



## Product Specifications

<b>Name of Product</b>	CoDrone EDU
<b>Packaging</b>	
<b>Description</b>	Educational drone for the classroom designed for students ages 12 and up
<b>Features</b>	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
<b>Programming Languages</b>	Blockly, Python
<b>Device compatibility</b>	Chromebook, macOS, or Windows
<b>MSRP</b>	\$214.99
<b>SKU</b>	RL-CDE-100
<b>889 Compliant</b>	Yes
<b>Product usage</b>	Indoor only
<b>Package Weight</b>	1.24 lbs
<b>Package Dimensions</b>	7 in x 6.5 in x 3.25 in
<b>Package Contents</b>	<ul style="list-style-type: none"> <li>• User Manual</li> <li>• CoDrone EDU</li> <li>• Smart Controller</li> <li>• 2 x drone batteries</li> <li>• 1 x battery dual-charger</li> <li>• 1 x USB-A to Micro-USB data cable</li> <li>• 8 x color cards</li> <li>• 4 x extra propellers (red and black)</li> <li>• 1 x propeller remover</li> <li>• Set of labels for drone and controller</li> <li>• Screwdriver</li> <li>• 1 x spare controller bolt</li> </ul>

## Drone Specifications

Dimensions	<p>138.8 mm x 138.5 mm x 34.8 mm</p> 
Weight	54.8 grams (with battery)
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 Wi-Fi or Bluetooth compatible)
Communication Chip	Essemi HW2000B 2.4G Transceiver
Range	50 meters (line-of-sight)
LED	<ul style="list-style-type: none"> <li>1 x full-color programmable RGB LED</li> <li>4 x non-programmable navigation LEDs (green and red)</li> </ul>
Sensors	<ul style="list-style-type: none"> <li>2 x RGB color sensors (bottom)</li> <li>Time-of-flight front range sensor (up to 1.5m)</li> <li>Time-of-flight bottom range sensor (up to 1.5m)</li> <li>Optical flow position sensor</li> <li>Barometer</li> <li>3-axis accelerometer</li> <li>3-axis gyroscope</li> <li>Temperature sensor</li> </ul>
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 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)