# Product Technical Specification

Product Name：Intelligent control gateway
Product Model：DS-TLSLD-ODH
Version：V1.0
Date：2021.4.15

| Proposed | Audit | Approval |
|---|---|---|
|  |  |  |

Hangzhou Hikvision Digital Technology Co.

# Catalog

## 1. Product Overview

   DS-TLSLD-GJ-1 series intelligent central control box is the hardware management hub of wisdom light pole, which is the central control equipment to meet the end-user's remote control of equipment. It contains leakage protection system, power conversion system, AC/DC power control system, data collection system, network routing and exchange system, etc., and works with the wisdom terminal equipment management platform system. The device is designed based on the IOT technology architecture, which can meet the data collection and intelligent control of smart terminal devices, and has a certain degree of expandability to facilitate the access of new devices under the existing hardware.

## 1.1 Product functions and features

- It is mainly used for power supply and control of lighting, display, environment awareness, camera, one-touch call and other modules, and also can exchange data with the control center to facilitate remote management of smart street lights.
- The box integrates intelligent power controller and industrial-grade switch to realize one-stop access to intelligent IOT devices, which not only simplifies the project network, but also greatly improves the stability of equipment connection and communication.
- Intelligent power controller is a power management device that integrates power switch, energy consumption statistics and serial communication. The device adopts a high-performance arm processor, increasing the latching function of the switching signal processing method, external watchdog, real-time clock, control signal opto-coupler isolation, power failure reset circuit and other mechanisms to ensure reliable and stable operation.
- It adopts remote control management mode, real-time data collection, real-time uploading of equipment operation status and abnormal alarm.
- Automatic operation and maintenance: remote monitoring and operation and maintenance of the pole/optical/electrical/equipment can be realized.
- Zero-fire line double-way anti-surge 30KV protection.

## 1.2 Product interface parameters

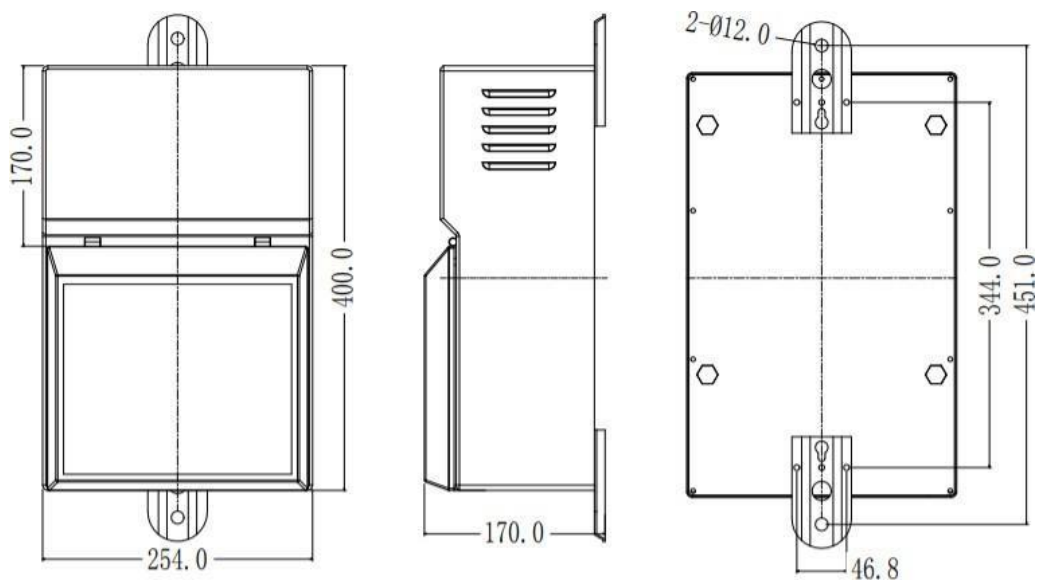| interface | Quantity | Description |
|---|---|---|
| AC 220V Input | 1 | Total Equipment Input |
| AC220V Output Interface | 3 | 10A |
| AC220V Output Interface | 1 | 10A |
| 0-10V Dimming Interface | 2 | 0-10V(Imax 5mA Manual or automatic output voltage adjustment Output voltage) |
| DC12V Output | 2 | 5A （Remote control or timed on/off） |
| DC12V Output | 2 | 5A （No remote control function） |
| Switching Interface | 1 | Switching signals such as door magnets can be connected |
| RJ45 Interface | 8 | Network Communications，10/100Mbps |
| RS485 Interface | 1 | RS485 Communication Interface |

## 1.3 Product technical parameters

| Product Parameters | | |
|---|---|---|
| **Specification** | **Parameters** | **Remarks** |
| Operating Voltage | 160-220V~/50Hz | |
| Maximum input current | 16A | |
| Standby power consumption | 5W | |
| Lightning protection | L/N 30KV | |
| Working temperature | -20-+70°C | |
| Working Humidity | 10%-90% | In the non-condensing state of water droplets under |
| Product Size | 400*254*155mm | |
| Product Weight | 10KG | |
| Installation method | Exposed installation（Wall-mounted） | Center distance：451mm |
| Protection grade | IP44 | Suitable for use in equipment bins |

## 2. Product Size

## 2.1 Product Appearance



## 2.2 Installation Size



## 3. Product Portfolio

## 3.1 Accessory specifications

| Name | Quantity | Remarks |
|---|---|---|
| Host | 1 | |
| Network cable | 1 | CAT-5 RJ45 cable |