

# PowerDolphin Specs

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 [powervision.me/eu/product/powerdolphin/specs](https://powervision.me/eu/product/powerdolphin/specs)

PowerDolphin Vehicle

Weight~5 lb

Dimension21 x 9 x 5 in

Waterproof RatingIPX8 (6.6 ft, 0.5 hr)

Operating Temperature Range32 F - 104 F

Max Speed10 mph (~8 kn) (still water)

Max Brightness of Headlight220 lm, 6500 K

Max Sailing Time2.5 hrs (still water, speed in U mode)

20 mins (still water, speed in C or N mode)

Operating FrequencyFCC/IC/MIC: 2412 - 2462 MHz

CE/SRRC: 2412 - 2472 MHz

Transmitter Power (EIRP)FCC/IC:  $\leq 31$  dBm

CE/SRRC/MIC:  $\leq 20$  dBm

Camera Arm

Joint Motion RangeManual joint:  $0^\circ$  -  $110^\circ$

Electric joint:  $-110^\circ$  -  $0^\circ$

Camera Tilting Range  $-150^\circ$ -  $70^\circ$

Camera

Sensor1/2.3 inch CMOS

Effective pixels: 12MP

LensFOV  $132^\circ$  (in air) F2.5

ISO Range100-6400

Max Image Size4000\*3000

Still Photography Modes Single Shot

Burst shooting: 3/5 frames

Interval: 1s/3s/5s/10s/30s

Video Resolution 4K: 3840 x 2160, 30fps

1080p: 1920 x 1080, 60fps

720p: 1280 x 720, 120/240fps

Max Video Bitrate 60Mbps

Supported File Systems FAT32, exFAT

Photo Format JPG

Video Format MP4

Supported SD Card microSD

Class 10 or UHS-1 rating required

Max capacity: 128 GB

Mobile Device Connection

Operating Frequency 2.412 GHz - 2.472 GHz

Max Transmission Distance

(Unobstructed, free of interference) 330 ft (5 ft above the water; relative to the performance of the mobile device)

Charger

Input 100 - 240V, 50/60Hz

Output 12.6 V / 3.76 A

5.0 V / 2.0 A

Rated Power 48W

Remote Controller

Operating Frequency FCC/IC: 2412 - 2462 MHz, 5745 - 5825 MHz

CE: 2412 - 2472 MHz, 5660 - 5700 MHz

SRRC: 2412 - 2472 MHz, 5725 - 5825 MHz

MIC: 2412 - 2462 MHz, 5500 - 5700 MHz

Transmitter Power (EIRP)2.4G:

FCC/IC:  $\leq 30$  dBm

CE/SRRC/MIC:  $\leq 20$  dBm

5G:

FCC/IC/CE/SRRC/MIC:  $\leq 12$  dBm

Max Transmission Distance  
(Unobstructed, free of interference)  
FCC/IC:

Remote is 11 ft above the water: 0.5 mi

Remote is 5 ft above the water: 0.3 mi

CE/SRRC/MIC :

Remote is 11 ft above the water: 0.3 mi

Remote is 5 ft above the water: 0.2 mi

Tips: The higher the remote is above the water, the farther the transmission distance can be.

Operating Temperature Range32 F - 104 F

Battery Capacity3500 mAh

Operating Time~2 hrs

Charging Time~2 hrs

Supported Mobile Device SizeMax thickness: 0.32 in

Max width: 3.3 in

Supported USB Port TypeType-A

Intelligent Battery

Watt Hours64.64 Wh

Nominal Capacity5800 mAh

Voltage 10.8V

Max Charging Voltage 12.6V

Battery Type Li-ion

Weight ~1 lb

Charging Temperature Range 32 F - 104 F

Charging Time ~2.5 hrs

Max Charging Power 63 W

App

Mobile App Name Vision+ 2

Live View Quality 1080p@30fps, 720p@30fps

Latency < 300 ms (depending on environmental conditions and mobile devices)

Required Operating System iOS 8.0 or later, Android 5.0 or later