

Product manual

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Miilkiia Agriculture

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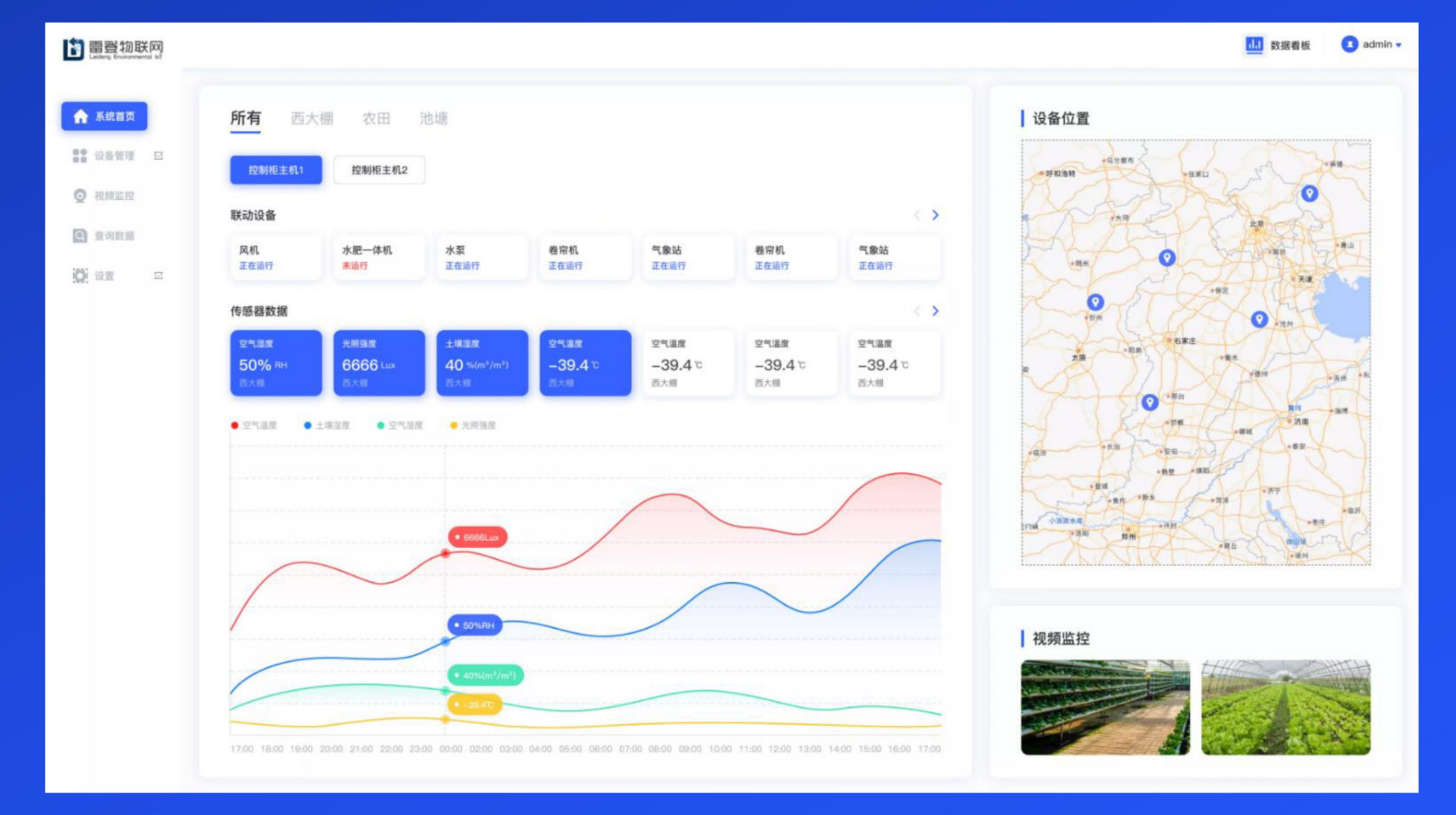
Miilkiia Agriculture



# IOT PLATFORM

A concise and easy-to-use IoT platform.

Data inquiry&export/linkage device control/video surveillance/ data dashboard/abnormal alarm/device management.....







# PRODUCT CATALOG



# 1. Automatic control system

Greenhouse Automatic Control System
Smart aquaculture system
Smart irrigation system

# 2. Automatic weather station

Agricultural meteorological station
Greenhouse meteorological station
Reservoir meteorological station
Scenic Area Meteorological Station
Campus Meteorological Station
Port Meteorological Station
Dust monitoring station
automatic precipitation station

# 3. Soil moisture monitoring

Soil moisture monitoring system
Pipe type soil moisture monitoring system
Handheld moisture rapid measurement

# 4. Water quality monitoring system

Water quality monitoring system

# 5. Plant growth monitoring

Stem growth monitoring system Fruit growth monitoring system

# 6. Sensor products



### AUTOMATIC CONTROL SYSTEM

Realize the informatization and intelligent remote management of greenhouses, fully leverage the role of IoT technology in facility agriculture production, and ensure that the environment inside the greenhouse is maintained in a suitable state for crop growth.



# REAL-TIME DETECTION

Air temperature and humidity, soil temperature and humidity, carbon dioxide concentration Light intensity video image

## AUTOMATIC CONTROL

Wet curtain fan, inner and outer sunshade roof windows, side windows Heating, supplementary lighting, spray irrigation

# REMOTE MANAGEMENT

Through information terminals such as mobile phones and computers, to Managers send real-time monitoring and alarm information















# GREENHOUSE AUTOMATIC CONTROL SYSTEM

### LINKAGE EQUIPMENT

Fan, roll film, insulation blanket, wet curtain, water fertilizer machine irrigation, etc

