

PF2-AE

ACSL

Delivery



SOLUTION

A logistics drone made more advanced through adoption of secure technology from Soten.

PF2-AE Delivery is a specialized drone for logistics applications with LTE communication as standard equipment. A transport box and delivery mechanism are standard equipment, enabling transport of contents weighing up to 1.5 kg and Two standard transmitters are included in the set, allowing safe monitoring at two locations, one at takeoff and the other at landing.

PF2-AE is equipped with ACSL's proprietary flight controller, which encrypts communications to reduce the possibility of information leakage, making it a secure and safe drone to use.



A transport box and delivery mechanism are standard equipment, enabling transport of contents weighing up to 1.5 kg



Two standard controllers and ACSL's Remote ID module are standard equipment



Intuitive operation with the dedicated "TAKEOFF" application

CORE SET

Specialized for logistics applications with LTE communication as standard

PF2-AE Delivery is equipped with LTE communication as standard equipment, which enables out-of-sight flight because video and telemetry transmission using LTE communication can ensure communication even in areas with poor visibility.

Intuitive operation with the dedicated "TAKEOFF" application.

Two standard controllers and ACSL's Remote ID module are standard equipment.

SPECIFICATION OF PF2-AE

Structure

Overall length (propeller range)	1,173 mm
Height (to top of cover)	526 mm
Weight (including 2 batteries)	8.3 kg

Flight Control System

Motor	Brushless DC motors (Shinano Kenshi Co., Ltd.)
Propeller	XOAR 15 inch
ESC	Toshiba TPMD0001A

Flight Control System

Autopilot	ACSL AP3
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Performance

Flight speed (in fully autonomous flight)	Horizontal: 10m/s
	Ascending: 3m/s
	Descending: 2 m/s
Maximum airspeed	20 m/s
Maximum payload	1.5 kg
Maximum flight time	18 min (at 1.5 kg payload)

Battery

Capacity	12,000 mAh x 2
Nominal Voltage	22.2V
Type	LiPo 6S

Standard equipment

- Logistics Organization + Shipping Box (Large)
- Marker Landing Function
- Two standard transmitters (without smartphone)
- LTE communications* (video & telemetry)
- Specialized TAKEOFF application
- Remote ID module

*For over-the-air use of LTE, a contract with NTT DOCOMO, Inc. is required.

*Product specifications are subject to change without notice.

Inquiry

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