



Product Specifications


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

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

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