### **EQUIPMENT LIST**

Automatic greenhouse control cabinet

### SENSOR:

Air temperature and humidity sensor

Carbon dioxide concentration sensor

Illuminance sensor

Photosynthetically active sensor

Soil temperature and humidity sensor

Soil temperature and humidity conductivity sensor

Soil pH sensor

Soil nitrogen, phosphorus, and potassium sensors

Pipe type soil moisture tester



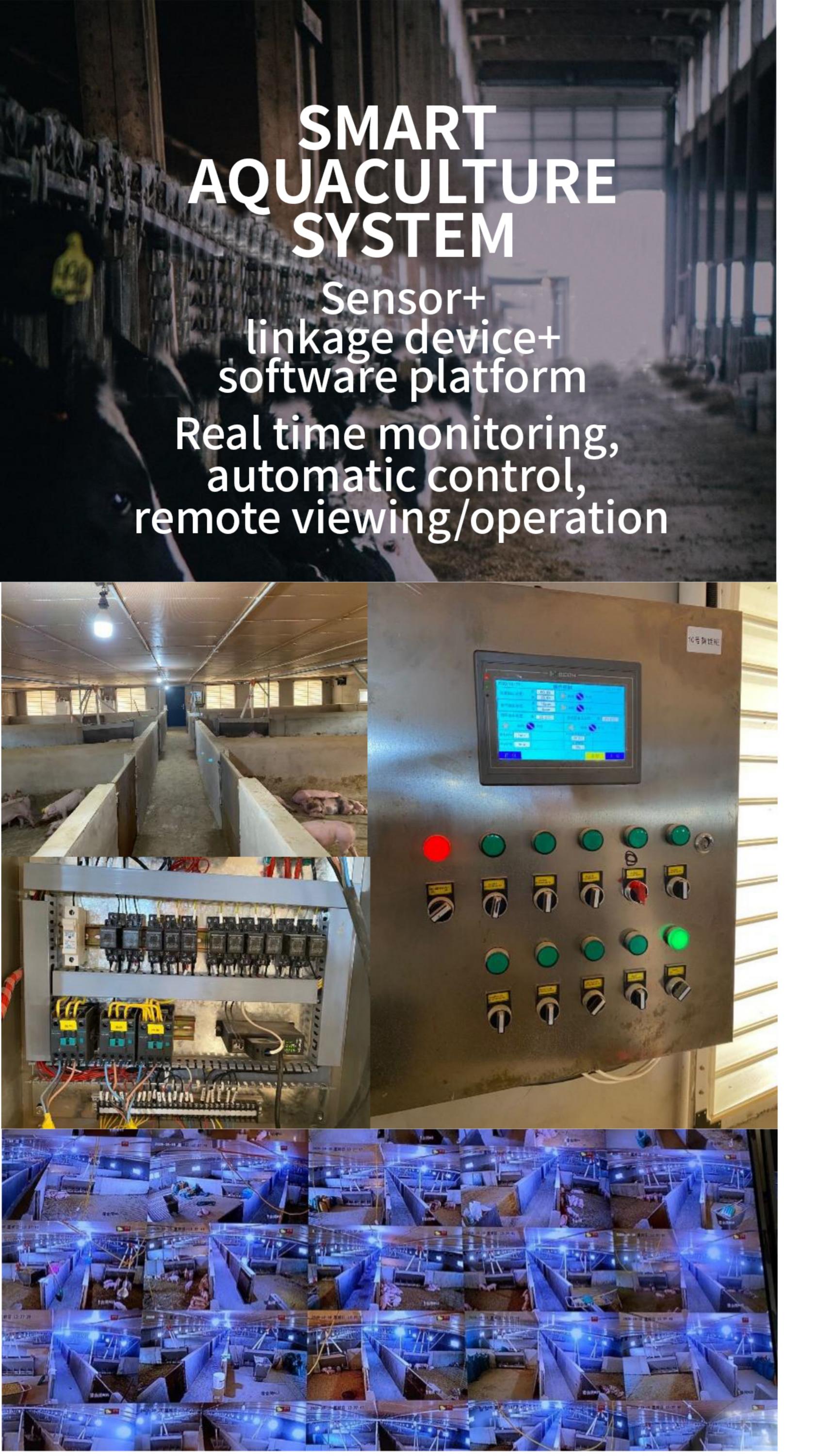
### LINKAGE EQUIPMENT:

Fan, film roller, insulation blanket, wet curtain, water fertilizer machine, fill light, etc

(The above sensors and linkage devices are selected and matched according to the actual situation)

### OPTIONAL

DL1/DL3 data acquisition host 2-meter stainless steel tripod bracket Protective box Solar energy kit





### SMART AQUACULTURE SYSTEM

### LINKAGE EQUIPMENT

Automatic feeding machine, fan, water curtain, heating, ventilation window, etc.

### **EQUIPMENT LIST**

Sensor:

Air temperature and humidity sensor
Carbon dioxide concentration sensor
Air temperature and humidity carbon dioxide sensor
Ammonia gas sensor
Methane sensor
Illuminance sensor
(The above sensors and linkage devices are selected and matched according to the actual situation)
Automatic greenhouse control cabinet

### Optional selection

LED screen

DL1/DL3 data acquisition host

2-meter stainless steel tripod bracket

Protective box





### SMART IRRIGATION SYSTEM

### LINKAGE EQUIPMENT

Water fertilizer machine

### **EQUIPMENT LIST**

Soil temperature and humidity conductivity sensor Soil nitrogen, phosphorus, and potassium sensors Automatic greenhouse control cabinet

### Optional selection

LED screen



## AUTOMATIC WEATHER STATION

Automatic weather stations can accurately measure various meteorological elements on site 24/7. It can store meteorological data for at least one year and transmit it to the central computer meteorological database through various communication methods. Widely used in fields such as meteorology, environmental protection, airports, agriculture and forestry, scientific research, etc.

### REAL-TIME DETECTION

Wind speed, wind direction, rainfall, temperature, humidity, radiation, atmospheric pressure

# STABLE AND RELIABLE

Can operate in various harsh outdoor environments, with low power consumption, high stability, and high precision. Can store meteorological data for at least one year.

# ON DEMAND CUSTOMIZATION

Meteorological sensors can be configured according to demand.

Multiple communication methods are available for selection.

Open design of hardware and software, which can be flexibly combined and used.





