TUNTIANWA

Ecotrap-100

CLAIM YOUR YARD BACK FROM MOSQUITOES

UP TO 200 m^2 COVERAGE

Smart outdoor mosquito trapping and monitoring

tuntianwa.com.au

A Quieter, More Measurable Way to Manage Outdoor Mosquito Pressure

Capture

UV and CO_2 attraction with suction capture in a freestanding outdoor unit.

Monitor

On-device counting and environmental data support routine observation.

Manage

Remote controls and centralized visibility help teams manage multiple locations.

Designed for managed sites—not positioned as a stand-alone disease-prevention claim.

A More Measurable Way to Manage Mosquito Pressure

- Traditional mosquito control is often reactive, short-lived and difficult to measure.
- TUNTIANWA introduces a more continuous, visible and data-informed approach.

Reactive Control

Treatment often begins only after mosquito activity becomes noticeable.

Short-Lived Results

Periodic spraying may provide temporary relief but requires repeated intervention.

Limited Visibility

Without continuous monitoring, it is difficult to evaluate mosquito pressure or treatment performance.

How The Ecotrap-100 Works

A continuous cycle of attraction, physical trapping and measurable monitoring.

01 Attract

Controlled CO_2 release helps attract host-seeking female mosquitoes.

02 Guide & Capture

Attraction cues guide mosquitoes towards the intake, where powerful airflow draws them into the unit.

03 Retain

Mosquitoes are securely retained inside the enclosed capture chamber.

04 Monitor

Capture counts and operating status can be viewed on the outdoor display and mobile app.

ATTRACTION · CAPTURE · MONITORING

From Attraction To Actionable Site Data

High-Efficiency Suction System

Powerful suction helps prevent mosquito escape

HD LCD Display

Real-time catch data at a glance

Large-Capacity Mosquito Collection Box

Efficient storage and easy maintenance

RGB Ambient Lighting

Multiple lighting modes with stepless adjustment

Adjustable Base

Flexible adjustment and easy installation

1 Attract

UV light and CO_2 separated from ambient air help draw mosquitoes toward the unit.

2 Capture

A high-efficiency suction system pulls mosquitoes into the collection box and helps prevent escape.

3 Count

The system records catch numbers and displays mosquito activity data.

4 Respond

Catch trends help users evaluate mosquito activity and optimise device placement.

Ecotrap-100 At A Glance

Model
Ecotrap-100

Interface
4.3-inch capacitive touchscreen

Screen resolution
800 x 480

Communication
Cellular network

Power supply
100-240V AC 50/60HZ

Power
Standby <= 12 W; maximum <= 100 W

24-hour consumption
1kWh~1.4kWh

Water resistance
IPX4

Temperature
-20 C to 65 C

Humidity
20% to 95% RH

Collection box
Removable

Protection
Short circuit, overcurrent, reverse connection

Installation
Vertical installation

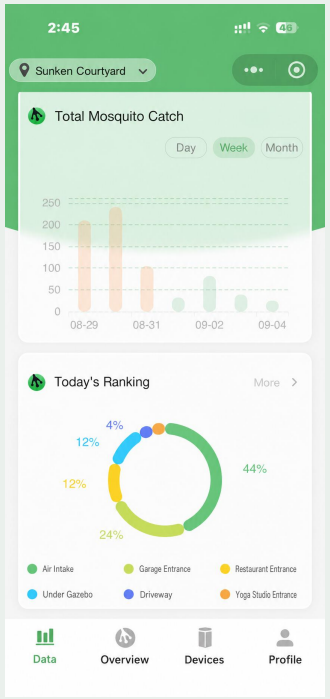
Dimensions
250 x 260 x 820 mm

Company specifications. Confirm regional electrical configuration, certification and final sales configuration before purchase.

One Connected View. Smarter Site Management.

On-site display and remote access bring device status, capture activity and environmental conditions into one operational view.

ON-SITE DISPLAY + MOBILE ACCESS



CONNECTED MANAGEMENT

Monitor connected devices and review site activity from one central platform.

01 REMOTE STATUS

Check device status and control supported units remotely.

02 CAPTURE TRENDS

Review daily capture counts and compare activity over time.

03 SITE CONDITIONS

View temperature and other available environmental readings.

ONE PLATFORM · MULTIPLE DEVICES · GREATER OPERATIONAL VISIBILITY

Interface shown for illustration. Feature availability may vary by configuration and market.

Five Core Product Advantages

A differentiated outdoor mosquito-management solution

01 **CO_2 separated from ambient air**

No routine replacement of external CO_2 cylinders.

02 **Lower maintenance and operating costs**

Fewer consumables, less servicing and reduced ongoing expense.

03 **Up to 200 m² coverage per unit**

Wide-area coverage from a single outdoor unit.

04 **Purpose-built for outdoor environments**

Designed for reliable deployment in outdoor settings.

05 **Versatile across outdoor applications**

Backyards, gardens, patios, hotels, resorts, parks and more.

Simple Maintenance. Safe Operation.

Routine checks help maintain performance and keep the unit safe to use.

POWER OFF · FAN STOPPED

01

ROUTINE MAINTENANCE

- Check and empty the capture chamber regularly.
- Keep the air intake and ventilation openings clear.
- Inspect cables, fasteners and the base for damage.
- Disconnect power before cleaning or maintenance.

