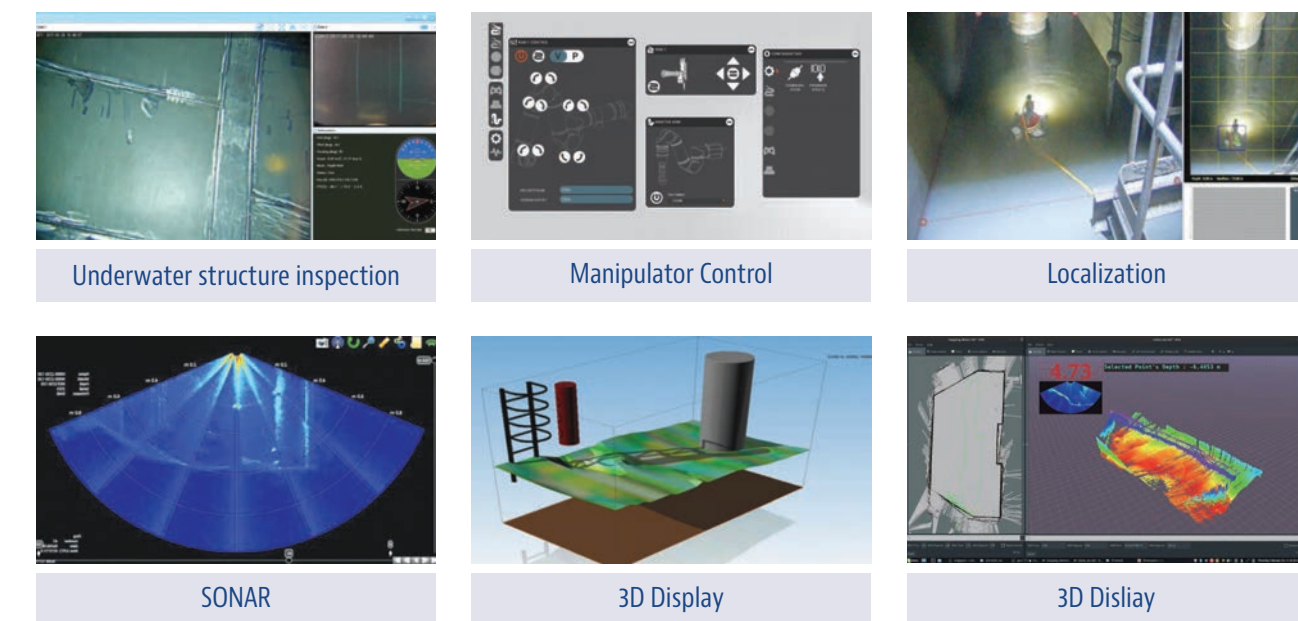
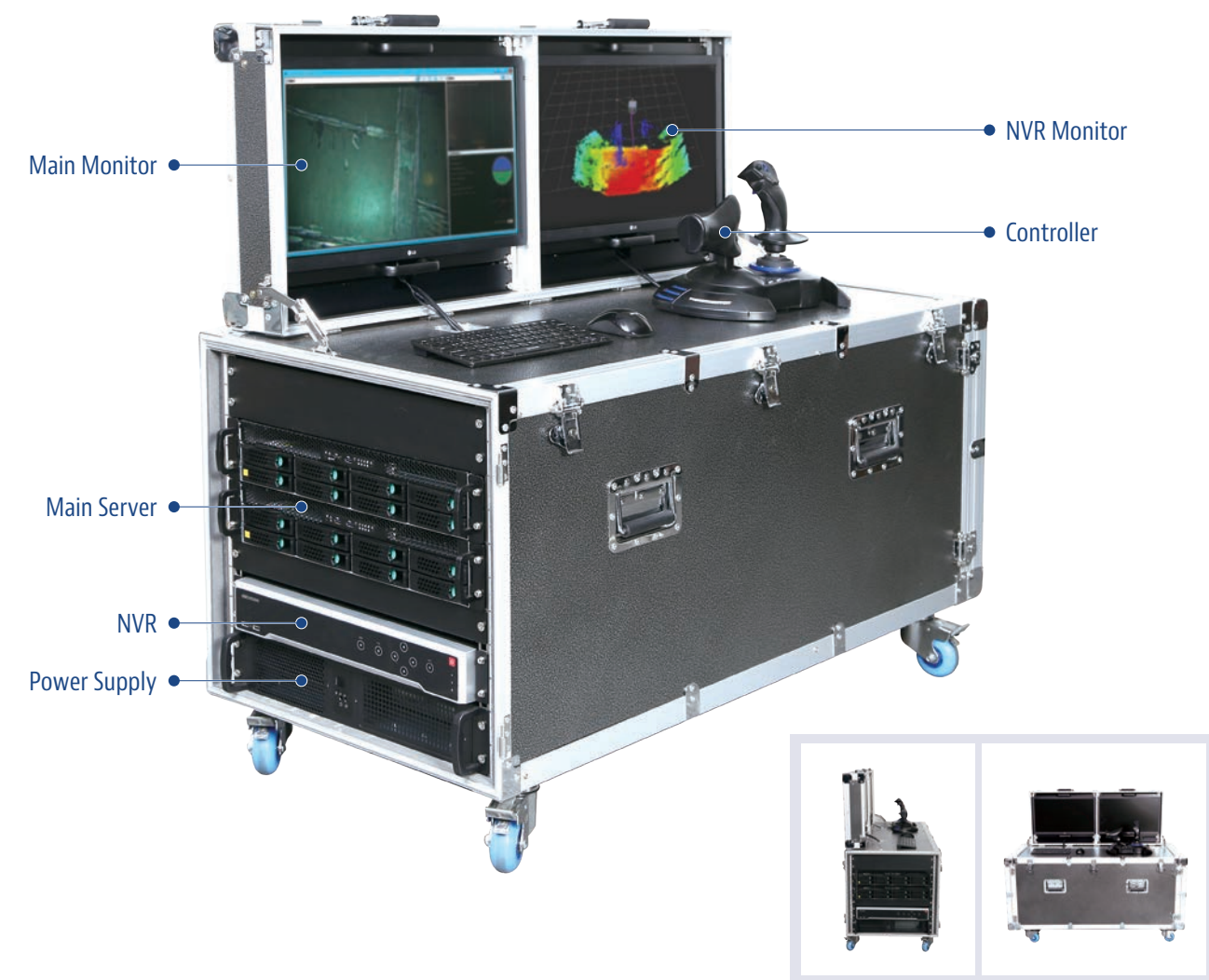