Customizable on demand



#### MEASUREMENT PARAMETERS

Air temperature, air humidity, atmospheric pressure, wind speed, wind direction, light intensity, rainfall, PM2.5, soil temperature, soil humidity, soil DH, soil ammonia, phosphorus, and potassium

### **EQUIPMENT LIST**

Air temperature, humidity, illumination, atmospheric pressure sensor

PM2.5 sensor

Wind speed sensor

Wind direction sensor

rain sensor

Soil temperature and humidity sensor

Soil pH sensor

Soil nitrogen, phosphorus, and potassium sensors

2-meter stainless steel tripod bracket

Protective box

DL1/DL3 data acquisition host

### **OPTIONAL**





Air temperature, air humidity, carbon dioxide concentration, photosynthetically active radiation, soil temperature, soil humidity, soil salinity

### **EQUIPMENT LIST**

Air temperature and humidity carbon dioxide sensor Photosynthetically active radiation sensor Soil temperature and humidity sensor Soil salinity sensor

2-meter stainless steel tripod bracket Protective box DL1/DL3 data acquisition host

### OPTIONAL





Air temperature, air humidity, wind speed, wind direction, light intensity, rainfall, water pH value, water conductivity, water dissolved oxygen, water turbidity, water ammonia nitrogen, water ORP, water temperature

### **EQUIPMENT LIST**

Air temperature and humidity sensor Illuminance sensor Wind speed sensor Wind direction sensor rain sensor

Water ammonia nitrogen sensor Water conductivity sensor

Water pH sensor

Water turbidity sensor

Water temperature sensor

Dissolved oxygen sensor for water bodies

ORP sensor for water body

Customized 3.5-meter stainless steel cage bracket

Protective box

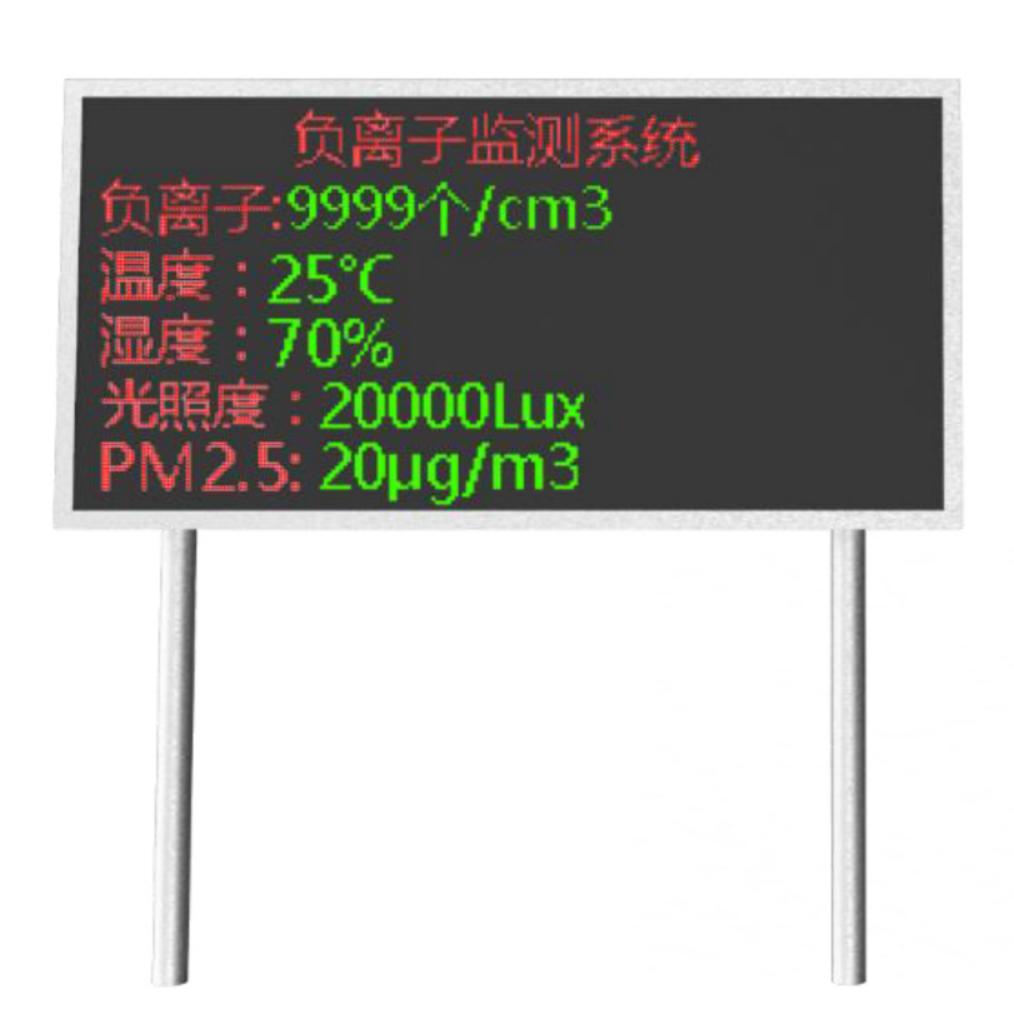
DL1/DL3 data acquisition host

### **OPTIONAL**



# SCENIC AREA METEOROLOGICAL STATION

Customizable on demand





### MEASUREMENT PARAMETERS

Air temperature, air humidity, atmospheric pressure, PM, wind speed, wind direction, negative oxygen ions

### EQUIPMENT LIST

Air temperature, humidity, and atmospheric pressure sensor Air particulate matter concentration sensor Wind speed sensor Wind direction sensor

Customized 3.5-meter stainless steel cage bracket Protective box DL1/DL3 data acquisition host

### **OPTIONAL**

Solar energy kit LED screen Negative oxygen ion detector



Air temperature, air humidity, atmospheric pressure, PM, wind speed, wind direction, lighting, UV

# METEOROLOGICAL

STATION

CAMPUS

Customizable on demand



Air temperature, humidity, and atmospheric pressure sensor Air particulate matter concentration sensor Illuminance sensor Wind speed sensor Wind direction sensor

Customized 3.5-meter stainless steel cage bracket Protective box DL1/DL3 data acquisition host

