



Sports



Factory



Road & Street

NETTO

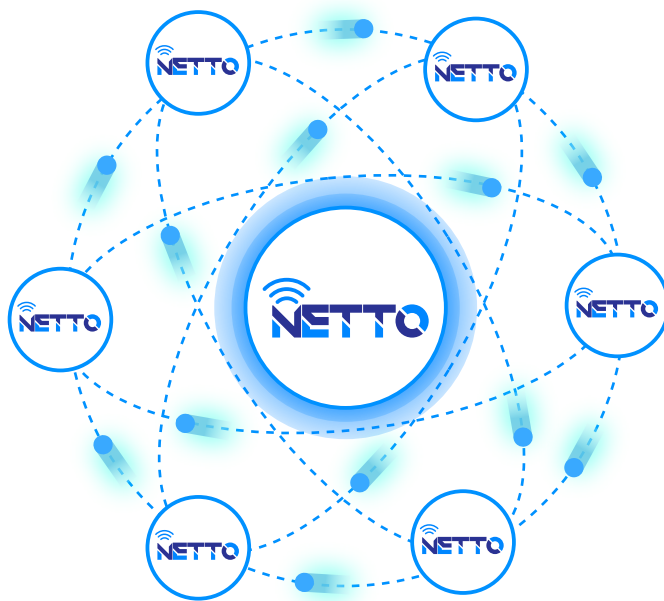
Smart Lighting System

About Netto

Netto is a wireless lighting control system designed for maximum flexibility, making it ideal for both indoor and outdoor applications. By leveraging network-based controls, Netto allows for smarter and more efficient lighting management. Instead of controlling each luminaire individually, luminaires are grouped into zones in software, enabling centralized control through scenes, schedules, or sensor inputs such as photocell, daylight or motion sensors. This approach ensures optimal lighting performance and energy efficiency.



WHY choose Netto?

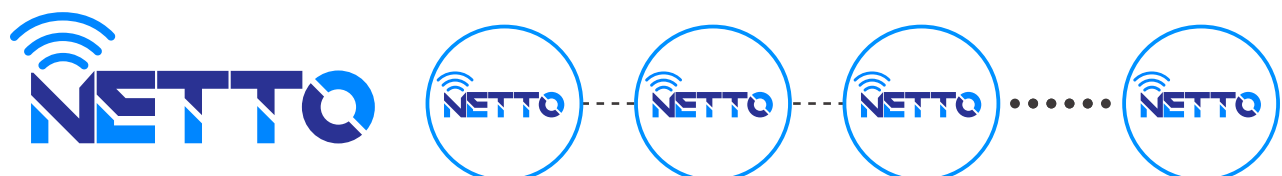


Stable and reliable mesh network

With Netto, each Netto controller in the mesh network can connect wirelessly to its neighbors, creating multiple communication paths. If one luminaire fails or signal blockage occurs, data can be relayed through neighboring controller, ensuring continuous communication and this ensures reliable communications, effectively by passing control obstructions and enhancing signal strength.

Ultra long distance transmission

As each luminaire in Netto mesh network can connect wirelessly to its neighbors, network signals can be transmitted between luminaires, and the controllers can serve as relays to extend the signal transmission distance. There is no limit to the signal transmission distance. As long as one gateway is needed, ultra-long distance communication can be achieved.



User-friendly interface

- Project background and logo can be set at will.
- Luminaires can be moved whatever you want.
- Luminaires status is easy to read.
- The flexible toolbar helps you easily control the system.
- Humanized boot mode helps novices get started quickly.
Click on the luminaire's icon, control luminaire's status.
- One-click selection of luminaires can be grouped.

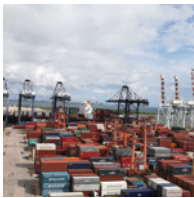


Easy operation functions

- One-click import of luminaires IDs-Turn on light, enter ID.
- Schedules can be based on the time or the sunset and sunrise in local time.
- The integrated design of the sensor and single luminaire controller can reduce the installation of accessories.
- Single luminaire controllers are available in two forms to meet the installation needs of different luminaires(Zhaga book 18 and elongated structure).
- There are multiple communication methods between the Netto Box and the PC: 4G/Wifi/network cable.



WHERE Netto can be used?



