RYNAN AQ-Vision

Quick & Convenient

Measure shrimp size, weight and health using AI recognition and prediction

Disease Detection

Identify early signs of diseases or fungal infections for immediate action

Data Synchronization

Ability to sync measurement data to the cloud for historical tracking

TOMGOXY

Integrated Aquaculture Network

A complete shrimp farming management platform developed by RYNAN Technologies, that combines IoT monitoring devices, and cloud services with AI-driven data analytics for precision shrimp farming.

- ✓ Advanced farm design that offers high DO levels, cost-effectiveness, and sustainable solutions
- ✓ Integrated network of IoT devices that collect real-time water quality data
- ✓ Mobile software to sync and monitor all real-time data with AI algorithms to analyse trends, images, and process graphs.

TOMGOXY

- Input Materials & Feed
- Post Larvae
- Farming
- Collecting
- Processing
- Distribution
- Consuming

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TOMGOXY

Welcome to TOMGOXY
Shrimp farming management platform

Username

Password

SIGN IN

New sign up

TOMGOXY

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CONNECT

FEATURES

- Measure and analyze shrimp size, weight and health with AI recongniton.
- Detect early signs of diseases or fungal infection such as Enterocytozoon Hepatopenaei (EHP) for immediate action through predictive data analysis.
- Receive early warnings through in-app notifications an access historical data via TOMGOXY mobile app.
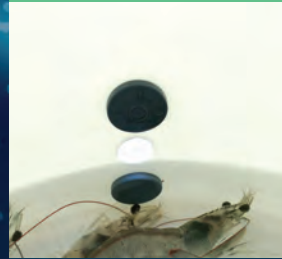- Requires minimal animal handling.

INSTRUCTION OF USE

Step 1: Scan unique pond's QR code

Each pond have a unique QR code. After scanning, collected data will be recorded to the specific pond's history.

Step 2: Adjust water level

Manually adjust water level according to the day of culture. See guidance below. (*)

Step 3: Prepare testing sample

Transfer 5-10 shrimps into RYNAN AQ-Vision container> cover with lid.

Step 4: Position the camera

Lauch TOMGOXY app and navigate to in-app camera. Place the camera of mobile device over the designated hole on lid.

Step 5: Capture image for analysis

Click "Capture" button and allow app to analyze shrimp data.

Step 6: Disinfect RYNAN AQ-Vision

Wash and disinfect before next use to ensure biosecurity standards.

(*) Water level adjustment guide:
- **Water Level No. 1**: For shrimp culture of 20 - 45 days.
- **Water Level No. 2**: For shrimp culture of 45 to under 90 days.
- **Water Level No. 3**: For shrimp culture of over 90 days.

SPECIFICATION

Dimension	Cover: ⌀31cm; Bucket: 30.4 x 22.5 cm (H x W)
Material	PVC plastic
Measure criteria	Size of shrimps

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