### **OPTIONAL**

UV radiation sensor Surveillance camera Solar energy kit LED screen





Air temperature, air humidity, atmospheric pressure, wind speed, wind direction, lighting, rainfall, evaporation rate

### EQUIPMENT LIST

Air temperature, humidity, and atmospheric pressure sensor Illuminance sensor Wind speed sensor Wind direction sensor rain sensor Water surface evaporation sensor

Customized 3.5-meter stainless steel cage bracket Protective box DL1/DL3 data acquisition host

### **OPTIONAL**



# DUST MONITORING STATION

Customizable on demand



### MEASUREMENT PARAMETERS

Air temperature, air humidity, PM, wind speed, wind direction, noise

### **EQUIPMENT LIST**

Air temperature and humidity sensor Air particulate matter concentration sensor Wind speed sensor Wind direction sensor Noise sensor

Customized 3.5-meter stainless steel cage bracket Protective box DL1/DL3 data acquisition host

### **OPTIONAL**

Solar energy kit led screen



# AUTOMATIC PRECIPITATION STATION

Customizable on demand





### MEASUREMENT PARAMETERS

Rainfall

### **EQUIPMENT LIST**

Rain sensor Solar energy kit

### **OPTIONAL**

Protective enclosure



# SOIL MOISTURE MONITORING

The automatic soil moisture monitoring system mainly monitors the soil moisture content and soil temperature, measuring the soil volumetric moisture content (VWC) and temperature values through soil moisture sensors and temperature sensors.

### REAL-TIME DETECTION

Real time collection of soil moisture information and automatic wireless transmission to the monitoring platform.

# ACCURATE MEASUREMENT AND REPORTING

Adopting high-precision sensors.
The system operation does not require manual participation, and the measurement and reporting are accurate

### UNATTENDED

Solar powered, can be connected to wireless transmission modules Waterproof, dustproof, and lightning resistant, suitable for long-term use in outdoor environments.

### SCALABLE DEVELOPMENT

Drought prediction and forecasting, irrigation area optimization, water distribution, seedling situation, water-saving irrigation, early monitoring system





Soil temperature, soil moisture, soil conductivity, soil pH value, soil nitrogen, phosphorus, and potassium

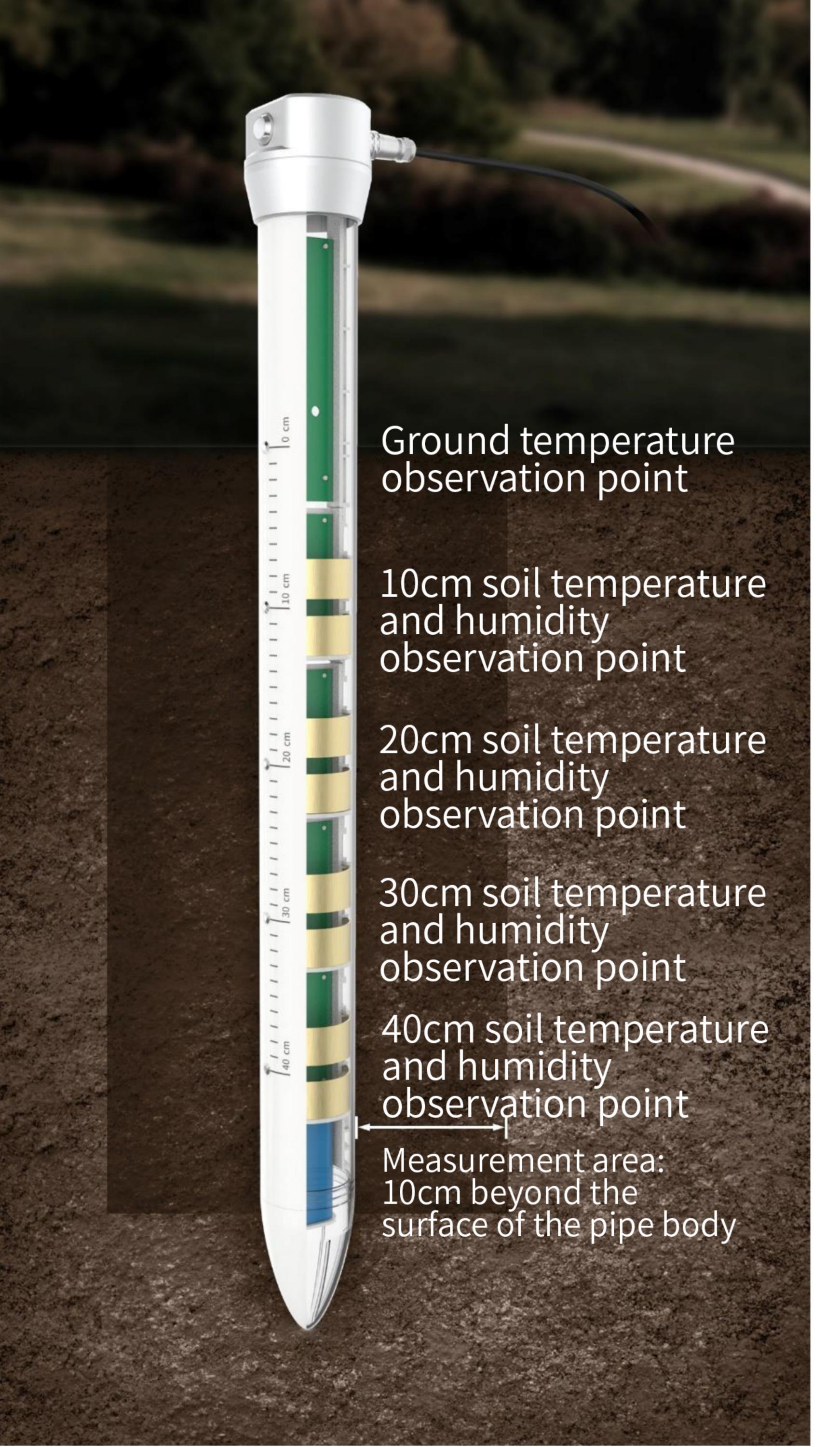
### **EQUIPMENT LIST**

Soil temperature and humidity conductivity sensor Soil pH sensor Soil nitrogen, phosphorus, and potassium sensors

