

PowerEye		
	Technology	Specs
PowerVision S1		
PowerVision S1		
Aerial Drones		
PowerVision Dock		
PowerEgg X 8K		
PowerEgg X		
PowerEye		
Marine Drones		
PowerDolphin		
PowerRay		
PowerSeeker		
Accessories		
PowerVision Case		
PowerVision Pack		
Support		
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PowerEye Product Specifications

Professional Focus. See Beyond



AIRCRAFT

Weight	3950 g(Battery and propellers included)
Diagonal Size(Excluding Propellers)	650 mm
Physical Dimension	340 mm x 285 mm x 296mm(Close))
	513mm x 513 mm x 310mm (Flight)
Max Ascent Speed	5 m/s (Professional mode)
Max Descent Speed	2 m/s (Professional mode)
Hover Accuracy	2 m/s (Professional mode)Vertical: +/- 0.1 m
	(When Vision Positioning is active, 0.2 – 4 m); +/-
	1 m
	Horizontal: +/- 0.2 m (Surface with clear pattern
	and adequate lighting); +/- 1.5 m
Max Flight Speed	18 m/s (Professional mode)
Operating Frequency	2.4G
Propellers Size	15.5 inch
Power	400 W (Hover) 800W (Max))
Max Flight Time	Approx. 29.5 min
Max Attitude	35 degrees

	Technology	Specs	Tutorial
Operating		-10 — 40°C	
GPS Mode		GPS and BeiDou	
Wind Resistance		<=5 level< span="">>	

GIMBAL

Controllable Pitch	0 — 90°
Controllable Yaw	-180° — +180°
Stabilization	3-axis (Pitch, roll, yaw)
Controllable	0.05°

STANDARD REMOTE CONTROLLER

Operating	0-40° C
Battery	5000 mAh LiPo 1S
Operating Voltage	120mA/3.7V
Operating Life	35 hours
Charging Time	5 hours

OPTICAL POSITIONING

Velocity Range	≤ 4 m/s (2 m above ground)
Altitude Range	20.2 — 3.5 m (0.66 — 13.12 ft)
Environment	Surface with clear pattern and adequate lighting (Lux > 15)

CHARGER

PowerEye	Technology	Specs	Tutorial
Frequency		47–63Hz	
Output Port 1		25.5V ± 0.1 V	
Output Port 2		5V±0.1V	
Operating		–10° – 45°C (14° – 113°F)	
Rated Power		138.5W	

PowerEye payload

outline size	105*120*90 mm
weight	537g
power Supply	12V/5V/3.3V
control signal	UART/SPI/I2C/CAN
endurance time	0.5kg 21.5m
bearing weight	0–2kg
one click throw	support
downward FPV	support
forward FPV	support
packaging method	Independent packaging or containerizing

CAMERA

Sensor	'4/3' CMOS
Lens	Panasonic Lumix G 14mm F2.5 ASPH (Standard)
	Olympus M.Zuiko 17mm f/1.8
	Olympus M.Zuiko ED 14–42mm f/3.5–5.6 EZ
	(zoom)
	Olympus M.Zuiko 25mm f1.8
	Olympus M.Zuiko 45mm f1.8

PowerEye	Technology	Specs	Tutorial
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		100–1600(Video)
Shutter Speed		1/360s
Image Max Size		4000X3000
Still Photography Modes		Single shot
Video Recording Modes		4K 4096×2160
		UHD 3840×2160
Supported SD Card Types		Micro–SD card
		Max capacity: 64 GB. Class 10 or
		UHS–1 rating required
Max Video Bitrate		60Mbps
Supported File Formats		FAT32/exFAT
		JPEG
		MP4,MOV
Operating Temperature		–10° – 40°C

BASE STATION

Operating		Aircraft to Base Station: 2.400 – 2.483 GHz
		Base Station to other devices: 5.745 GHz – 5.825 GHz
Max Transmission		5 km (3.1 miles) (Subject to regulation and local operating conditions).Distance will be shorter for CE.
Operating		0° – 40°C (32° – 104°F)
Battery		2300mAh LiPo 1S
Transmitter Power		20 dbm @ CE, 28 dbm @ FCC
Operating Voltage		800mA/3.7V
Operating Life		1.5 hours
Charging Time		3 hours

POWEREYE SMART BATTERY

Capacity	9000mAH
Voltage	22.2V
Battery Type	LiPo
Energy	99.9WH×2
Net Weight	1230g
Operating Temperature	−10° — 40°C
Charging Current	≤2C

SDK

UAV	open aircraft attitude, GPS and other information (later)
camera	Open camera configuration, photos, video, image acquisition and other functions
task module	Open mount interface, data transfer protocol, port configuration and other functions
control	Open aircraft route control, takeoff control and other functions

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