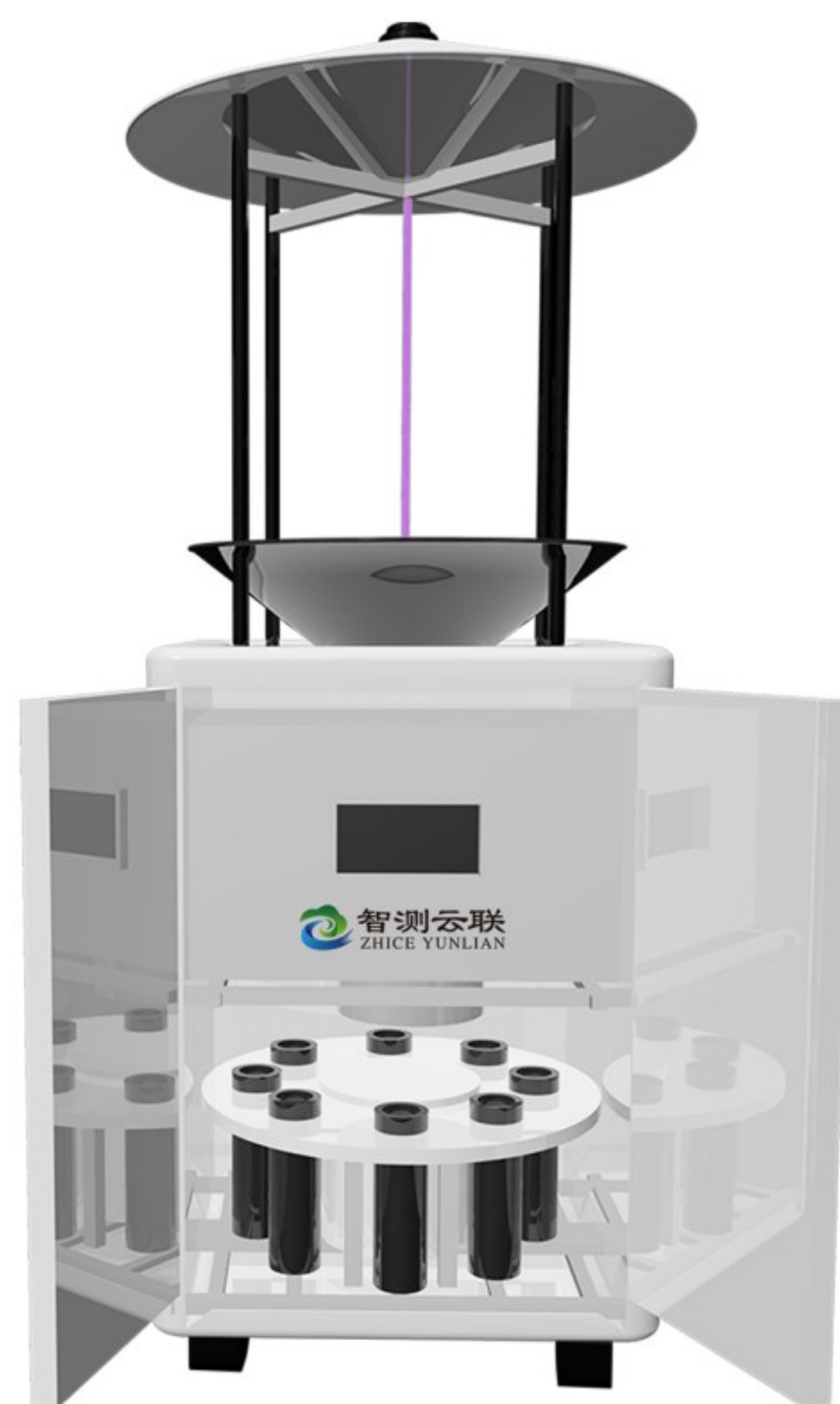




INSECT CONDITION MONITORING LAMP 2



Product Overview

Zhice Yunlian INSECT CONDITION MONITORING LAMP 2 adopts optical, electrical and numerical control technologies to realize functions including pest trapping, pest killing and sample sorting.

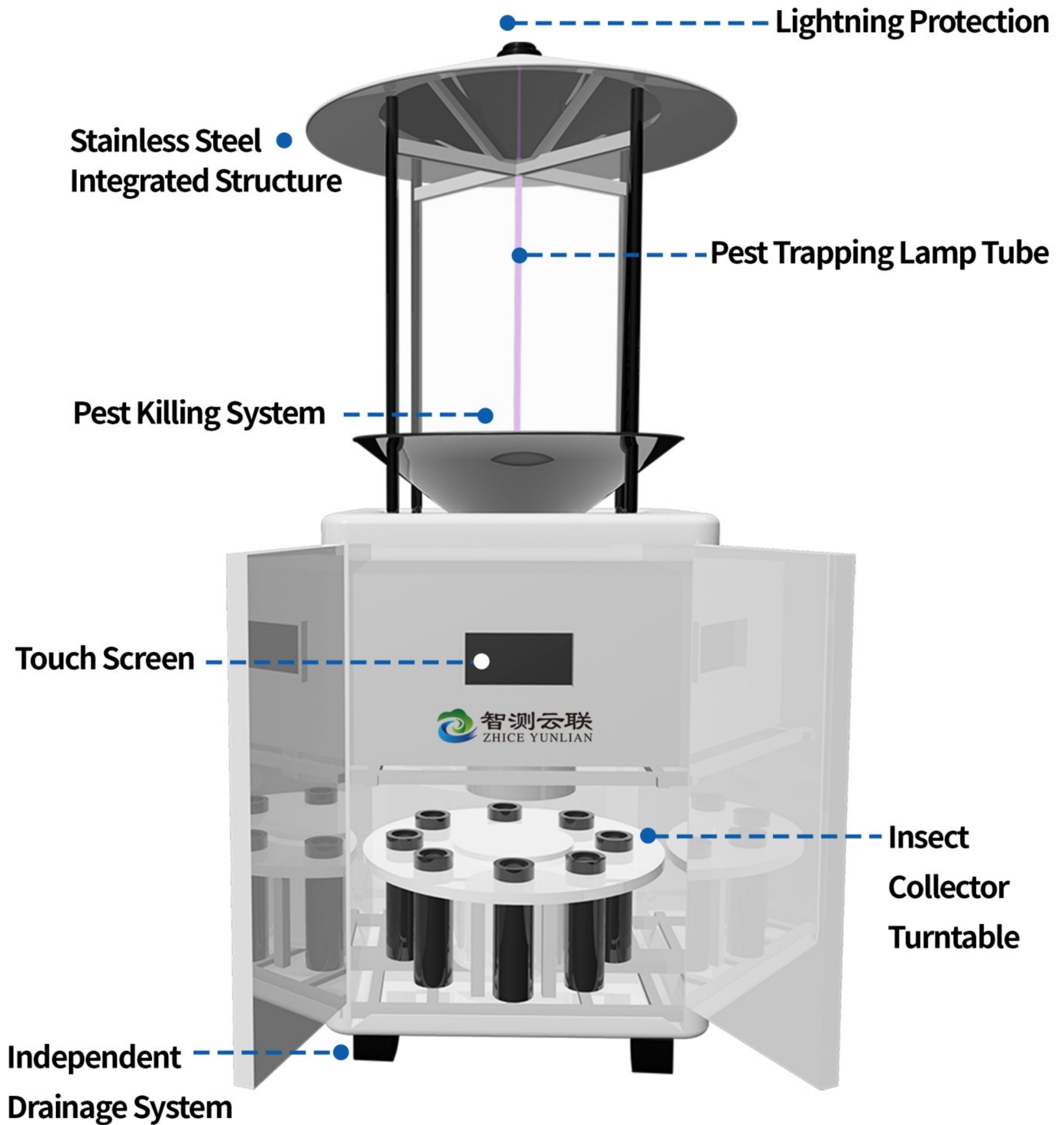
Without manual supervision, it can automatically complete the full workflow of pest trapping, pest killing, insect body dispersion, photographing, sample transportation, specimen collection and rainwater drainage. With wireless transmission and Internet of Things (IoT) technologies, it uploads real-time environmental meteorological data and pest infestation status to the Zhice Yunlian Cloud Platform.