DL1/DL3 data acquisition host 2-meter stainless steel tripod bracket Protective box

### **OPTIONAL**





# SOIL MOISTURE MONITORING SYSTEM

Tube type moisture tester

### MEASUREMENT PARAMETERS

Soil temperature, soil moisture, X-axis inclination angle, Y-axis inclination angle

### **EQUIPMENT LIST**

Tube type moisture tester Solar energy kit





# RAPID MEASUREMENT OF SOIL MOISTURE

Temperature, humidity, conductivity, pH, nitrogen, phosphorus, and potassium are automatically stored and exported in Excel format





### MEASUREMENT PARAMETERS

Soil temperature, soil moisture, soil conductivity, soil pH value, soil nitrogen, phosphorus, and potassium

### **EQUIPMENT LIST**

Soil temperature and humidity conductivity sensor Soil pH sensor Soil nitrogen, phosphorus, and potassium sensors

Handheld speedometer set



### WATER QUALITY MONITORING SYSTEM

The water quality monitoring system conducts real-time monitoring of various indicators of water bodies and objectively evaluates the water quality status through sensor data.

# REAL-TIME COLLECTION

Real time collection of soil moisture information and automatic wireless transmission to the monitoring platform

# ACCURATE MEASUREMENT AND REPORTING

Adopting high-precision sensors.
The system operation does not require manual participation, and the measurement and reporting are accurate

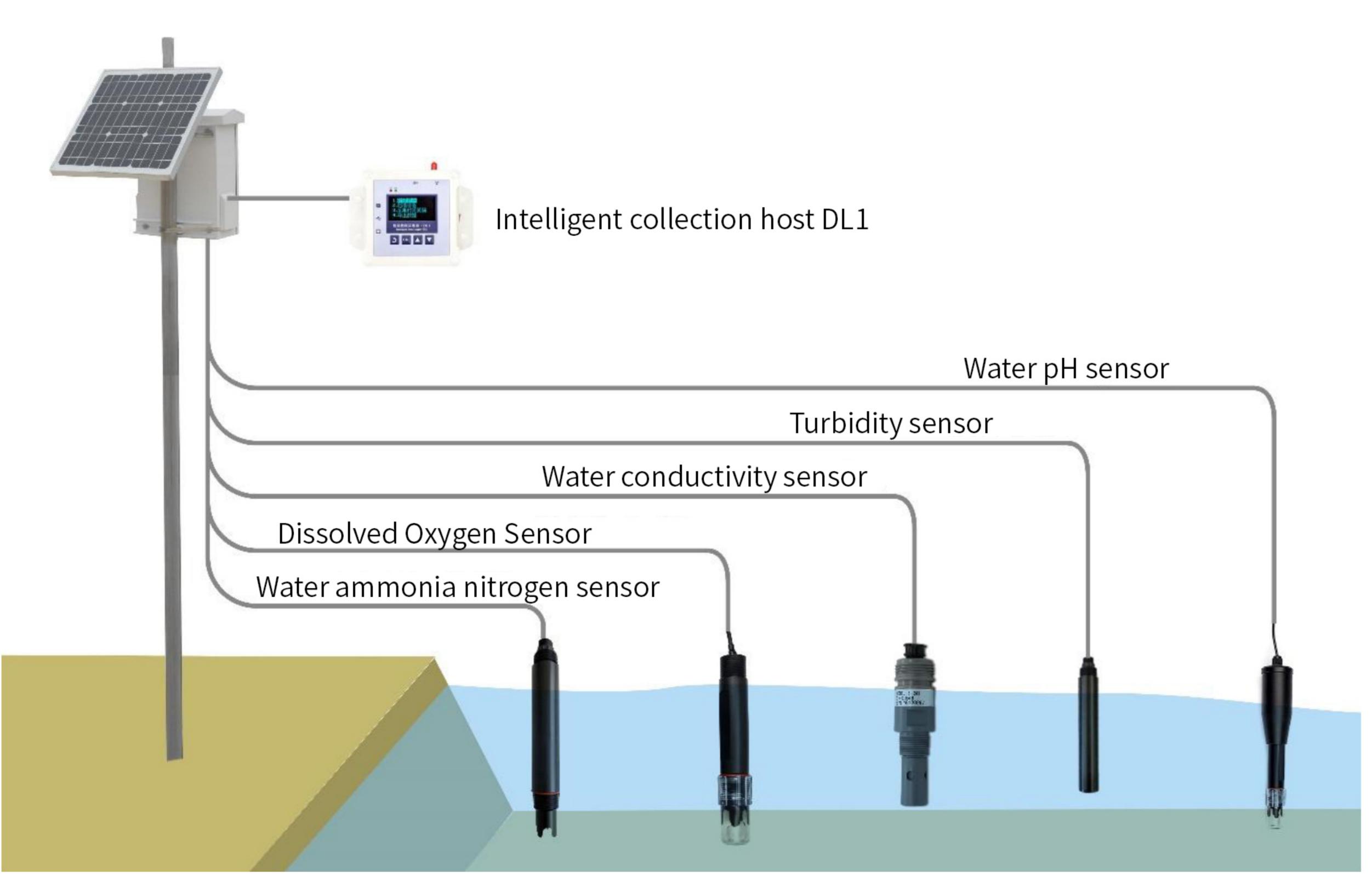
### UNATTENDED

Powered by solar energy, can be connected to wireless transmission modules. Waterproof, dustproof, and lightning resistant, suitable for long-term use in outdoor environments.



