

# PF2-AE

ACSL

Disaster Relief / Patrol



## SOLUTION

**A disaster relief and security drone made more advanced through adoption of secure technology from Soten.**

The PF2-AE Disaster Relief/Patrol is equipped with LTE communications to ensure communications even in situations where out-of-sight flights are expected, such as during disasters and facility security. 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.



Four types of cameras can be selected with the use of a common gimbal.



One standard controller and ACSL's Remote ID module are standard equipment.



Intuitive operation with the dedicated "TAKEOFF" application

## CORE SET

### Capable of out-of-sight flights via LTE communication

The PF2-AE Disaster Relief / Patrol is capable of LTE communications and can fly out of sight in disaster and security applications. In addition, the same gimbal can be used to replace four different cameras, allowing customers to easily change the gimbal to suit their needs.

The ground control system is compatible with TAKEOFF, a dedicated application, allowing for more intuitive operation.

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)	8.9 kg(with DSC-QX30U installed)

### 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 flight time	22 minutes (with DSC-QX30U installed)

### Battery

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

### Camera

Select from the following 4 types

- SONY "α7R IV" (full size camera)
- FLIR "Duo Pro R" (visible + infrared camera)
- SONY "UMC-R10C" (APS-C sensor)
- SONY "DSC-QX30U" (30x zoom camera)

### Standard equipment

- One standard transmitters (without smartphone)
- Specialized TAKEOFF application
- Remote ID module
- LTE communication (optional)\*

※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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