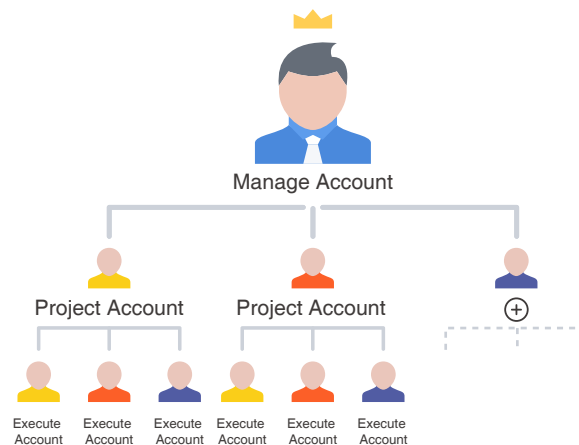
Netto has a high degree of compatibility and can match the needs of different projects to provide you with a customized system. You can control the luminaire more easily and conveniently. Whether indoors or outdoors, our system provides safe, reliable and user-friendly solutions.

- Sport Stadium & Sport Field
- Harbor
- Factory
- Road & Street
- etc...

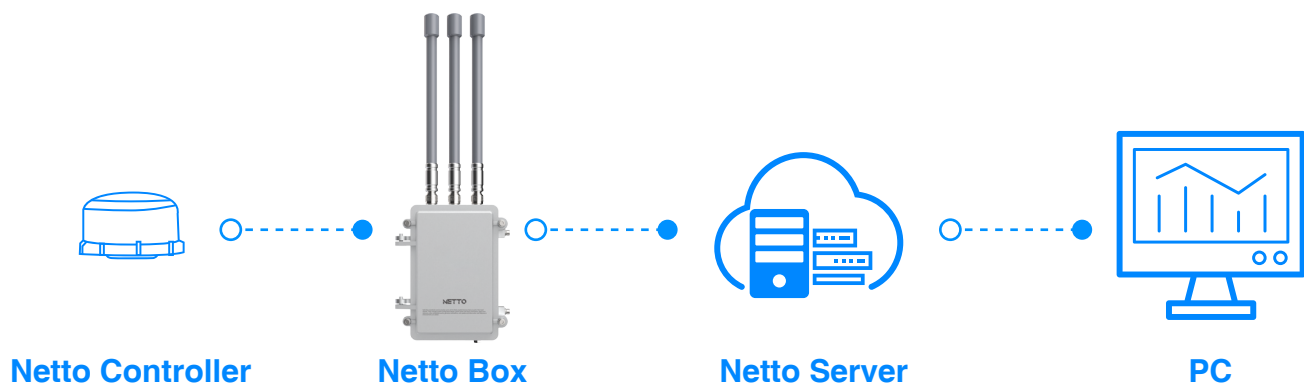
WHO can use Netto?

The system can set different levels of users, and different users have different operation permissions.

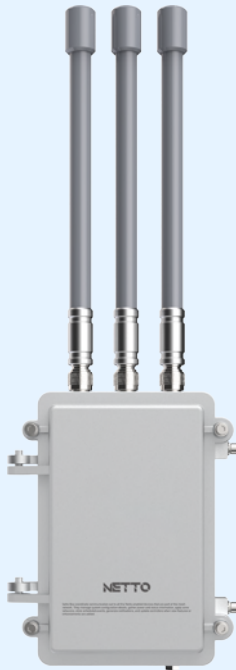
- Manage Account
- Project Account
- Execute Account



HOW Netto works?



KEY HARDWARE COMPONENTS



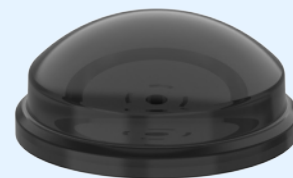
Netto Box

Netto Box is a key component in the Netto Smart Lighting System. Netto Box communicate with all Netto controller in the mesh network.

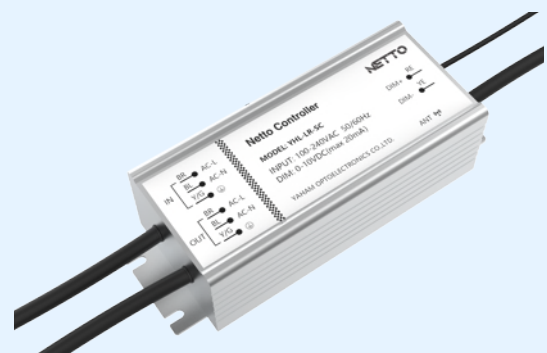
Netto Controller

Netto Controller is an intelligent wireless lighting controller that opens an exciting integration path for LED luminaires.