# WATER QUALITY MONITORING SYSTEM

Customizable on demand



#### MEASUREMENT PARAMETERS

Water pH value, water conductivity, water dissolved oxygen, water turbidity, water ammonia nitrogen, water ORP, water temperature

### **EQUIPMENT LIST**

Water ammonia nitrogen sensor

Water conductivity sensor

Water pH sensor

Water turbidity sensor

Water temperature sensor

Dissolved oxygen sensor for water bodies

ORP sensor for water body

Customized stainless steel bracket

Protective box

DL1/DL3 data acquisition host

### **OPTIONAL**







# FRUIT/STEM GROWTH MONITORING SYSTEM

Range and measurement range can be selected with wired/4G upload



### MEASUREMENT PARAMETERS

Fruit expansion/stem growth

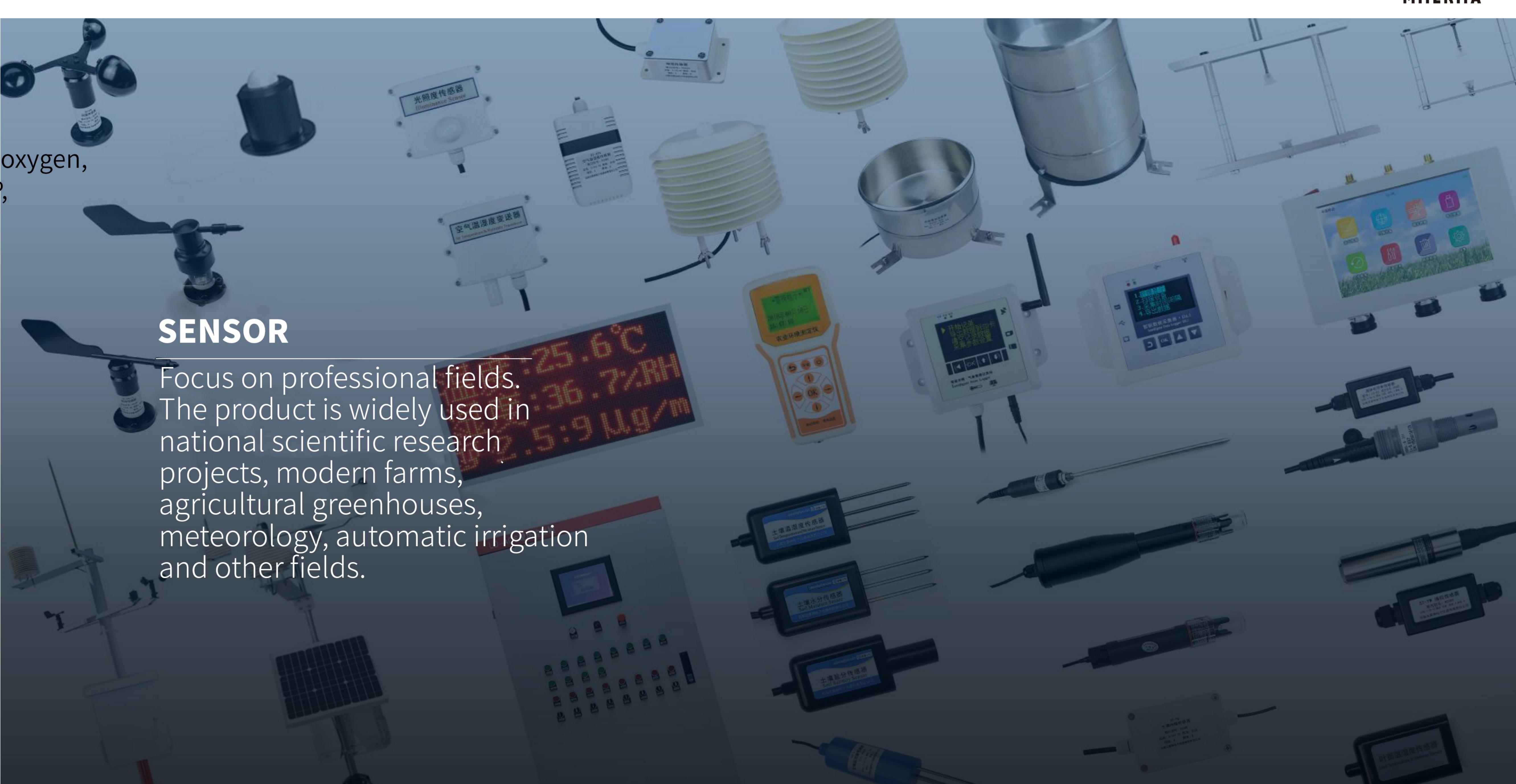
### **EQUIPMENT LIST**

Fruit growth sensor Stem growth sensor DL1/DL3 data acquisition host

2-meter stainless steel tripod bracket Protective box

### OPTIONAL









PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	Wind speed sensor	Wind speed: range 0-30m/s, accuracy 0.15m/s
	Wind direction sensor	<b>Wind direction:</b> range 0~360°, 16 directions
	Wind direction sensor	<b>Wind direction:</b> range 0~360°, accuracy ± 1°





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	Integrated wind speed and direction sensor	Wind speed: range 0~30m/s, accuracy 0.15m/s Wind direction: range 0~360°, 16 directions
	Rain sensor	Precipitation intensity: Range<4mm/min (8mm/min available), error±4% (2mm/min indoor static test)
A STAN STAN STAN STAN STAN STAN STAN STA	Evaporation sensor	<b>Water surface evaporation:</b> range 0~75mm, accuracy ± 0.1mm





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	Illuminance sensor	<b>Light intensity:</b> Range 0-2/20/200kLux, accuracy ± 3%
农业环境传感器 AgriculturalEnvironmental Sensor	Illuminance sensor	<b>Light intensity:</b> Range 0~65535 Lux, accuracy ± 3%
	Photosynthetically active sensor	Photosynthetically active radiation: range 0~2500umoVM2s, resolution 1umol/m2s





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
空气温湿度变送器 POLESISTED NEST STORM N	Air temperature and humidity sensor	Air temperature: range -40-70 °C, accuracy ± 0.3 °C (25 °C C) Relative humidity: Range 0~100% RH, accuracy ± 2% RH (106~90%)
二般状態の用語	Carbon dioxide sensor	Air temperature: range -40-70 °C, accuracy ± 0.3 °C (25 °C C) Relative humidity: Range 0~100% RH, accuracy ± 2% RH (106~90%)
大で田力保護店 世紀日本 7800 CA. シード N M L AS 日本 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Air temperature and humidity sensor	Carbon dioxide concentration: range 0-2000/5000/10000/30000/50000, accuracy $3\% \pm 50$ ppm (0-2000/5000ppm), $3\% \pm 100$ ppm (0-10000/30000ppm), $3\% \pm 300$ ppm (0-50000ppm)





