

CCROV Technical Specifications

Vehicle	
Maximum Operating depth	up to 100 m
Dimensions	208x204x158mm
Weight in Air	5.2 kg
Operating temperature	0 to + 40° C
Thrusters	6 magnetically coupled DC motors
Horizontal	4x vectored thrusters
Vertical	2x thruster
Cruising speed	up to 2 knots
Thrust Forward	1 kgf
Thrust Vertical	0.5 kgf
Hull body material	Aluminium alloy
Float Material	synthetic composite foam
TETHER DEPLOYMENT SYSTEM	
Max. tether length	95 m
Cable diameter	8 mm
Breaking Strength	80 kg
Max. Working Load	30 kg
Weight in Air	3 kg/100 m
Weight in Fresh Water	Neutrally Buoyant
Type	Ultra-thin flexible Kevlar Coax cable
Connector	wet type
Dimensions	293x238x310 mm
Weight in Air	8.6 kg (with battery pack)
CAMERA SYSTEM	
Camera Model	Sony IMX 11
Image Sensor	1/2.3" CMOS
Pixels	12 million effective pixels
Mini Illumination	0.3 lux (0.01 - b/w camera)
Lens	3.6 mm/F2.0
Iris Control	Auto
Focus	Auto
Field of View (FOV)	90°
Memory Card	64 GB Micro SD (Class 10)
Video Resolution	4K/30fps, 3840x2160 FHD-HD-1080P/120fps, 1920x1080 720P/240fps, 1280x720

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Max. image resolution	1200 M (4000*3000)
Video format	MP4 / MOV (MPEG-4 H.264/H.265)
Image format	JPEG
Max. bit stream of video storage	60 Mbps
LIGHTING SYSTEM	
Light Source	White ultra-bright LEDs
Qty of Lights	4
Luminous Flux	4x 350 lumen (1400 lm)
Beam Angle	105° each
Colour Temperature	5600-6000° Kelvin
NAVIGATION SYSTEM	
Sensors	Compass and Depth
On-screen overlay	Yes
Auto-depth mode	Yes
Heading accuracy	+/-3°
Compass resolution	0.5°
Depth sensor accuracy	1% F.S.
Vertical hovering accuracy	0.2 m
POWER SUPPLY	
Main power source	Lithium Ion battery pack 54.3 V - 154 Wh
Optional power source	AC Power module, Single Phase 100-240 VAC, 60-50 Hz
Output Voltage (ROV)	54 VDC
Running time (with embedded batteries)	2-4 h
Running time (with AC power module)	unlimited
REMOTE CONTROLLER	
Navigation system	WIFI remote controller
Monitor	your Smartphone or Tablet
On-Screen Display	Yes
Power Supply	4 x AA Cells
Mobile device bracket (max. height)	145mm
Suitcase	
Dimensions	575x406x299 mm
Waterproof case features	with a telescopic handle and smooth-running wheel, this case offers mobile protection for all of your equipment case shell made of polypropylene (PP) automatic air pressure compensation valve strong, dustproof, waterproof (IP67 certified) temperature resistant from -30° up to +80° C