Control System



- 2000
 - Sep Established as YOUNGPOONG INDUSTRY
 - Oct Registered as a supplier of nuclear power plant
- 2006
 - Oct Venture Business Certification
 - Nov ISO 9001:2000 KSA 9001: 2001 certification
- 2015
 - Nov Company affiliated research institute certification
- 2016
 - Nov Development of IRWST inspection underwater robot in nuclear power plant (IRWST : In-containment Refueling Water Storage Tank)
- 2017
 - Oct Patent registration : Underwater drone (ROV)
- 2018
 - Jun Development of Automatic Surface Vehicle (ASV)
- 2020
 - May Development of Underwater Manipulator System (UMS)
- 2021
 - Oct Patent registration : Umbilical cable for underwater drone



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 Tel +82 51 303 2782 Fax +82 51 301 5661 E-mail sales@iyp.co.kr

Application

MARINE TECHNOLOGY ROVINS, V1

- Underwater structure inspection in power plant
- Dam, sluice, harbor, underwater beam inspection
- Water purification plant & underwater inspection
- Exploration of farming aquaculture status
- Underwater exploration and underwater environmental imaging

MARINE TECHNOLOGY ROVINS, V2

- Intake sediment scanning
- Marine pollution inspection
- Water quality measurement of desalination facilities
- Real-time marine environmental monitoring
- Undersea terrain scanning

MARINE TECHNOLOGY ROVINS, V3

- Underwater investigation
- Collect specimen for the water quality
- Remove trash in dam
- Remove impurities in chilled water tank
- Remove cut rope in fish farm
- In addition, various operation in the water is possible

MARINE TECHNOLOGY ROVINS, V4

- Underwater investigation
- Underwater particle & detritus inhaling in aquafarm



ROVINS, V1

Function

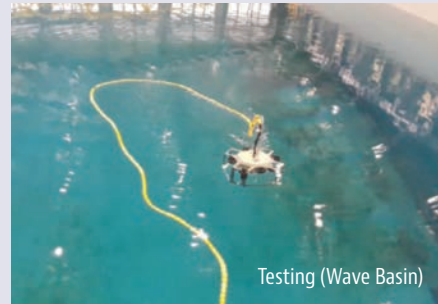
- Automatic Depth / Direction holding for comfort maneuvering
- Real time image acquisition and recording
- Inspection Camera : x30 optical Zoom / Tilt / Pan
- External power supply
- Extendable function availability (Customized software providing)

Specifications

- Size :ø680 × 1115H (mm) / Weight : 27 kg (Air)

Additional Option

- Underwater positioning system using DVL (Doppler Velocity Log sensor)
- Change the direction of inspection camera



ROVINS, V2

Function

- Automatic Depth / Direction holding for comfort maneuvering
- Underwater terrain Sonar Scanning & 3D Realization
- Localization
- Collision prevention
- Real time image acquisition and recording
- Extendable function availability (Customized software providing)

Specifications

- Size :ø680 × 800H (mm) / Weight : 30 kg (Air)

Additional Option

- Water Analysis

PH Meter	D.O, B.O.D & D.O.D
Water Temperature	Turbidity, etc



ROVINS, V3

Function

- Automatic Depth / Direction holding for comfort maneuvering
- Real time image acquisition and recording
- Manipulator & gripper for take specimen and remove trash, other purposes
- Extendable function availability (Customized software providing)

Specifications

- Size : ø680 × 1115H (mm) / Weight : 27 kg (Air)
- Lift at full reach : 3kg

Additional Option

- Water Analysis

Gripper	Brush
Camera Rope	Cutter



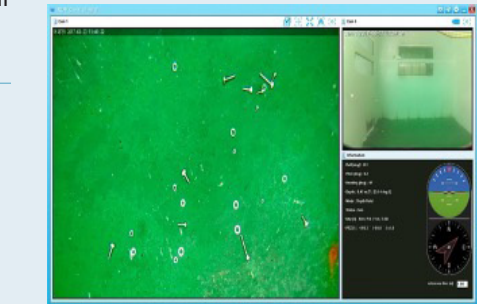
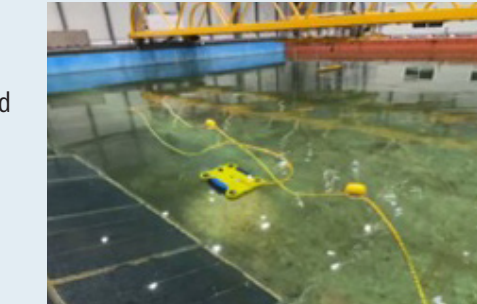
ROVINS, V4

Function

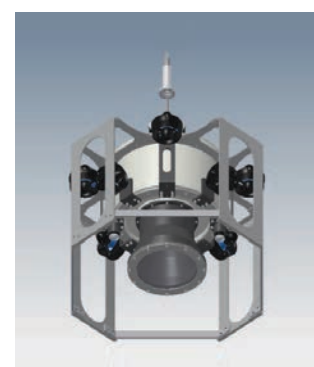
- Light workclass underwater robot
- Removal of floating matter in the water through the hose mounted on the underwater robot
- Automatic Depth / Direction holding for comfort maneuvering
- Real time image acquisition and recording
- front Camera : x10 optical Zoom / Tilt / Pan
- Underwater Acoustic positioning using DVL sensor
- Underwater obstacle collision avoidance function using 360 sonar sensor