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	concentration sensor	Total particulate matter: Measurement parameters PM1.0, PM2.5, PM10, range 0-500ug/m3, accuracy ± 3%
文业环境传感器 Agricultural Bong practical Sunger	Three parameter sensors for air temperature, humidity, and illuminance	Air temperature: range -40~70 °C, accuracy ± 0.3 °C Relative humidity: Range 0-100MRH, accuracy ± 3% 6RH Light intensity (outdoor type): Range 0~2/20/200kLux, accuracy ± 3% Light intensity (indoor type): Range 0-65535Lux, accuracy ± 3%
	Three parameter sensors for air temperature, humidity, and atmospheric pressure	Air temperature: range -40-70 °C, accuracy ± 0.3 °C Relative humidity: Range 0~100MRH, accuracy ± 3% RH Atmospheric pressure: range 300-1100hPa, accuracy ± 1hPa





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
空气温湿度变送器 Art Temperature in translative fracodulary	Air temperature and humidity, dew point temperature Three parameter sensor	Air temperature: range -40~70 °C, accuracy ± 0.3 °C Relative humidity: Range 0-100% RH, accuracy ± 3% RH Dew point temperature: range -70~30 °C, accuracy ± 0.2%
	Air temperature and humidity, carbon dioxide Illumination four parameter senso	Air temperature: Range -40~70 °C, accuracy $\pm$ 0.3 °C Relative humidity: Range 0-100% RH, accuracy $\pm$ 3MRH Carbon dioxide concentration: 20ppm Range 0~2000/5000/10000, accuracy $\pm$ 20ppm Light intensity: Range 0-2/20/200kLux, accuracy $\pm$ 3%
交业环境传感器 AgriculturalEnvironmental Sensor	Air temperature, humidity, and illuminance Atmospheric pressure four parameter sensor	Air temperature: Range -40~70 °C, accuracy ± 0.3 °C Relative humidity: Range 0-100% RH, accuracy ± 3MRH Light intensity (outdoor type): Range 0~2/20/200kLux, accuracy ± 3% Light intensity (indoor type): Range 0-65535Lux, accuracy ± 3% Atmospheric pressure: Range 300~1100hPa, accuracy ± 1h





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	Five parameter sensors for air temperature and humidity, atmospheric pressure carbon dioxide, and illuminance	Air temperature: Range -40-70 °C, accuracy $\pm$ 0.3 °C Relative humidity: Range 0~100% RH, accuracy $\pm$ 3% RH Atmospheric pressure: Range 300-1100hPa, accuracy $\pm$ 1hPa Carbon dioxide concentration: Range 0~2000/5000/10000, accuracy $\pm$ 20ppm Light intensity: Range 0-2/20/200kLux, accuracy $\pm$ 3%





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
1. 数据显示 2. 扫描设备 3. 来集时间间隔 4. 导出数据 智能被报系集器·DL1 Inchigen Dup Logger DL1	DL1 Data collection host	This host is powered by a 12V DC power supply, a 2.54-inch screen, a GPRS network transmission module, a wired network module, a USB data output module, and other hardware components. It is used to collect digital sensor signals that are compatible with our company and can be transmitted to servers and computers through GPRS network, wired network, and bus; Supports exporting data from USB flash drives and allows for USB upgrade.
OBJECT CHAIN	DL2 Intelligent data collection host	This host is powered by a 12V DC power supply, a 5-inch color touch screen, a full network 4G network transmission module, a wired network module, a USB data output module, an aviation plug, and other hardware components. It is used to collect digital sensor signals and analog current and voltage sensor signals that are compatible with our company. These signals can be transmitted to servers and computer terminals through GPRS network, wired network, and bus; Supports exporting data from USB flash drives, allowing for USB upgrade or 4G remote upgrade, and also supports GPS positioning for remote viewing of the host's geographical location.
DL3 LoRa 数据采集主机 Data Logger 3 46  **********************************	DL3 Data collection host	This host supports 9-24V DC power supply, with two status indicator lights, a full network 4G network transmission module, a USB data output module, 2 relay outputs, 2 RS485 buses and 1 RS232 bus, with LORA local wireless acquisition and transmission module, supports USB data export, USB upgrade, supports multiple 485 bus modbus format data acquisition, and supports 4G transmission to the server





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
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低功耗数据采集器 Low power data logger  LPDL 医心之作 缔造未来	LPDL Low power data collector	This host is equipped with 65th batteries, RGB operation indicator lights, USB upgrade and USB data export functions, upper computer connection interface, up to 12 analog signal acquisition channels, and excellent configuration with ultra-low standby current of 9uA. It supports USB insertion wake-up and USB cable insertion wake-up functions, making it very suitable for use in outdoor situations where power supply is inconvenient.
	OXZ-ZJ20 Three legged bracket for meteorological station	2-meter stainless steel bracket, sturdy and stable, carrying protective boxes, sensors, solar energy, etc. Easy to install and move.





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
)·	Customization of Weather Station Cage Support	Customized ground cage meteorological bracket. The installation method of the ground cage is reliable and stable, with strong wind resistance.