02

SAFE OPERATION

- For outdoor use only.
- Secure the unit to prevent tipping or movement.
- Keep children away from the unit and power connection.
- Do not look directly at the UV light source.
- Do not move or open the unit while it is operating.

KEEP CHILDREN AWAY FROM THE UNIT AND POWER CONNECTION

Full safety requirements are provided in the User Manual.

Designed For Diverse Outdoor Environments

Continuous, connected mosquito management across public, commercial and residential spaces.

01

PARKS & PUBLIC

Parks · courtyards · pedestrian areas

02

HOTELS & RESORTS

Resort gardens · terraces · outdoor dining

03

EDUCATION & CARE

Schools · campuses · senior living

04

RESIDENTIAL PROPERTIES

Communities · villas · managed estates

Field-Proven In Parks & Heritage Landscapes

Discreet Ecotrap-100 installations across landscaped and high-traffic public environments.

SUMMER PALACE, BEIJING

Heritage landscape · discreet perimeter placement · field capture evidence

BEIHAI PARK, BEIJING

SHIZIGANG PARK, HANGZHOU

YONGDING RIVER PARK, BEIJING

ELING PARK, CHONGQING

Proven In Education, Healthcare & Residential Sites

Field installations demonstrate adaptable placement across diverse managed outdoor environments.

HANGZHOU NO. 2 HIGH SCHOOL

WENZHOU BUSINESS COLLEGE

ZHEJIANG UNIVERSITY OF TECHNOLOGY

CAIHE NO. 2 KINDERGARTEN

YULIN PEOPLE'S HOSPITAL

ZHEJIANG UNIVERSITY

JIUXI ROSE GARDEN VILLAS

CHONGQING VANKE VILLAS

Plan The Right Deployment For Your Site

One Ecotrap-100 unit provides up to 200 m² of coverage when correctly positioned.

01

SHADE FIRST

Place the unit in a shaded or semi-shaded outdoor area.

02

TARGET ACTIVITY ZONES

Position near mosquito activity—not directly beside gathering areas.

03

KEEP AIRFLOW CLEAR

Keep the air intake and exhaust unobstructed.

04

PLAN POWER & CONNECTIVITY

Ensure access to a suitable power supply and network connection.

LARGER OR SEGMENTED SITES

May require multiple units. Confirm final quantity and spacing through a site assessment.

COVERAGE THAT STARTS WITH CORRECT PLACEMENT

Coverage may vary with site layout, vegetation and mosquito pressure.

PLACEMENT GUIDELINES

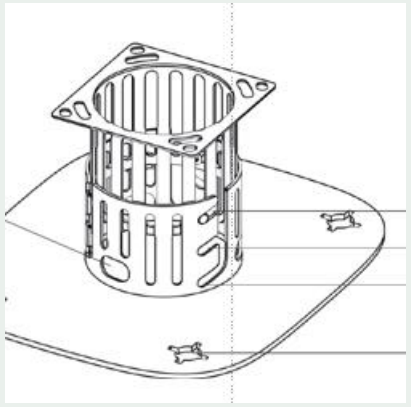
KEEP AWAY FROM BUSY WALKWAYS. DO NOT TOUCH OR MOVE THE UNIT WHILE OPERATING.

Suitable for normal outdoor rain exposure. Keep power connections dry and protected; never immerse the unit.

Secure Installation For Every Site

Choose the correct fixing method for the ground condition. Disconnect power before installation or adjustment.

01 RIGID SURFACE



MARK

Position the unit and mark the four mounting points.

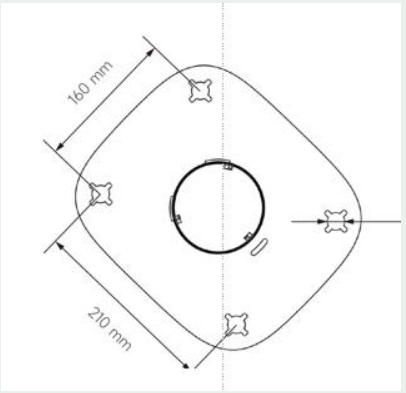
DRILL

Drill vertical holes to the approved depth.

FIX

Clear debris and dust from the drilled holes, then secure the unit with M10 expansion bolts.

02 SOFT GROUND



POSITION

Insert the supplied ground anchors through the base.

SET

Tap each anchor 3–5 cm into the ground.

SECURE

Tap the stakes into the soil with a hammer until the base is firmly secured and the unit is stable.

FINAL SAFETY CHECK

STABILITY

Confirm the unit is level and does not wobble.

CABLE ROUTING

Keep clear of standing water, sharp edges and vehicle paths.

MAINTENANCE

Recheck fasteners after heavy rain or strong winds.

Use supplied hardware and follow the approved engineering drawing for final dimensions.

TUNTIANWA

EFFECTIVE MOSQUITO TRAPPING. VISIBLE RESULTS.

Ecotrap-100 continuously attracts and physically captures mosquitoes, helping reduce mosquito pressure across outdoor areas of up to 200 m².

CONTINUOUS TRAPPING · UP TO 200 m² COVERAGE · REAL-TIME CATCH DATA

READY FOR FEWER MOSQUITOES?

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Physical trapping. Connected monitoring. Smarter outdoor management.

Ecotrap-100

SMART OUTDOOR MOSQUITO MANAGEMENT