

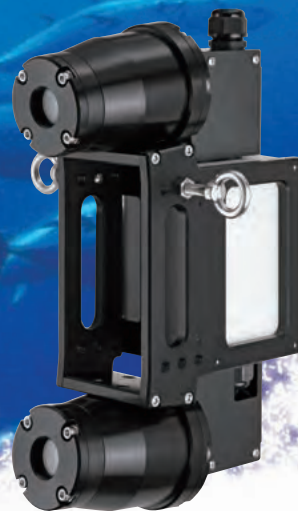
**FURUNO**

# AI Fish Weight Estimation Camera

Model

**UC-300/600**

*Lightweight, compact and easy to operate  
AI Analysis to Improve the Efficiency of  
Fish Farming Operations.*



Model UC-300



Model UC-600

[www.furuno.com](http://www.furuno.com)



# Easy operation

## Optimize feeding by precise fish weight estimation



UC-300/600 monitors the growth of fish inside a cage. It captures images of the fish and AI analysis provides fish weight distribution and the average of fish weight.

The system consists of 3 units; "camera unit", "communication unit" and "smartphone".

### For small cages

Model **UC-300**

Target fish: yellowtail, amberjack, sea bream, salmon, etc.



### For large cages

Model **UC-600**

Target fish: Bluefin tuna, yellowtail, etc.



## Features



### Compact design

Lightweight and **portable**.



### Design for simple operation

User friendly and **simple operation** makes it easy for anyone to handle.



### Precise measurement

Furuno's unique image processing technology allows **clear recognition even in murky sea water**.



### Rank indication according to reliability

The results are displayed by **rank according to the confidence level of the analysis results**.



### Exceptional Customer Service

Based on Furuno's technology and accumulated knowledge, **we provide optimal analysis and customized support to our customers**.



## POINT

# Grasp fish growth by AI analysis!

All the data recorded by UC-300/600 are analyzed by AI software on cloud to measure fork-length and body height of the fish, and to estimate fish weight according to the customized algorithm for each customer. Based on the analysis results, optimal feeding and production plans can be established to realize an efficient and stable fish farming business.

## Aqua Scope (examples)

### Dashboard

Top page of Aqua Scope. The latest status of all fish cages in the site can be checked at a glance.



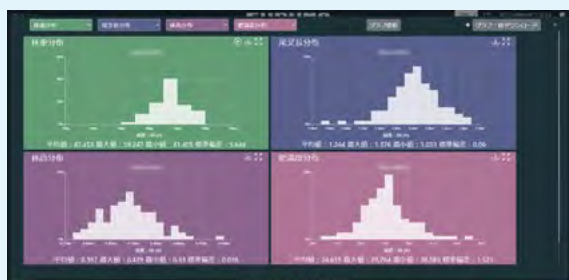
### Growth comparison between cages

You can check the growth curve of farmed fish for each fish cage over time.



### Distribution of measurement data

Visualize the distribution status of up to 4 data such as weight, fork-length, body height, and condition factor.



### 2-axis graph display

Compare two data, such as average weight and average condition factor, over time.

