

Chasing M2 PRO MAX

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CHASING M2 PRO MAX is an industrial-grade underwater remote operated vehicle (ROV) designed for government and enterprise users. Can be equipped with optional accessories such as sonar, USBL, water sampler, grabber arm and many more. Quick assembly and disassembly technology, shore-based power supply system and external floodlights to provide easy-to-use, fully professional and reliable underwater solution for various industrial applications e.g. underwater emergency rescue, inspections of various installations e.g. hull and dock, aquaculture, hydropower and offshore wind power facility as well as scientific exploration, water conservancy etc.

KEY FEATURES

200m depth & 400m radius operating range

M2 PRO MAX can dive up to 200 metres and move around a max. horizontal radius of 400 meters. The range can be extended with using different lengths of tether cables

Excellent picture quality

M2 PRO MAX supports 4K video resolution and 12-megapixel photos. It is equipped with 1/2.3 SONY CMOS and EIS anti-video-shake feature, allowing you to capture every underwater detail. Videos and photos are stored on removable 128G Micro SD memory card which can be swapped easily anytime for another one with different capacity (up to 512G).

External floodlights illuminate every detail

Two external floodlights can provide 8000 lumens' illumination and achieve the best beam angle at 150°, which can resolve the visual interference caused by the reflection of floating debris. This feature also allows stepless adjustment of brightness in the range of 0-100%, allowing the ROV to illuminate each detail in the underwater environment as needed.

Enhanced power and reliability of motor and thrusters

Great manoeuvrability thanks to 8 thruster vector layout, new materials, new technology, fluid design, power increased by 30% for. The anti-stuck performance is improved, making the ROV easier to clean and more reliable.

Multiple accessories with easy mounting system

The Quick Accessory Assembly and Disassembly Technology allows you to install accessories on the ROV by combining the slide-in mounting platform and the ROV support rod. The process is convenient and reduces assembly and disassembly time and effort. Docking station is integrated into the ROV, simplifying the installation of multiple accessories. The new layout of the five reserved ports supports up to five accessories at the time.

24/7 missions

Shore-based power supply system with output power increased to 1500W ensuring that the ROV can work 24/7 at full power without an outage.

SET INCLUDES

- Chasing M2 Pro Max
- Remote controller
- 300Wh battery
- E-Reel + 200 m tether
- 128 SD card
- Carrying case

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MANUFACTURER

CHASING

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Underwater search
& rescue



Hull & Dock
inspection



Inspection of offshore
wind power facilities



Water conservancy and
hydropower inspection



TECHNICAL DATA

ROV	
SIZE (mm)	608x294x1196 (without floodlights)
WEIGHT	8 kg
MAX DEPTH	200 m
PULL (forward/floist/traverse)	5,7/4,0/3,6 kg
RUNTIME	> 4 h
BATTERY	300 Wh
OPERATING TEMPERATURE	-10°C ~ 45°C
CAMERA	
CMOS	1/2.3"CMOS
LENS	F1,8
FOCUS	0,3 m to ∞
ISO RANGE	100-6400
FOV	152°
MAX RESOLUTION	12 Meg Pixel
FORMAT	JPEG/DNG
VIDEO	UHD: 3840*2160 (4k) 30fps FHD: 1920*1080 (1080p) 30/60/120fps
SLOW MOTION	720p: 8x (240fps) 1080p: 4x (120fps)
TIME LAPSE	4K/1080p Supported
VIDEO STREAM	60M
VIDEO FORMAT	MP4
SD CARD	128G

REMOTE CONTROLLER	
SIZE (mm)	160x155x125
WEIGHT	685g
BATTERY	2500mAh
RUNTIME	≥6hrs (depending on the working environment)
USB	Supported
WIRELESS	Wi-Fi supported
HDMI	Supported
HANDLE SPRING	Max support 10 inch
SENSOR	
IMU	Axis gyro / Accelerometr
COMPASS	Supported
DEPTH SENSOR	<±0,25m
TEMPERATURE SENSOR	<±2°C
CHARGER	
POWER	25,2V/8A
ROV CHARGING TIME	2,5H
RC CHARGING TIME	2H
LED	
BRIGHTNESS	2x4000 Lumens
COLOR TEMPERATURE	5000K~5500K
CRI	85
DIMMING	THREE GEARS