

TECHNICAL SPECIFICATIONS

BLUEYE PIONEER



Drone

Ingress protection	IPX8
Dimensions	485 x 257 x 354 mm (LxWxH)
Weight in air	8.6 kg (with salt water ballast)
Construction	ABS enclosures, Aluminium pressure enclosures, Polycarbonate (PC) windows
Buoyancy material	HCP 30 Polymer Foam
Maximum rated depth	150 m
Forward speed at normal use	1.5 m/s (3 knots)
Thrusters	4 x 350 W
Run time at normal use	Approx. 2 hours
Operating temperature	-5 to +35 °C

Camera

Sensor	CMOS, 1/3 inch
Max image size	1920 x 1080 pixels
Shutter speed	1/30 s - 1/8000 s
Picture max resolution	2M (1920 x 1080)
Picture type	JPEG
Video resolution	FHD: 1920 x 1080 25/30 Fps, HD: 1280 x 720 25/30 Fps
Video type	MP4
Video storage bit-rate	2 to 16 MBit/s
SD card	64 GB

LED lights

Luminous flux	3300 Lumen
Colour temperature	5000 K
Colour rendering index (CRI)	70
Adjustable dimming	Yes

Smart Battery Pack

Nominal Voltage	14.8 V
Nominal Capacity	6500 mAh
Nominal Energy	96.2 Wh
Operating temperature	-5 to +35 °C
Charging temperature	+5 to +30 °C

Sensors

IMU	3 axis gyro & accelerometer & magnetometer
Depth sensor	Resolution: 0.2 mbar
Depth sensor operating range	0 to 30 bar
Temperature sensor	+/-1 °C

Controller

Compatibility	iOS or Android
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Tether

Length	From 75 m
Breaking strength	100 kg
Number of cables	1 twisted pair (copper)
Size	26 AWG

Surface Unit

Ingress protection	IP64
Dimensions	38 x 149 x 158 mm (LxWxH)
Operating frequency	2.4 GHz / 5.8 GHz
Max Wi-Fi distance	30 m
Battery	19.48 Wh
Operating temperature	0 to +35 °C
Charging temperature	+10 to +35 °C
Transmitter power	125 mW
Operating voltage	5 - 8.4 V
Output, USB A	5 V, 400 mA
Input, Micro USB	5 V, 2.1 A
Antenna	Dual-band 3dBi RP-SMA Male

Charger

Dimensions	56 x 107 x 64 mm (LxWxH)
Operating temperature	+5 to +30 °C
Operating rel. humidity	20% to 80%
Input	19.5 V, 4 A
Output	16.8 V, 2.5 A

Power supply

Input	100 - 240 V, 3A, 50 - 60 Hz
Output	19.5 V, 11.8 A
Operating temperature	0 to +40 °C
Operating rel. humidity	20% to 80%
Manufacturer	FSP GROUP
Model	FSP230-AJAN3