

# WISPR Systems SkyScout



Check out the  
WISPR Systems  
SkyScout in  
action!



**WISPR**<sup>SM</sup>  
Power to the Pro

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## Drone

Maximum Sustainable Payload	3 lbs.
Max Flight Time to Battery Failsafe	With No Payload -> 35 min. With Payload <2.2 lbs: 30 minutes (+/- 2 minutes)
Max Wind Rating	50 MPH Tested
Collision Avoidance	Forward, Backward
Terrain Follow Source	GNSS (high altitude) or LiDAR Range Finder (low altitude)
Fully Assembled Dimensions	23" x 23" x 14"
Folded Dimensions	13" x 10" x 4"
Battery Configuration	2 x WISPR Smart Batteries 22.8V 4350mAh (Hot swappable)
Weight	4.925 lbs. (2.24 kg)
Max Takeoff Weight	12 lbs.
Max Speed	50 MPH
Operating Temperature	-4° F to 122° F
Propeller Size	18.2" x 5.9"
Orientation LED Light Covers	Red (Rear), White (Front)
Flight Controller	Cube Orange+
I/O Ports	MicroUSB (flight controller access) and USB-C (GPS storage access)
Frame Type	Quad Copter
Made in America	Yes

## GNSS

GNSS Receiver	Ublox ZED-F9P
RTK and PPK Compatible?	Yes
GNSS Band	L1, L2, and E5
GNSS Constellations	GPS+Galileo+Glonass+BeiDou (Default, but can add more)
IMU	Built-in 9-axis IMU

## Video Transmission

Live Preview Quality	1080p @ 30fps
Frequency	2.4Ghz over LTE
Range	9 miles
Antennas	2 x Antenna

## Smart Batteries

Voltage	22.8V
Capacity	4350mAh (99.18 Wh)
Battery Weight	1.4 lbs. (630g +/- 20g)
Charging Time	45 minutes

## Software

Flight Controller Firmware	WISPR Flight Firmware (custom ArduPilot build)
Mission Planning	WISPR Ground Control