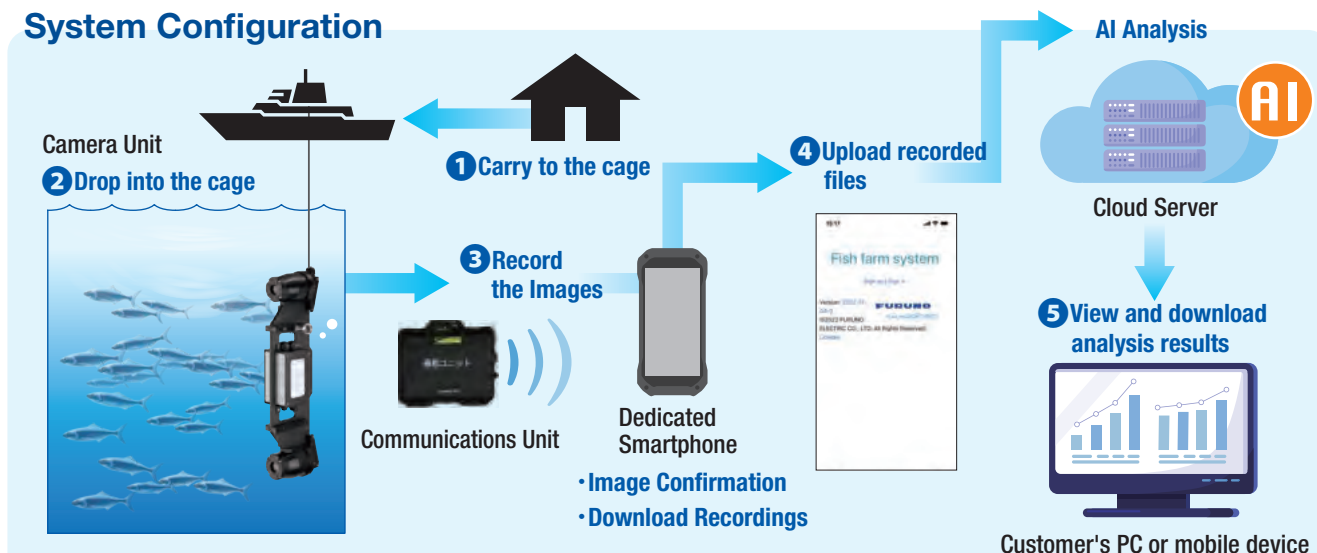


## POINT

# Easy to use!

- 1 Carrying UC-300/600 to the cage.
- 2 Connect the camera unit to the communication unit and drop the camera unit into the cage.
- 3 The camera unit records images while monitoring inside of the cage with the dedicated smartphone. Files recorded by the camera unit are downloaded to the smartphone.
- 4 Upload the recording files to the cloud server dedicated for AI analysis.
- 5 View and download analysis results by logging into the dedicated web application from your PC or mobile device.

## System Configuration



\* Internet access is provided via Wi-Fi or LTE (4G) line at the customer's office. 4G requires a SIM card to be arranged by the customer.

Stereoscopic camera for AI fish weight estimation

Model **UC-300/600**

Specifications

Camera Unit

Model	UC-300	UC-600
Image Resolution	1936 × 1464 pixel	
Focal length	0.5~1.5 m	1.5~5 m
Target fish species	yellowtail, amberjack, sea bream, salmon, etc.	Bluefin tuna, yellowtail, etc.
Cable length	Standard 20 m *Other lengths up to 40 m are also available.	
Weight	8.8 Kg	11 Kg
Temperature range	0°C to + 40°C (in water)	
Degrees of Protection	IPX8	

Communications Unit

External dimensions	W363 mm × L282 mm × H120 mm
Weight	3.1 Kg
Power Supply	AC100 V, 50/60 Hz
Power consumption	50 W
Degrees of Protection	IP65

Dedicated Smartphone

\*Kyocera Corporation product (TORQUE 5G KYG01).

Complete fish weight estimation camera system

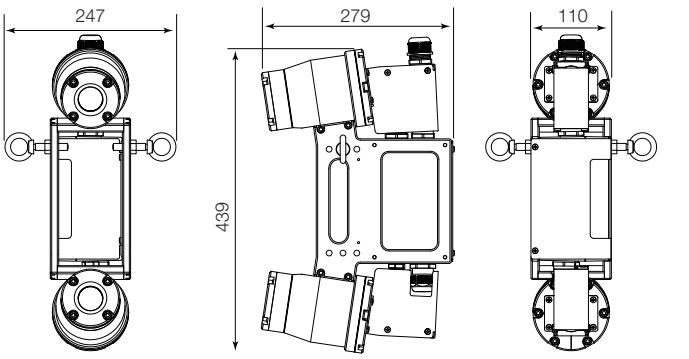


\*The power supply battery for the communication unit is to be arranged by the customer.

Dimensions

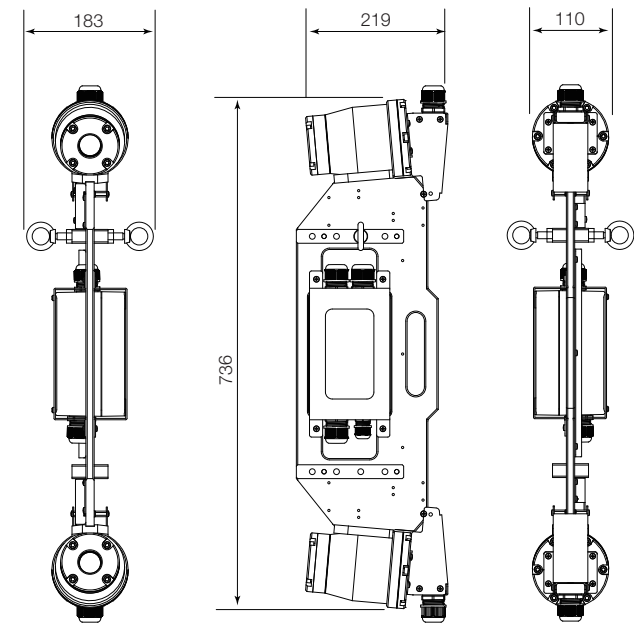
For small fish cages

UC-300 8.8 kg



For large fish cages

UC-600 11 kg



Beware of similar products

All brand and product names are registered trademarks, trademarks or service marks of their respective holders.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE