



Chasing M2 Pro

ROV Overview (detailed specsheet overleaf)

The Chasing M2 Pro is a lightweight and modular ROV designed to be used in industrial settings. Depth rated to 150 meters, and designed to withstand forward-facing currents of up to 3 knots, this Mini-Observation classed ROV is more than enough to support your onshore and nearshore operations.

Accessories

- AC Power Supply Module (comes as standard)
- 5-PORT Docking Station (comes as standard)
- Laser Scaler
- Auxiliary / Additional Camera
- 12,000 LM Searchlight
- Distance Lock Sonar
- 2JAW Function Manipulator

General Applications

Onshore Underwater Inspections

- Hydropower / Dam Wall Inspection
- Hydropower Intake Inspection
- Urban Water Intake Inspection
- Etc.

Nearshore Underwater Inspection

- Vessel Inspection Services
- Sheet Pile Inspection
- Jetty Inspection
- Etc.

3. Preliminary Offshore Inspection

- SPM Inspection / Survey
- Mooring Chain Inspection / Survey

ROV

Dimensions

480x267x165 mm

Operating Temperature

-10°C - 45°C

Weight (Dry)

5.7 kg

Depth Rating

150.0 m

Weight (Gross /w Accessories)

~20kg

Maximum Speed

3 knots / 2.0m/s

Theoretical Battery Life (100% - 0%)

(700Wh) 4.7 hours / 282 minutes

Battery Life

Up to 4 hours

Practical Battery Life (100% - 20%)

(700Wh) 3.7 hours / 222 minutes

Normal / Upgraded Battery

302.4 Wh / 700 Wh

ROV Camera

CMOS

1/2.3 inch

Aperture

F1.8

Focal Length

1m

ISO Range

100 - ∞/00

Field of View

152 degrees

Maximum Image Resolution

12MP

Image Filetypes

JPEG / DNG

Video Filetype

.mp4

Video Resolution

UHD - 3240 x 2160@30fps
FHD - 1920 x 1080@25/30/50/60/100/120fps

Slow Motion Video Resolution

720p@240fps (8x)
1080p@120fps (4x)

Timelapse Video Resolution

4K / 1080p

Maximum Video Stream

60MB

Micro SD Card Memory

Standard 128GB
Maximum Support 512GB

ROV Light

Light Type

LED

Brightness

2000 lumens x 2

Color Temperature

5000 - 5500K

CRI

85 / 100

Adjustable Dimmable Settings

3 stages

Maximum Image Resolution

12MP

Control Panel

Dimensions

484x375x178 mm

Panel Interface

RJ45 x 2
USB 2.0 x 2
QC3.0 USB x 1
AC Input x 1
AC ROV Output x 1

Weight

8 kg

Display

1920x1080p

Remote Controller

Size

160x155x125 mm

Weight

0.685 kg

Battery Capacity

2500 mAh

Battery Life

≥6H (Depend on Working Condition)

Data / Power Input

Input : 2PIN MP Threaded Amphenol

Data / Power Output

Output : HDMI-FS Port + Type-C MP Port

Sensor

Depth Sensor

<±0.25 m

IMU Sensor

Heading, Roll, Pitch

Temperature Sensor

± 2°C

