
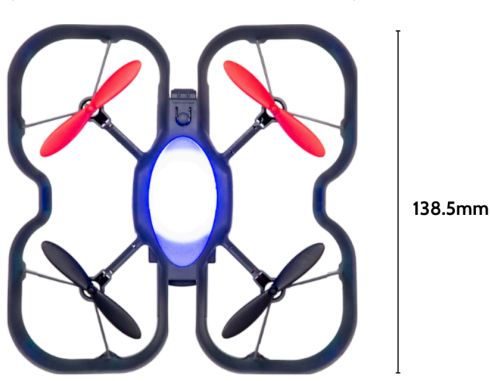



Product Specifications


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 Micro USB data cable • 8 x color cards • 4 x extra propellers • 1 x propeller remover • Set of labels for drone/controller • Screwdriver • 1 x Spare Controller Bolt

Drone Specifications

Dimensions	<p>138.8 mm x 138.5 mm x 34.8 mm</p> <p>138.8mm</p>  <p>138.5mm</p>  <p>34.8mm</p>
Weight	54.8 grams
Battery	Single-cell Lithium-ion battery (3.7v 530mAh 20C)
Continuous Flight Time	7-8 minutes
Charge Time	60 minutes
Motors	4 x coreless DC motors
Maximum Speed	2.5 meters/second (9km/hr)
Communication Protocol	2.4 GHz Radio Frequency (Not WiFi or Bluetooth compatible)
Communication Chip	Essemi HW2000B 2.4G Transceiver
Range	50 meters (line-of-sight)
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	< 5g

CoDrone EDU

Smart Controller Specifications

Controller dimensions	<p>14.5 cm x 6 cm x 5.5 cm</p> 
Connector	Micro USB
Weight	112 g (no batteries)
Battery	2 x AA non-rechargeable batteries (not included)
Rechargeable	No (Can be powered through 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)