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	S400L Tube type moisture tester	Soil temperature: Range -30~70 °C, accuracy ± 0.5 °C Soil volumetric moisture content: Range 0~100% (m³/m³), accuracy ± 3% (m³/m³)
土壤温湿度电导率传感器 SOIL TEMPAMOISTUREAEC SENSOR	S400 Soil temperature, humidity, conductivity, salinity sensor	Soil temperature: Range -30~70 °C, accuracy $\pm$ 0.2 °C Soil volumetric moisture content: within the range of 0-100% (m³/m³) and 0-50% (m3/m3), with an accuracy of $\pm$ 2% (m³/m³) Soil conductivity: Standard range 0~10mS/cm (can be customized 0~20mS/cm, etc.), accuracy $\pm$ 2% Soil salinity: Range 0~5000mg/L, accuracy $\pm$ 2%
土壤氮磷钾传感器 SOIL NPK SENSOR	Soil nitrogen, phosphorus, and potassium sensors	Soil nitrogen content: Range 0-1999mg/kg, accuracy ± 2% Soil phosphorus content: Range 0~1999mg/kg, accuracy ± 2% Soil potassium content: Range 0~1999mg/kg, accuracy ± 2%





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
上境温湿度传感器 Soil Temperature and Moisture Sensor - 古來庄黃州电子以秦有陵贯任公司	S200 Soil temperature and humidity sensor	Soil temperature: Range -30~70 °C, accuracy $\pm$ 0.2 °C Soil volumetric moisture content: Within the range of 0-100% (m³/m³) and 0-50% (m³/m³) accuracy is $\pm$ 3% (m³/m³)
上壤水分传感器 Soil Moisture Sensor 在家庭資本电子仪教有限属任公司	S100 Soil moisture sensor	<b>Soil moisture content:</b> Range 0~100% (m/m ³), accuracy ± 3% (m ³/m ³)
	T1 Soil Temperature Sensor	Temperature of soil/air/solution/flame/boiler: accuracy ± 0.2 °C





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	Soil pH sensor	Soil pH value: Range 0-14, accuracy ± 0.02 (pH 4-9)
1008 5・6 28.5 火 主境水分走馬仪 (1) (2) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	TSC-I Soil moisture analyzer	The TSC-1 soil moisture analyzer can quickly measure the volumetric moisture content of soil and porous media. The instrument has multiple functions, including storing, calculating average values, viewing historical data, and automatically recording and storing data from 1 minute to 23:59 minutes. And the data curve can be viewed on the upper computer, and the data can also be exported and stored as an Excel spreadsheet file.
10日   10	TSC-IW Soil temperature and humidity rapid measuring instrument	The TSC-IW rapid measuring instrument can quickly measure the volumetric moisture content and temperature of soil and porous media. The instrument has multiple functions, including storage, calculation of average values, viewing of historical data, and automatic recording and storage of data from 1 minute to 23:59 minutes. And the data curve can be viewed on the upper computer, and the data can also be exported and stored as an Excel spreadsheet file.





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
土壤电导率传感器 SOIL ELECTRICAL COMOUCTIVITY SEASOR	Soil conductivity sensor	Soil conductivity: Standard range 0~20mS/cm (can be customized to 0~10mS/cm, 0~5mS/cm, etc.), accuracy ± 2%
土壤盐分传感器 SOIL SALINITY SENSOR	Soil salinity sensor	<b>Soil salinity:</b> Standard range of 0~0.15mol/L (customizable 0~0.75mol/L, 0~0.05mol/L, etc.), accuracy ± 2%
	TDR-5 Soil temperature and humidity sensor	Soil temperature: Range -30~70 °C, accuracy ± 0.2 °C Soil volumetric moisture content: Within the range of 0-100% (m3/m3) and 0-50% (m ³/m ³), the accuracy is ± 2% (m ³/m ³)





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
本様大分子を設施 単位の他のようない。 は 12 - 2 - 2 - 2 の に 変数 15 の を	TDR-4 Soil moisture sensor	Soil volumetric moisture content: Ranging from 0 to 100% (m ³/m ³), within the range of 0 to 50% (m ³/m ³), with an accuracy of $\pm$ 3% (m ³/m ³)





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	PH14A Water pH sensor	Soil pH value: Range 0~14, accuracy ± 0.02 (pH 4~9)
	Liquid conductivity sensor	<b>Conductivity:</b> Standard range of 1-20mS/cm (can be customized to 10.00 μ S~500.0mS), accuracy ± 2%
	Redox potential sensor	Redox potential: Range -2000mV~2000mV, accuracy ± 10mV





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	T1 Water temperature sensor	Temperature of soil/air/solution/flame/boiler: Accuracy ± 0.2 °C
	Liquid level sensor	<b>Liquid level:</b> Range 0~1~200m
2818年88月18日 16:47:18 农业环境测定仪	Multi functional water quality rapid testing instrument	The multifunctional water quality rapid measuring instrument can quickly measure the pH value, liquid level, conductivity, and ORP of water bodies. The instrument has multiple functions, including storing, calculating average values, viewing historical data, and automatically recording and storing data from 1 minute to 23:59. And the data curve can be viewed on the upper computer, and the data can also be exported and stored as an Excel spreadsheet file.





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
	Fruit growth sensor	Fruit growth: optional range from 0 to 20/100mm, measurement range diameter less than 123mm, resolution $\pm$ 0.001mm
	Stem growth sensor	Stem growth rate: Range 0~20/50/100mm optional, measurement range diameter less than 126mm, resolution ± 0.001mm
叶面温湿度传感器 Leaf Temperature & Wetness Sensor	Leaf temperature and humidity sensor	Leaf surface temperature: Range -40~80 °C, accuracy ± 0.5 °C Leaf surface humidity: Range 0~100% (m ³/m ³), accuracy ± 5%





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
で体を感認 east final final sets in	Ammonia sensor	<b>Gas concentration:</b> Range 0~10/20/50/100/200/500/1000/2000/5000ppm
	Hydrogen sulfide sensor	Gas concentration: Range 0~10/20/50/100/200/500/1000/2000/5000 /10000 ppm
	Oxygen Sensor	<b>Gas concentration:</b> Range 1~25% Vol





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
气体传感器 Gas Transmitter  PPT  PPT  PPT  PPT  PPT  PPT  PPT  P	Carbon monoxide sensor	Gas concentration: Range 0~20/50/100/200/500/1000/2000/ 3000/5000ppm
	Sulfur dioxide sensor	Gas concentration: Range 0~10/20/100/200/500/1000/2000/5000ppm
	Methane sensor	Gas concentration: Range 0~100% LEL





PRODUCT IMAGES	NAME	TECHNICAL PARAMETER
气体传感器 Sea Transmitter  Send 1984  Send 1984	Ethylene sensor	<b>Gas concentration:</b> Range 0~100/1000/2000/3000ppm