

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/m² (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