

## HANDHELD CONTROLLER FOR: DRAGANFLYER X6 HELICOPTER



**Size & Weight:**

Width: 22cm (8.7in)

Height: 12cm (4.7in)

Depth: 8cm (3.1in)

Weight: 895g (31.5oz)

**OLED Touch Screen Display:**

Diagonal Size: 7.2cm (2.8in)

Resolution: 240x320 px

Colors: 65,536 (16-bit)

Luminance: 160 cd/m<sup>2</sup> (candela per square meter)

Contrast Ratio: 10,000:1

Viewing Angle: 170°

Touch Screen Type: Pressure Sensitive Resistive

**Buttons & Controls:**

2 Dual-Axis Gimbals

3 Trim Tabs

Shutter Button

Ascent/Descent Switch

Zoom In/Out Switch

Variable Camera Tilt Knob

GPS Position Hold Switch

Trainer Button

Touch Screen (Finger or Stylus Sensitive)

**External Connections:**

Video Output:

Number of Video Output Jacks: 2

Connect To: Video Goggles & Recording Device  
Output: Streaming Video Received From Helicopter  
Charge Input: Integrated Balance Connector and Power Connector  
SD Card Slot: Firmware Update, and Auxiliary Black Box

**Internal Rechargeable Battery:**

Chemistry: Lithium Polymer  
Voltage: 11.1V  
Capacity: 2,000mAh  
Cell Configuration: 3s1p (3-series 1-parallel)  
Connectors: Integrated Balance Connector and Power Connector  
Recharge Time: 30 minutes

**Flight Simulator Controller Function:**

Controller To Personal Computer Connection: Wireless  
Compatible With: FMS Flight Simulator

**Buddy Box Controller Function:**

Main Controller to Assisting Controller Connection: Wireless  
Possible Configurations:  
    Flight Controls on Main & Camera Controls on Assist  
    All Controls on Assist & Full Override on Main  
    Custom Splitting of Controls Between Main and Assist

**Flight Recorder / Black Box:**

Saves flight data to: on-board removable MicroSD memory card  
Use for: post flight analysis, troubleshooting, crash log  
Includes GPS Data

**Information Displayed:**

Heading  
Bearing

Altitude  
Climb Rate  
Speed  
Temperature  
Throttle  
X6 Helicopter Battery Voltage  
Controller Battery Voltage  
Data Link Quality  
Number of GPS Satellites Locked On  
GPS Reception Quality  
Attitude (Roll, Pitch, Yaw)  
Magnetometer Readings (Right, Forward, Down)  
Velocity (North, East, Down)  
GPS Latitude & Longitude  
Altitude (GPS & Barometric)  
GPS Accuracy & Position Errors

**Materials:**

Rubber Grip  
ABS Plastic

**RF Control & Data Link:**

2.4GHz Data Link

Link Type: Helicopter to Ground & Ground to Helicopter (Two-Way)  
Controller Antenna: Omni-Directional  
Helicopter Antenna: Wired Whip Antenna  
Transmission Power (North America): 100mW (+20dBm) EIRP  
RF Data Rate: 250kbps  
Receiver sensitivity: -100dBm  
Transmission Technique: DSSS (Direct Sequence Spread Spectrum)  
Frequency band: 2.4000 - 2.4835 GHz  
Certifications: CE, FCC, IC, ETSI  
Data Link Channel Selection: Automatic (12 Channels)

Channels Supported: 16 (9 used)

1. Throttle
2. Roll
3. Pitch
4. Yaw
5. Camera Shutter
6. Ascent
7. Camera Zoom
8. Camera Tilt
9. GPS Position Hold

**Embedded Dual Diversity Wireless Video Receiver:**

Model: DraganEye™ Pro

Diversity Type: Dual

Diversity Video Unit Switches Between Received Signals Based On:

Video Quality

RSSI Signal Strength

Video Link

Frequency: 5.8GHz

Link Type: Helicopter to Ground (One-Way)

Receiver Antennas: Omni-Directional & Flat Patch

Transmitter Antenna: Omni-Directional

Transmission Power: 12dBm

Transmitter Power Consumption: 500mW

NTSC and PAL Compatible

7 Selectable Channels: 5740MHz, 5760MHz, 5780MHz, 5800MHz,  
5820MHz, 5840MHz, 5860MHz