- **Zhaga version** can be plug- and-play directly on the luminaire. Ideal for brand new projects.
- **Long version** can be controlled with multiple luminaires in one controller. Suitable for old projects upgrade and separate electrical box solution of the sport projects.

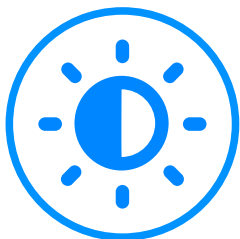


Zhaga Version



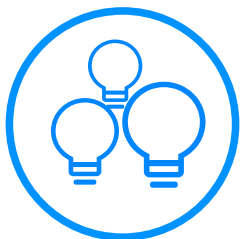
Long Version

KEY FEATURES



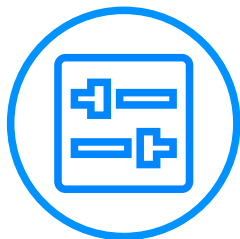
Individual Dimming control

ON/OFF/Continuous dimming.



Groups control

Create groups of luminaires based on location, function, or type of luminaire.



Scenes control

Create customized system behaviors for one Zone or multiple Zones.



Schedules

Automate scenes or specific changes using the built in 5 year calendar.



Alerts and alarms

Notifications are sent immediately when issues are detected.



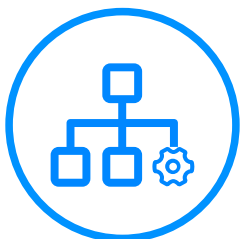
Energy monitoring

Compare years of energy data across multiple zones.



Multiple project management

Single log-in and one interface to manage multiple projects.



Third-level account settings

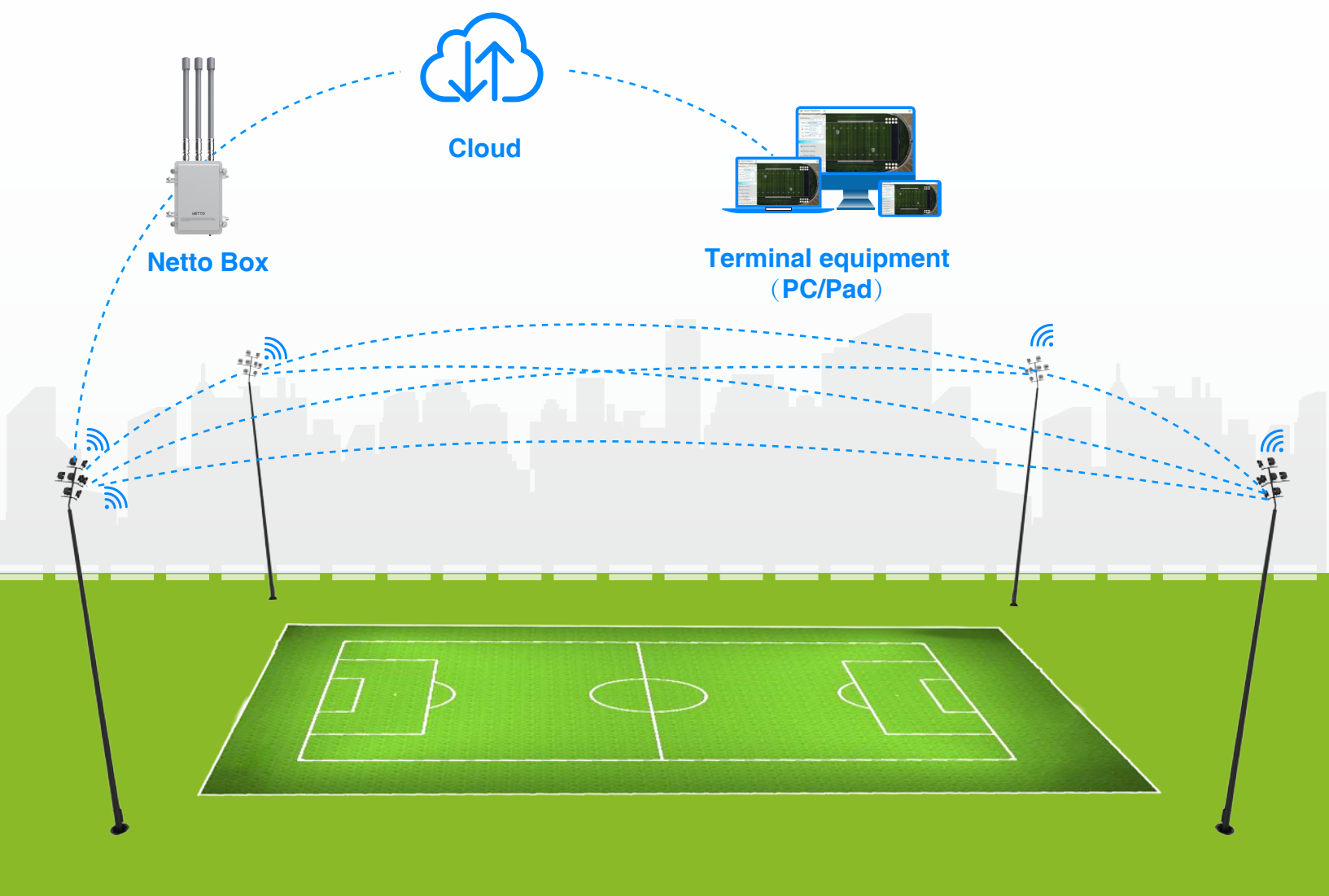
Manage/Project/Execute Account.



