

CCROV Technical Specs

Underwater Vehicle Specs

Feature Specs	
Dimensions	208 (L)×204 (W)×158 (H) mm
Weight in air	5.5 KG
Thruster	Four set horizontally, and two set vertically
Propeller	Immersion-type, with diameter of 34mm
LED	4×350 Lumen
Sensor	Depth, Temperature, Humidity(Temperature and Humidity is for the sealed cabin)
Main sealed cabin material	Aluminum alloy
Float material	Synthetic composite foam
Performance Specs	
Time of endurance	2~4 hour
Motion control	X, Y, Z, CW, CCW
Vertical hovering accuracy	±0.2m
Advancing speed	Max 1.0m/s (2 Knot)
Maximum sustain pressure	100m
Camera	4K/30fps
Operating ambient temperature	From -20°C to 40°C

Tether Deploy System (TDS) Specs

Dimensions	293(L)mm×238(W)mm×310(H)
Weight in air (TDS & Cable, excluding the battery)	3.5kg (25m cable)5kg(50m cable)/6 kg(75m cable)/7.5kg (95m cable)
Cable diameter	8mm, MRB(MINIMUM BENDING RADIUS) 1.0cm±0.2cm, MLP(MAXIMUM LINE PULL) 80KG
Optional accessory	AC power module
AC Power Module	Input 100-240 VAC 50/60 Hz; Output DC 54V/5.95A

Remote Control Specs

Operation frequency	2.400GHz~2.483Ghz
Max. effective signal range	FCC CE 100M (without interface or shield)
Operating ambient temperature	0~40°C
Battery	4 batteries (AA)
Transmitting power (EIRP)	FCC: below 20 dBm
Mobile device bracket	Dimensions: 66 × 110 × 26mm, capable of supporting the mobile device with the maximum height of 145mm.

Camera Parameters

Image sensor	Sony IMX 117 1/2.3 inch CMOS; 12 million effective pixels
Lens	FOV 90° f/2.8 ,infinity focus
Maximum image resolution	4000×3000
Shooting mode of photos	Single photo shooting/multi-photo shooting/fixe-time shooting
Video resolution	4K: 3840×2160 (4K) 30fps FHD: 1920×1080P 120fps/60fps HD: 1280×720P 240fps/120fps
Maximum bit stream of video storage	60 Mbps
Image format	JPEG
Video format	MP4 (H.264/H.265)
Memory card type	64 GB Micro SD card (Class 10)
Operating ambient temperature	0° C ~ 40° C

Battery and Charger Specs

Capacity	2850mAh
Voltage	54.3V 15S
Battery type	18650 lithium battery pack
Energy	154.76Wh
Overall weight of battery	850g
Operating ambient temperature	-10° C ~ 40° C
Maximum charging power	75W
Battery charger	Input 100-240V; Output 60V

APP, Image Transmission and Others

Mobile device App	CCROV
Effective omnidirectional radiation power	100mW
Operation frequency	5.8GHz
Real-time image transmission	720P @ 30fps (depending on actual shooting environment and mobile device)
Delay	200ms (From real time video to top monitor display ,depending on actual shooting environment and mobile device)
Mobile device system version requirement	IOS 9.0 or later/ Android 4.4 or later
Hard suitcase size(Optional)	575(L)×406(W)×299mm(H)