Core Functions & Advantages

- Pest Trapping
- Three-layer Filter Screen
- Fumigation-based Pest Killing
- Timing Control Module
- Accurate Monitoring
- All-in-one Integration
- Data Visualization Platform
- Reliable Data Transmission



Product Structure



Product Specifications

Parameter	Specification
Applicable Power Supply Voltage	AC220V±60V (output of power supply voltage regulator isolator: AC220V±5V)
Power Consumption	Standby power ≤5W; total lamp power ≤450W
Trapping Light Source	20W black light lamp tube (dominant wavelength: 365nm)
Impact Screen	Arranged at 120° to each other; single screen size: 595±2mm (L) × 213±2mm (W) × 5mm (T)
Lamp Start-up Time	Starts within 5 seconds
Temperature of Far-infrared Treatment Chamber	Reaches 85±5°C after 15 minutes of operation
Insulation Resistance	≥2.5MΩ
Overall Dimension	650mm × 650mm × 2000mm
Design Service Life	≥10 years
Insect Treatment Effect	Pest mortality rate ≥98%, insect body integrity rate ≥95%

Technical Parameters

Parameter	Specification
Applicable Power Supply Voltage	AC220V±60V (output of power supply voltage regulator isolator: AC220V±5V)
Power Consumption	Standby power ≤5W; total lamp power ≤450W
Trapping Light Source	20W black light lamp tube (dominant wavelength: 365nm)
Impact Screen	Arranged at 120° to each other; single screen size: 595±2mm (L) × 213±2mm (W) × 5mm (T)
Lamp Start-up Time	Starts within 5 seconds
Temperature of Far-infrared Treatment Chamber	Reaches 85±5°C after 15 minutes of operation
Insulation Resistance	≥2.5MΩ
Overall Dimension	650mm × 650mm × 2000mm
Design Service Life	≥10 years
Insect Treatment Effect	Pest mortality rate ≥98%, insect body integrity rate ≥95%



Introduction to the upper computer software

Function Category	Specific Description
Core Functions	Realize integrated management of data reception, storage, viewing and analysis in the PC standalone environment
Data Reception and Processing	1. Support data reception via serial port, as well as data processing and visual display 2. Compatible with communication methods such as JSON string and MODBUS485
Parameter Configuration	1. Allow independent setting of data storage time 2. Support custom collection time in MODBUS485 collection mode
Monitoring Parameter Management	Support users to independently add, delete and modify monitoring parameters, including information such as parameter protocols, names and icons
Data Processing Expansion	1. Equipped with data post-processing function 2. Support external running of JAVASCRIPT scripts



Introduction to Cloud Platform

Function Category	Specific Description
Architecture & Access Method	Adopts a CS architecture software platform, supporting direct access and observation via mobile phones and PC browsers without additional software installation
Account & Device Management	Supports multi-account and multi-device login, meeting the collaborative management needs of multiple users and terminals
Data Display Function	1. Provides dashboards for real-time data display and historical data display 2. Supports data curve analysis 3. Supports map display and device information viewing
Data Storage & Stability	Implements cloud data storage based on cloud servers, featuring stability, reliability, easy scalability and load balancing
Alarm & Threshold Management	Supports SMS alarm function, allowing custom alarm threshold settings to respond to abnormal data in a timely manner
Data Processing & Output	1. Supports data export in table format 2. Has data post-processing function 3. Supports external running of JAVASCRIPT scripts to enhance customization capabilities
Data Forwarding Function	Supports data forwarding via multiple protocols, including HJ-212 protocol, TCP forwarding, HTTP protocol, etc.

