



Product Specifications

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| Name of Product | CoDrone EDU |
| Packaging |  |
| Description | Educational drone for the classroom designed for students ages 12 and up |
| Features | 7+ sensors for programming autonomous challenges, durable and safe frame, programmable LEDs and buzzers, emergency landing, hovering, flips, return to home, front-range sensor for obstacle avoidance |
| Programming Languages | Blockly, Python |
| Device compatibility | Chromebook, macOS, or Windows |
| MSRP | \$214.99 |
| SKU | RL-CDE-100 |
| 889 Compliant | Yes |
| Product usage | Indoor only |
| Package Weight | 1.24 lbs |
| Package Dimensions | 7 in x 6.5 in x 3.25 in |
| Package Contents | <ul style="list-style-type: none"> ● User Manual ● CoDrone EDU ● Smart Controller ● 2 x drone batteries ● 1 x battery dual-charger ● 1 x USB-A to Micro-USB data cable ● 8 x color cards ● 4 x extra propellers (red and black) ● 1 x propeller remover ● Set of labels for drone and controller ● Screwdriver ● 1 x spare controller bolt |

Drone Specifications

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| Dimensions | <p>138.8 mm x 138.5 mm x 34.8 mm</p>  |
| Weight | <p>54.8 grams (with battery)</p> |
| Battery | <p>Single-cell Lithium-ion battery (3.7v 530mAh 20C)</p> |
| Continuous Flight Time | <p>7-8 minutes</p> |
| Charge Time | <p>60 minutes</p> |
| Motors | <p>4 x coreless DC motors</p> |
| Maximum Speed | <p>2.5 meters/second (9km/hr)</p> |
| Communication Protocol | <p>2.4 GHz Radio Frequency (Not Wi-Fi or Bluetooth compatible)</p> |
| Communication Chip | <p>Essemi HW2000B 2.4G Transceiver</p> |
| Range | <p>50 meters (line-of-sight)</p> |
| LED | <ul style="list-style-type: none"> • 1 x full-color programmable RGB LED • 4 x non-programmable navigation LEDs (green and red) |
| Sensors | <ul style="list-style-type: none"> • 2 x RGB color sensors (bottom) • Time-of-flight front range sensor (up to 1.5m) • Time-of-flight bottom range sensor (up to 1.5m) • Optical flow position sensor • Barometer • 3-axis accelerometer • 3-axis gyroscope • Temperature sensor |
| Payload Capacity | <p>< 5g</p> |

CoDrone EDU

Smart Controller Specifications

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|--------------------------------------|---|
| <p>Controller dimensions</p> | <p>14.5 cm x 6 cm x 5.5 cm</p>  |
| <p>Connector</p> | <p>Micro-USB</p> |
| <p>Weight</p> | <p>112 g (no batteries)</p> |
| <p>Battery</p> | <p>2 x AA non-rechargeable batteries (not included)</p> |
| <p>Rechargeable</p> | <p>No (Can be powered via Micro-USB if no AA batteries are available)</p> |
| <p>Screen</p> | <p>128 x 64 pixels LCD screen</p> |
| <p>Communication Protocol</p> | <p>2.4 GHz radio frequency communication</p> |
| <p>Communication Chip</p> | <p>Essemi HW2000B 2.4G Transceiver</p> |
| <p>Range</p> | <p>50 meters (line-of-sight)</p> |
| <p>LED</p> | <p>4 x programmable full-color RGB LEDs (not individually programmable)</p> |