Specifications

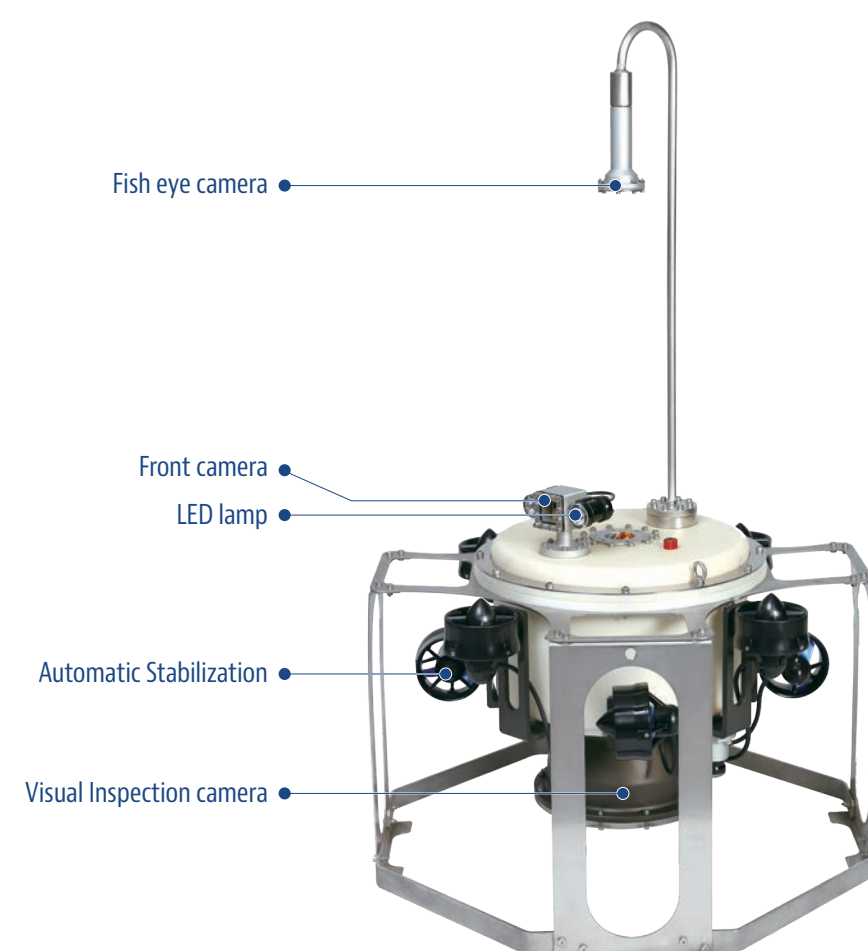
- Size : 600 x 800 x 500H (mm) / Weight : 53kg (Air)