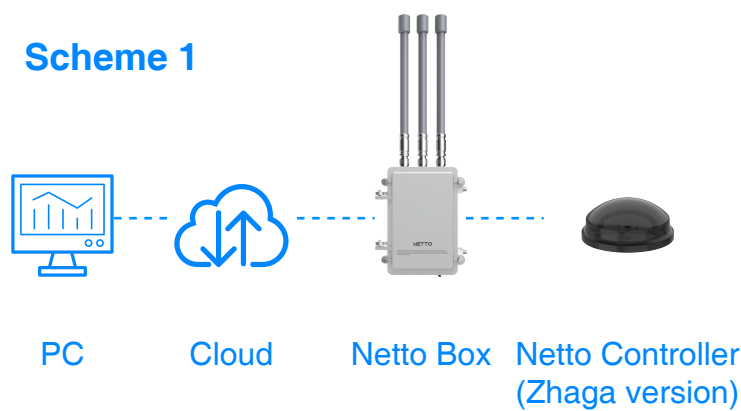
Sensor support (Coming soon)

Use sensors(motion/daylight) to manage behavior sacrtoss groups of luminaires.

SPORTS

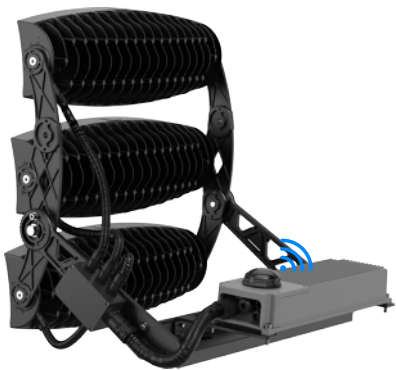


Scheme 1

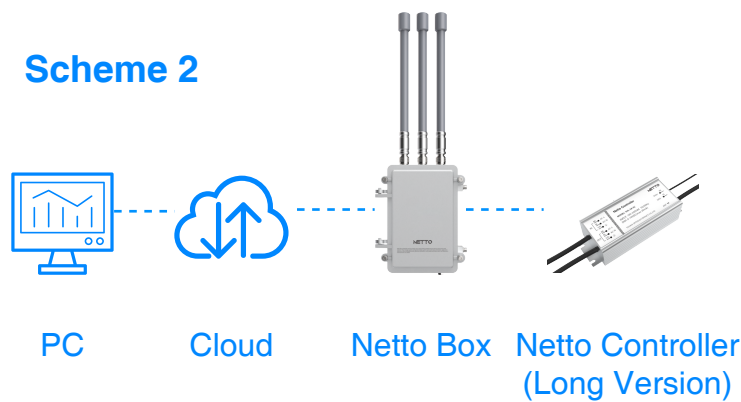


Application

One Zhaga Version Controller for one light



Scheme 2

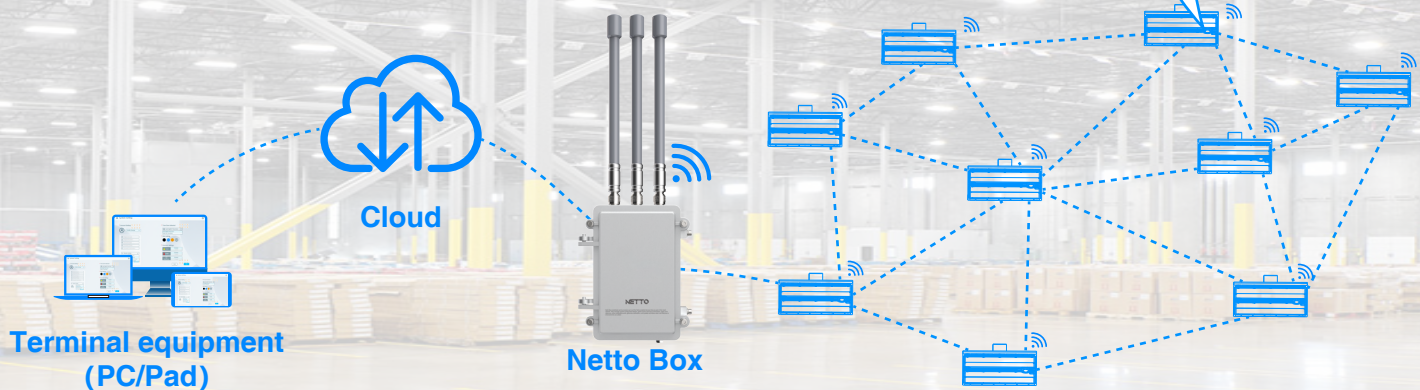


One Long Controller for one Pole, build in electrical box



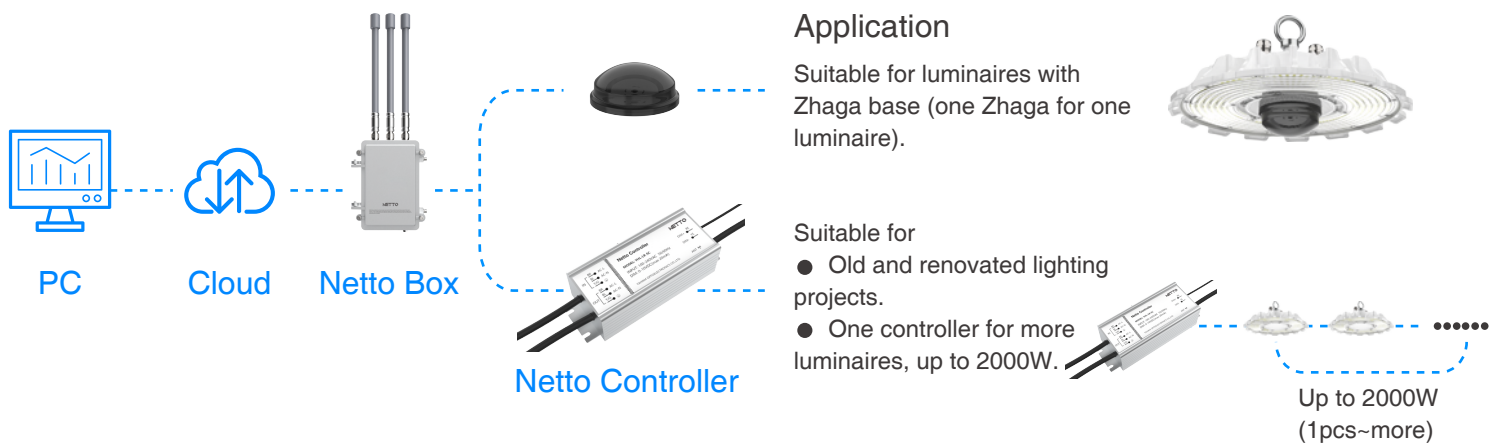
INDUSTRIAL

Netto Controller

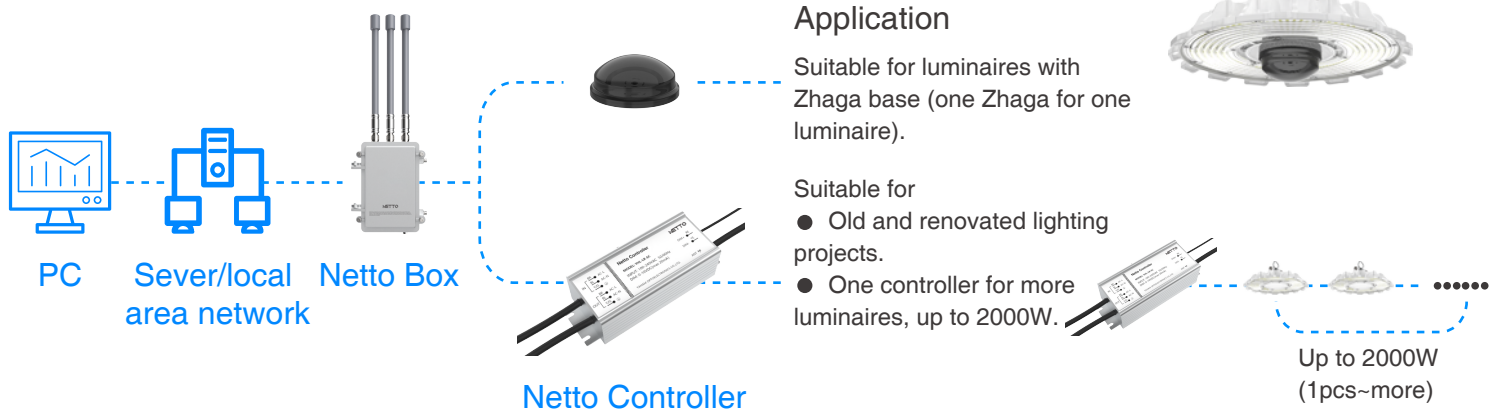


Scheme 1

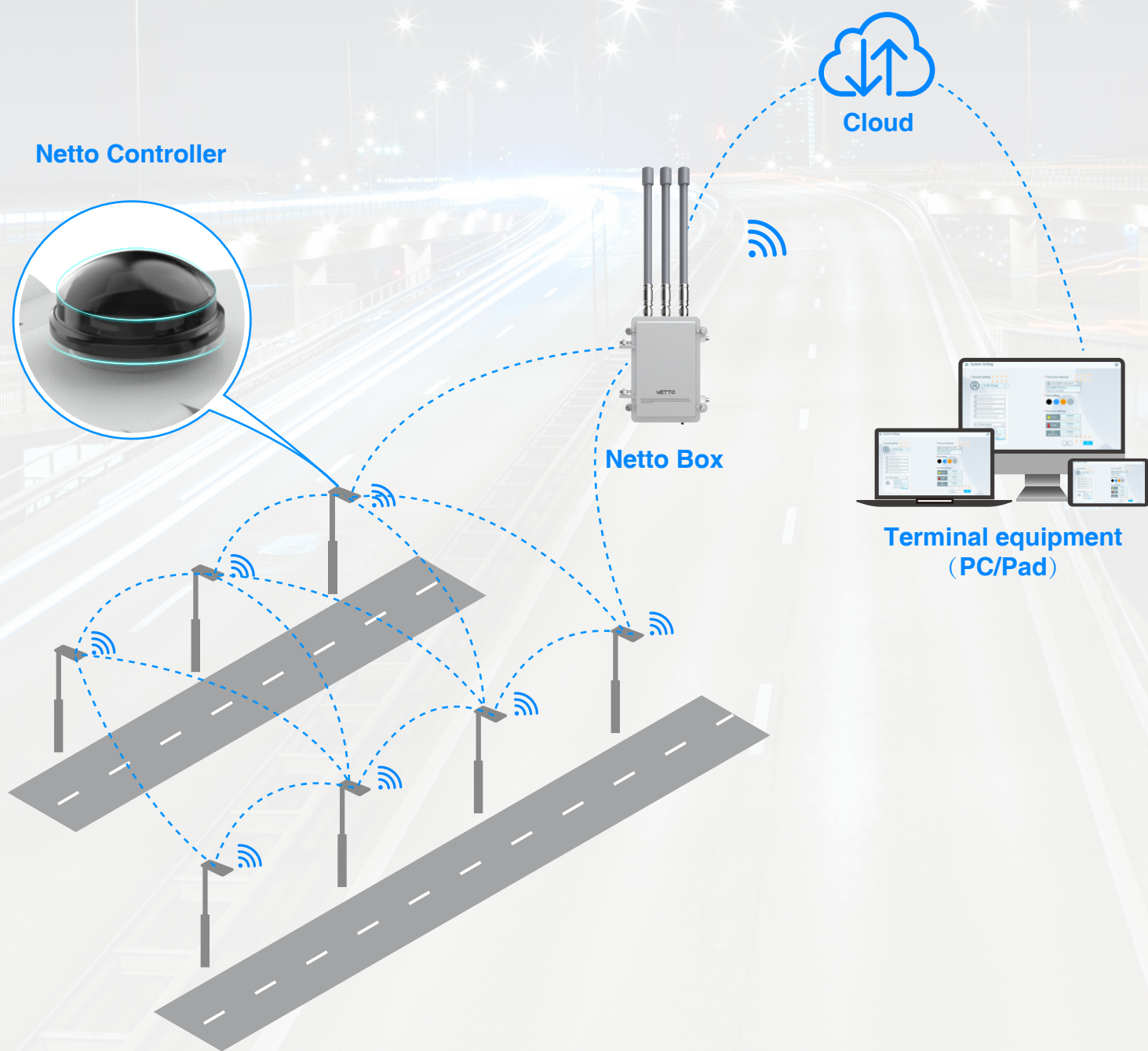
Applicaition: Remote control (cloud based) can be achieved both inside and outside of the factory.



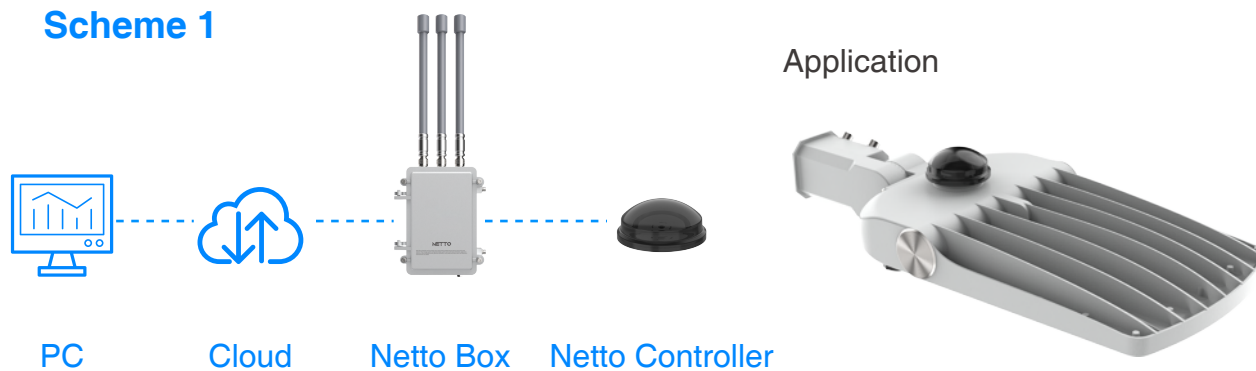
Scheme 2



ROAD AND STREET



Scheme 1



ACCESSORIES INTRODUCTION

Netto box manage system configuration details, collect power and status information, apply group behaviors, store scheduled events, generate notifications, and update controllers when new features or enhancements are added.

Netto Box



Rated voltage	AC 100-277V
Rated wattage	5W max
Surge protection	10KV
Uplink communication	Cellular/WiFi/Network cable
End to end transmission distance	≥ 150m
Load quantity	255pcs
Working temperature	-40 °C ~+50 °C
IP rating	IP66

The small size and low cost make this DC-powered wireless controller versatile enough to be connected to nearly any wattage LED Luminaire.

Netto Controller Zhaga Version



Rated voltage	DC 12-24V
Load power	No limit
Dimming method	0-10V/1-10V DALI-2 DALI D4i (Support power metering, fault statistics, over-temperature protection monitoring)
Communication	Netto mesh network
End to end transmission distance	≥ 150m
Working temperature	-40 °C ~+50 °C
IP rating	IP66

Netto Controller Long Version



Rated voltage	AC 100-277V
Surge protection	10KV
Load power	Up to 2000W
Dimming method	0-10V/1-10V DALI-2 DALI D4i (Support power metering, fault statistics and over-temperature protection monitoring)
Communication	Netto mesh network
End to end transmission distance	≥ 150m
Working temperature	-40 °C ~+50 °C
IP rating	IP66



YAHAM[®] Lighting

Tel: +86-755-29435812

Web: yahamlighting.com

E-mail: sales@yahamlighting.com

Add: #118 Yongfu Rd, Qiaotou Community, Fuyong,
Bao an District, Shenzhen, P.R. China, 518103