

Hardware

Drone type	Tailsitter VTOL (Vertical take-off and landing)
Weight (empty)	3.7 kg (8.1 lb)
Max. payload weight	800 g (1.8 lb)
Wingspan	125 cm (4.1 ft)
Battery capacity	98 Wh (a pair of batteries required)
Radio link	8 km (5 mi), bi-directional antennas for optimal range

Software & Tablet

Flight planning & mission control Software	WingtraPilot
Tablet (supplied)	Android tablet; pre-installed; ready-to-fly. Interfaces to Telemetry module (data link for automated drone control) and manual back-up controller
Updates	free

Operations

Operational cruise speed	16 m/s (35.8 mph)
Wind resistance	Up to 45 km/h (12 m/s, 28 mph) in cruise Up to 30 km/h (8 m/s, 18 mph) for landing
Maximum flight time	55 minutes
Min. space for take-off and landing	2 m × 2 m (6.6 ft × 6.6 ft)
Designed Temperature Range *	-20° C to 50° C (-4° F to 122° F)
Ground Control Points required	No (with PPK option)

Results

Coverage at 120m (400ft) **	320 Ha (790 ac)
Max. coverage ***	45 km ² (17 mi ²)
Minimal ground sampling distance ****	Down to 0.7 cm / pixel (0.3 inch/pixel)
Absolute accuracy (RMS with PPK enabled)	Absolute accuracy (RMS): horizontal down to 1 cm (0.4 in) vertical down to 2 cm (0.8 in) Relative accuracy: down to 0.003 % (horizontal)

* tested and warranted temperature range -10° C to 40° C (14° F to 104° F)

** 2.8 cm/pixel (1.1 in/pixel), WingtraOne QX1 + 15 mm

*** max. reconstructable area, 2500 m (8200 ft) flight altitude, WingtraOne QX1 + 15 mm

**** For WingtraOne RX1R11. For WingtraOne QX1 1.4 cm/px (0.6 in/px)