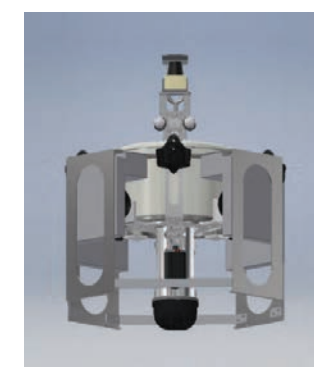
Top view



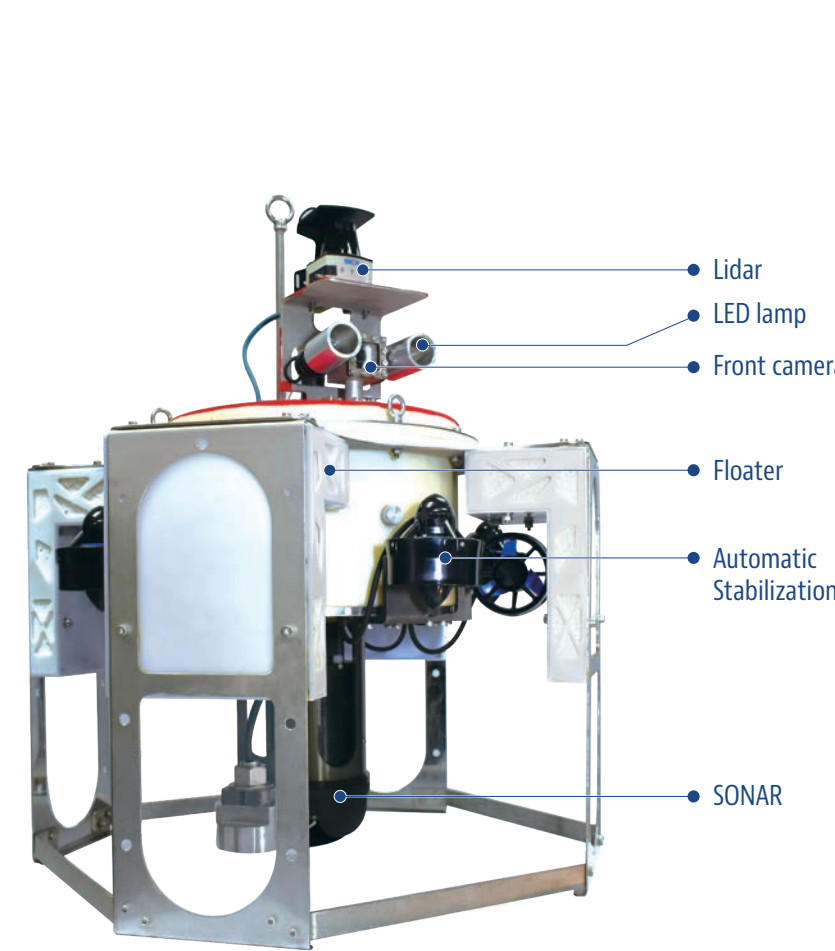
Low view



Top view



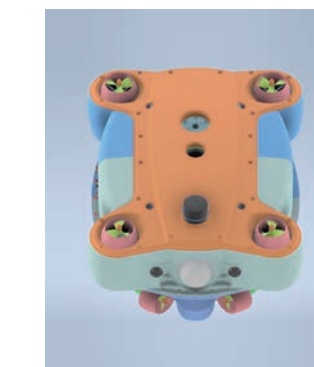
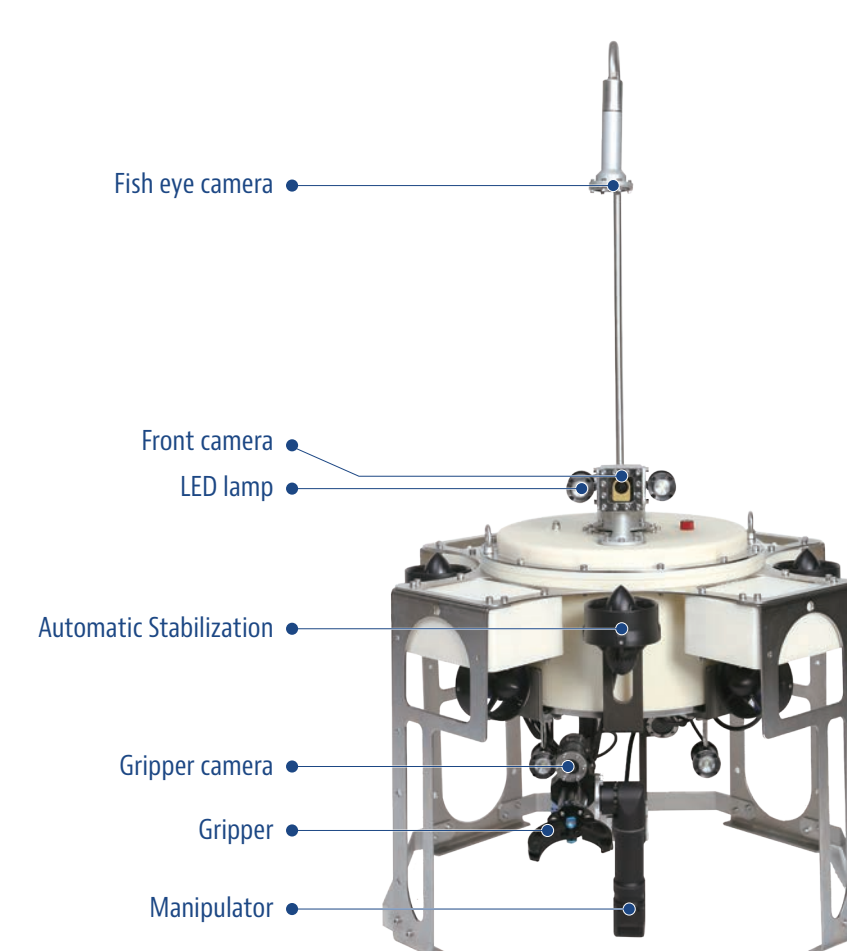
Low view



Top view



Low view



Top view



Low view

