Skydio

R10

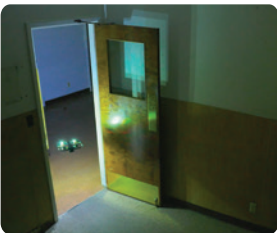## For tight quarters and total confidence.

The ease, durability and low operational cost of small consumer drones popular for indoor use, with the onboard lighting, communications and cloud integrations your mission demands. Launch, command, stream and upload—everything needed to get the job done, built in.

Small frame. Fully loaded.

Mission possible.

Onboard AI-driven autonomy helps R10 see and avoid obstacles—even in zero light with NightSense—and remembers its path for automated back-tracking. So anyone can fly it confidently in impossibly tight spaces. Send a robot, not a person.

Put your voice in the room.

Built-in two-way comms lets you listen and speak from a position of cover.

Built-in brightness.

R10 comes ready with high-intensity onboard lighting—no add-ons or hacking required.
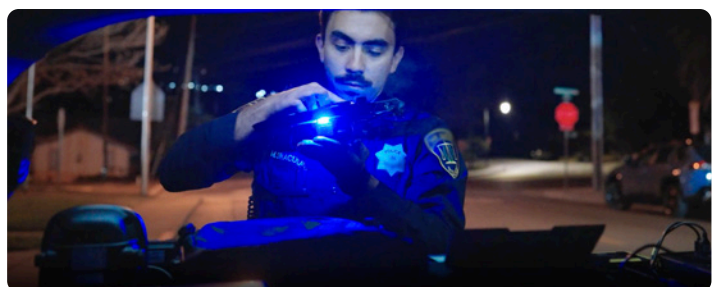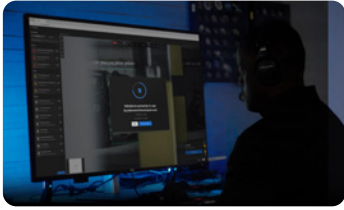
Stream past your flight time.

Perch Mode lets R10 land in place and stream for up to 3 hours, keeping visibility up while preserving battery.

Risk the machine, not the person.

Rugged. Reliable. Relentless. With a lightweight composite frame and reinforced propeller guards, R10 is built to take hits and keep flying—so your mission is never interrupted. And with Turtle Mode, it flips itself upright after an upside-down landing, getting back in the air in seconds.

Proudly designed, assembled, and supported in the USA.
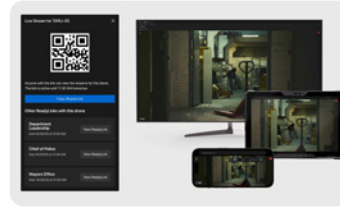
All on one platform.

Local launch. Remote flight.

R10 is DFR-native. When you need to focus on what's in front of you, hand off flight controls to a remote operator using DFR Command or Remote Ops. Just power it on and it's ready to fly via browser.
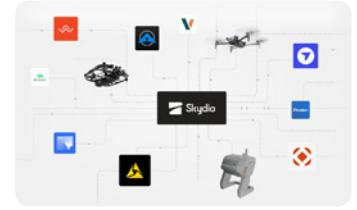

Stay connected. Everywhere.

R10 is 5G/LTE capable and comes standard with Skydio Connect Fusion, ensuring powerful, robust connection wherever you need to fly. You can even have two network carriers onboard, so the best network is always at your fingertips.

Eyes on. For everyone.

ReadyLink makes live-streaming simple, giving anyone on scene or back at command the view they need, instantly in their browser.

Works with what you use.

Take advantage of the Skydio Extend integrations and data pipelines you already rely on today—including Axon Evidence, Fusus, CAD systems, ESRI Site Scan, Asset management systems and more—streamlining everything from launch to upload. Integrate once and use it across all your Skydio drones.

Technical Specs

Aircraft

Startup time	Under 30 seconds
Vehicle dimensions	Height: 61.5 mm / 2.4" Width: 260.5 mm / 10.3" Length: 263.0 mm / 10.4"
Propeller dimensions **(diagonal tip-to-tip of propeller)**	4"
Weight (incl. battery)	785 g / 1.73 lbs
Max Angular Velocity	Yaw: 180 deg/s Roll/Pitch: 240 deg/s
Max tilt angle	45 degrees
Max ascent/descent speed	Ascent: about 9 mph (4 m/s) Descent: about 7 mph (3 m/s)
Max non-vertical descent speed	About 7 mph (3 m/s)
Max horizontal speed **(at sea level)**	About 27 mph (12 m/s)
Max horizontal speed **with obstacle avoidance**	About 18 mph (8 m/s)
Max gust handling	About 22 mph (10 m/s)
Flight time	20 minutes
Max perch time	3 hours
Processor	Qualcomm Snapdragon 865 SoC
Obstacle avoidance coverage	Forward facing 180°
Wireless networking **(media offload)**	Connect SL: WiFi6 Connect 5G: Cellular LTE/5G

Gimbal

User controllable range	±90 deg
Mechanical range	±119 deg

Camera

Sensor	1" 12.5 MP sensor
Diagonal field of view	93°
Focal length	8 mm (20 mm equivalent)
Aperture	f/1.95
Focus	100% focus pixel, 1 m to ∞
Exposure compensation	+-3
Electronic shutter speed	1/30 to 1/8000
ISO range	100 to 16000

Flight Battery

Capacity	6000 mAh
Voltage	14.4 V
Battery type	Rechargeable lithium ion
Energy	86.4 Wh

For additional technical specifications, please visit; skydio.com/r10/technical-specs

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