**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 +35 °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

**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
- 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

**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, 11.8 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

**Manufacturer**: FSP GROUP