ROBOLINK
5075 Shoreham Pl Suite #110, San Diego, CA 92122 | info@robolink.com | (858) 876-5123

Product Specifications

Name of Product	CoDrone EDU (JROTC edition)
Packaging	
Description	Educational drone for the classroom designed to meet JROTC funding requirements. This edition is functionally the same as the CoDrone EDU. Click here for the full story.
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	$314.99
SKU	RL-CDEJ-100
889 Compliant	Yes
Product usage	Indoor only
Package Weight	1.24 lbs
Package Dimensions	7.1 in x 6.8 in x 3.5 in
Package Contents	• User Manual • CoDrone EDU (JROTC edition) • Smart Controller (JROTC edition) • 3 x drone batteries • 1 x battery dual-charger • 1 x USB-A to USB-C data cable • 8 x color cards • 4 x extra propellers (red and blue) • 1 x propeller remover • Set of labels for drone and controller • Screwdriver • Extra bolts for controller (x2), drone chassis (x2), front-range sensor (x2)

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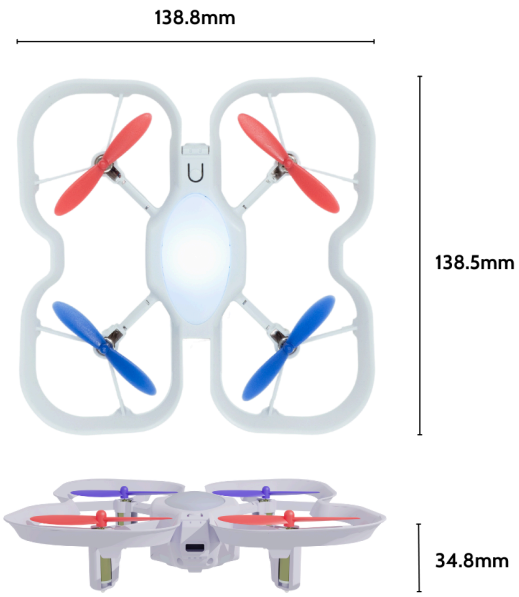
Drone Specifications

Dimensions	138.8 mm x 138.5 mm x 34.8 mm 
Weight	58.4 grams (with battery)
Battery	Single-cell Lithium-ion battery (3.7v 530mAh 20C)
Continuous Flight Time	7-8 minutes
Charge Time	60 minutes (on charger) or 40 minutes (via controller)
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	Nordic nRF24L01+ 2.4GHz Transceiver
Range	50 meters (line-of-sight)
LED	• 1 x full-color programmable RGB LED • 4 x non-programmable navigation LEDs (green and red)
Sensors	• 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

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Smart Controller Specifications

Controller dimensions	14.5 cm x 6 cm x 6 cm
Connector	USB-C
Weight	119 g (no batteries)
Battery	Single-cell Lithium-ion battery (3.7v 530mAh 20C)
Rechargeable	Yes (Can be charged via USB-C with battery inside)
Screen	128 x 64 pixels LCD screen
Communication Protocol	2.4 GHz radio frequency communication
Communication Chip	Nordic nRF24L01+ 2.4GHz Transceiver
Range	50 meters (line-of-sight)
LED	4 x programmable full-color RGB LED (not individually programmable)