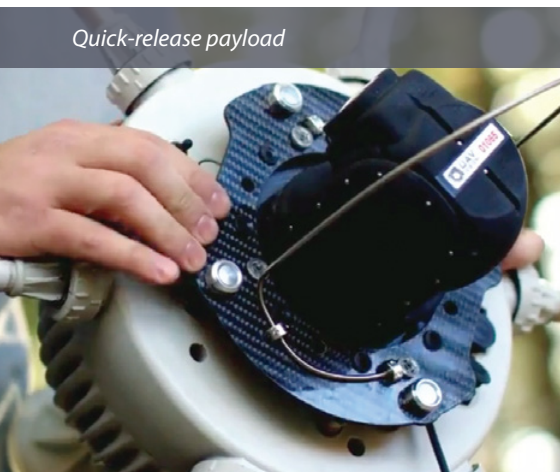


> PARC™

The Tethered Drone



Multi-day continuous flight



Quick-release payload

CyPhy Works' Persistent Aerial Reconnaissance and Communications (PARC™) platform provides stable, secure, autonomous flight. PARC allows you to focus on the business mission, rather than on controlling the UAV.

The Tethered Drone

- The patented Kevlar-reinforced, yet headphone cord-thin, microfilament tether provides secure communication and power to ensure hours of autonomous flight.

Multi-day continuous flight

- Powered by a ground source, with backup battery onboard for safe, autonomous landings if base station power is interrupted.

5-minute setup

- Quick, tool-less assembly for ease of use and transportation.

Modular payloads

- Quick-release payload mount means that you can switch payloads in the blink of an eye, and continue your operations quickly and seamlessly.

400 ft. operating altitude

- The current legal limit set by the FAA.

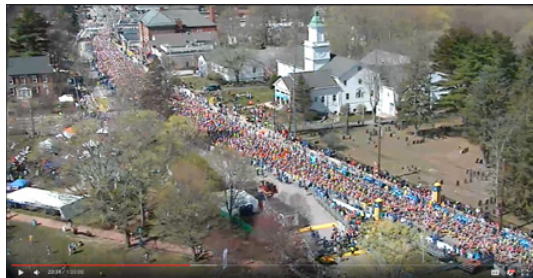
All-weather capable

- MIL-STD to be extremely rugged, resistant to wind, precipitation, and airborne debris.

Man-portable

- Entire system is delivered in easy to transport rugged shipment cases.

Parameter	Performance Value (Typical)
Air Vehicle Maximum Operating Altitude	≤ 122 meters (400 feet) AGL. 10k feet density altitude (As function of elevation and temperature).
Air Vehicle Operation in Wind	Operate in sustained winds ≤ 25 knots (29 mph) up to max operating altitude, operate in wind gusts ≤ 35 knots (40 mph). Launch and land in surface winds ≤ 15 knots (17.2 mph).
Operating Temperature (PARC System)	-20°C (-4°F) to +45°C (+113°F)
Storage Temperature	-40°C (-40°F) to +65.5°C (+150°F)
Humidity	≤ 94 ± 4% relative humidity
Rain	Up to 0.5 inches per hour
Enclosure Rating (Sealing)	IP53 (dust protected / water spray up to 60deg from vertical), meets MIL 810G.
Transportation/Environments	Compliant to MIL-STD-810 Secured Cargo (Vibration), Tactical Transport (Drop), Water-tight/Airtight (Immersion) transport methods. Compliant with MIL-STD-1472.



PARC: The Marathon Drone Flies Boston

CyPhy Works teamed up with the Massachusetts Emergency Management Agency (MEMA) to provide situational awareness over the runners' village and the starting area of the 2017 Boston Marathon. We flew two Persistent Aerial Reconnaissance and Communications (PARC™) drones non-stop from sunrise until the final runners crossed the start line in Hopkinton, Mass. This was the first-time drones flew over the historic race, providing real-time video to MEMA's emergency operations centers (EOCs). These EOCs served as hubs for local, state and Federal agencies to share data feeds and coordinate operations for crowd monitoring and identification of potential threats; and as bases from which response resources were dispatched.

About CyPhy Works

CyPhy Works is the leading persistent drone company. Our advanced aerial platforms are designed for customers in defense, public safety, and commercial industries. We deliver rugged, high-endurance tethered drones with secure payload data and autonomous flight.

Find out what's possible with PARC

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