

PowerRay Product Specifications

PowerRay

Dimensions	465x270x126mm
Weight	~3.8kg (In air)
Operating Temperature	32° ~104° F (0~40°C)
Depth Capacity	30m
Depth Accuracy	±10cm
Max Cruise Speed	3Kn (1.5m/s) (Still water)
Max Sailing Time	4h (Still water,light use) 1.5h (Still water,L speed mode cruise) 0.5h (Still water,H speed mode racing)
Charging Time	≤2.5h
Thruster Configuration	3 thrusters (2 horizontal ,1 vertical)
Battery	94.72Wh (14.8V 6400mAh) LiPo
Battery Cycle Time	≥100

Camera

Lens	FOV 95° (In air) F2.8
Sensor	1/2.3 inch CMOS, Effective pixels:12M
Image Size	12M: 4000x3000 4:3 (default) 8M: 3840x2160 16:9 5M: 2560x1920 4:3
Video Resolution	4K : 3840x2160 25fps (default) 1440P : 2560x1440 50fps FHD : 1920x1080 30/60fps
ISO	Auto / 100 / 200 / 400 / 800 / 1600

Burst Shooting 1/3/5 frames

Storage 32G/64G

Lights

Power 3Wx2

Brightness 450 lumens (with dimming control)

Color Temperature 6500K

Live View

Live View Quality 720P 25fps/1080P 30fps

Max Transmission Distance $\geq 10\text{m}$

Operating Frequency 2.4~2.483GHz

EIRP $\leq 20\text{dbm}$

Latency $\leq 300\text{ms}$

Fishfinder

Operating Frequency 125KHz

Track Angle 30°

Track Depth 0.6-40m

Operating Temperature $0\sim 40^\circ\text{C}$

Wireless WIFI 2.4~2.483GHz

EIRP $\leq 20\text{dbm}$

Wi-Fi range 90m

Resolution 0.1m

Operating Time $\geq 2\text{h}$

Charging Time $\leq 3\text{h}$

Remote Controller

Operating Frequency	2.4~2.483GHz
EIRP	≤20dbm
Max Transmission Distance	10m
Battery	3000mAh LiPo 1S
Operating Time	≥20h
Charging Time	≤3.5h
Operating Temperature	0~40°C
Supported Mobile Device Size	length: 41~175mm

Base Station

Operating Frequency	2.4~2.483GHz
EIRP	≤20dbm
Battery	3000mAh LiPo 1S
Operating Time	≥3h
Charging Time	≤2.5h

Communication Cable

Diameter	4.2mm
Length	50m/70m
Working Strength	30kg

Charger

Input	AC100-240V 50/60Hz 1.6A
Output1	16.8V/4.5A(M16 waterproof connector)
Output2	5.0V/2.0A (M12 waterproof connector)
Output3	5.0V/2.0A(Micro USB)
Output4	5.0V/0.2A(USB)

Bait Drop

Weight	8g
Supported Weight	≤120g (in the water)

VR Goggle

FOV	100°
IPD	53~77mm
Supported Mobile Device Size	4.7'~5.5'
Wear Glass	support

APP

iOS	iOS 8.0 or later
Android	Android 4.2 or later
Supported Mobile Device	