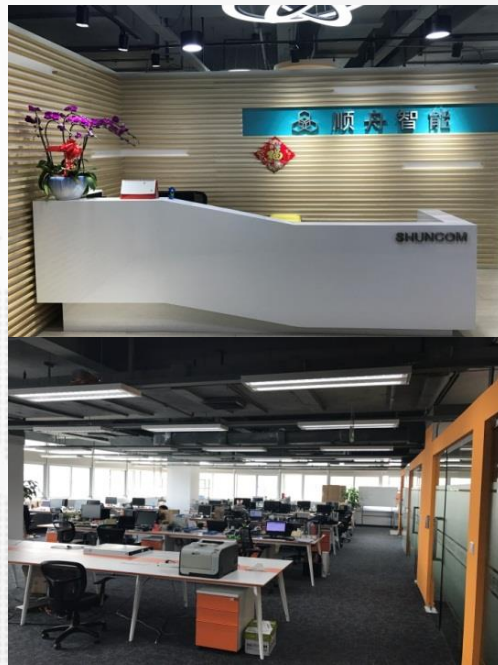


Shanghai Shuncom Smart Technology Co.,Ltd

[www.shuncom.com](http://www.shuncom.com)

## Company Profile

Shuncom Smart can provide smart lighting in different areas of application of Internet of Things solutions, the system includes lighting controller, lighting controller receptacle, gateways, system control cloud platform. Upstream and downstream companies of the joint industrial chain companies, form a strong ecosystem, to provide one-stop service for end customers. "Technology stems from wisdom, products come in earnest", hoping to create value for you!



# Intelligent street lighting System Diagram



- **Software platform**

- **Gateway**

- **Street lighting controller**



# Street lighting controller

Using ANSI C136.41 international standard;  
One way switch and 0-10v or PWM dimming signal output;  
Local timing, latitude and longitude control function;  
Install simply, no wiring and easy-maintenance;

## Model: SZ10-NEMA



# Street lighting controller

Global free frequency band of 2.4G ISM;

One way switch and 0-10v or PWM dimming signal output ;

Product grade: IP65;

**Model:SZ10-R1A**



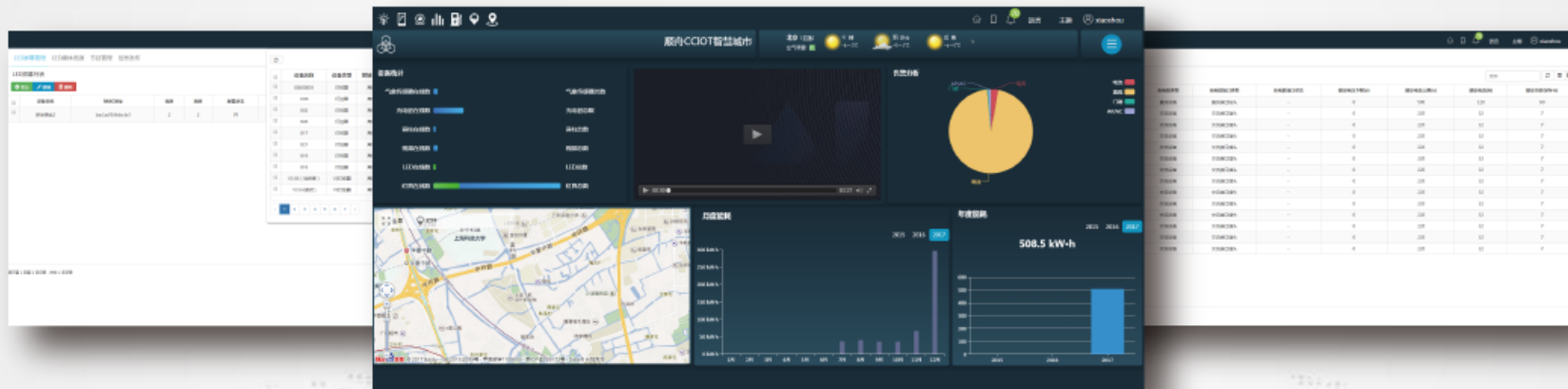
# Gateway

Support WIFI, 4G, Ethernet port access to the Internet;  
Support a variety of modes and wireless extensions;  
Rich interface and protocol;  
Super anti-interference, working hours uninterrupted;

## SZ11-GW-3



# Smart lighting CCIOT control system platform



## Shuncom CCIOT Platform



Energy Consumption Analysis



Fault alarm



street lamp control



Map monitoring



Remote meter reading



Strategic Management

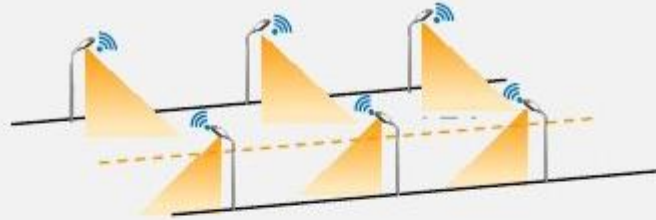
# Smart lighting APP



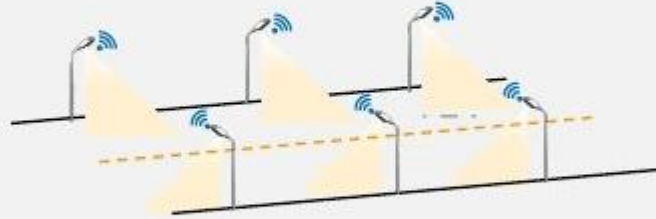


## Scene 1 : Switch/Dimming control

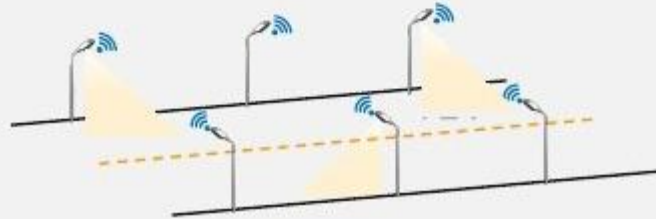
More people/car traffic aft  
sunset : **100%** brightness



Less people/car traffic  
at night : **50%** brightness



Barely people/car traffic  
at midnight: **50%** brightness  
**With Lighting Interval control**



### Scene description

According to the setting of the lighting control plan.

Gateway can adjust the switch and brightness of every lamp automatically

Besides, gateway calculate time of sunrise and sunset according to the latitude and longitude algorithm, So to achieve the maximum degree of energy saving.

## Scene 2: automatic brightness

### adjustment in bad weather



Traditional control method  
Has problem !

### Scene description

Traditional street lamp: Through  
Manual 、 timer、 fixed way to control

When bad weather comes, tradition way  
Unable to provide flexible、 promptly  
lighting plan , which cause road safety  
risk



Street lamp  
smart solution

Shuncom smart lamp control solution  
add wireless brightness sensor, opens  
the street lamp when the brightness  
threshold is lower than set value ,  
Reduce risk and improving public  
satisfaction



# Smart lighting project cases



**Bird Nest Intelligent Lighting Project  
in Beijing City**



**Smart lighting project in an area of  
Malaysia City**



**Energy saving reform project in a  
District of Indonesia City**



**Tunnel LED lighting project in an area  
of Shanghai City**



**Street lighting project in an area of  
Chile City**



**LED street lighting project in an area  
of Argentina City**