

Draganflyer X6 Handheld Computerized Controller



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

- **XXXXXXXX EXEMPTION 7 (a) and 7 (e)** 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)
 - **XXXXXXXX EXEMPTION 7 (a) and 7 (e)**
 - Certifications: CE, FCC, IC, ETSI
 - **XXXXXXXX EXEMPTION 7 (a) and 7 (e)**
- Channels **XXXXXXXX EXEMPTION 7 (a) and 7 (e)**
 1. Throttle
 2. Roll
 3. Pitch
 4. Yaw
 5. Camera Shutter
 6. Ascent
 7. Camera Zoom
 8. Camera Tilt
 9. GPS Position Hold

XXXXXXXX EXEMPTION 7 (a) and 7 (e) Wireless Video Receiver

- Model **XXXXXXXX EXEMPTION 7 (a) and 7 (e)**
- Diversity Type: Dual
- Diversity Video Unit Switches Between Received Signals Based On:
 - Video Quality
 - RSSI Signal Strength
- Video Link
 - Frequency: **XXXXXXXX EXEMPTION 7 (a) and 7 (e)**
 - 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
 - **XXXXXXXX EXEMPTION 7 (a) and 7 (e)**