

Variable rate application compatible

Japan
Made

Auto
pilot

Nile-JZ Plus



Precision Agriculture from the sky

 Nileworks



HARDWARE

“Effortless pest control anytime, anywhere with drones made in Japan”



High Accuracy Autopilot

Accurate flight with location info calculated by RTK-GNSS and multiple sensors. Automated battery level detection and obstacle avoidance.



Easy Battery Replacement

Batteries can be quickly installed and removed. Charger is compact in size and space-saving.



Spraying and Spreading

Liquid and granule tanks can be easily replaced. Drone is washable with water.



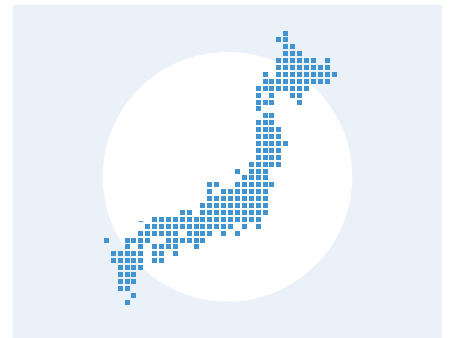
Compact Size

Foldable and hand carryable size. Easy to move and space-saving.



Safe and Secure

Real-time flight monitoring via LTE network. Precise customer support provided based on drone condition, flight path, battery and tank level, communication status.



Made in Japan

Specialized for agriculture. Drone hardware designed by “Japan High Spec Drone Consortium” with Nileworks proprietary autopilot technology integrated.

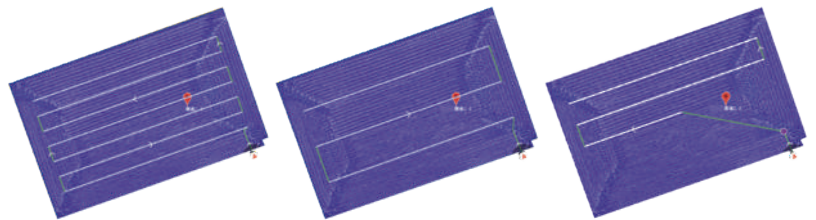
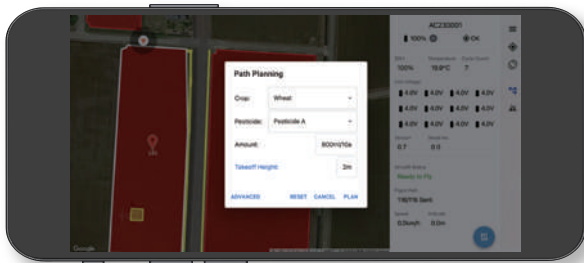


SOFTWARE

“Design the ideal spraying route”

Auto-generate the flight path

Flight path is automatically generated based on the user requirements like altitude, spraying width and flow rate.



Work efficiency - optimized by 20%
Compared with previous model

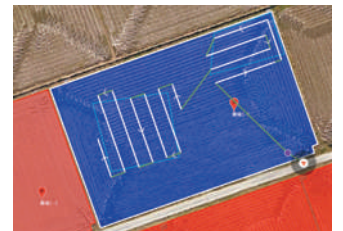
On-line update

On-line software update enabled - new function / improvement applied.

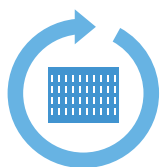


Variable rate application

Spraying the required amount on the required area - based on the satellite / drone analysis data



How to use



Surveying field and obstacles



Drone preparation



Auto-generate the path and autopilot

Nile-JZ

Product details



Product Specifications

		Nile-JZ Plus	Nile-JZ
Aircraft	Variable Rate Application	Included	Not Included
	Color	Black×White×Blue	Black×White
	Aircraft Weight	12kg ※Battery and tank not included	
	Maximum Weight	27kg	
	Rotor Quantity	6	
	Length×Width×Height (arms opened)	1,916mm×2,110mm×727mm ※Tank included	
	Length×Width×Height (arms folded)	716mm×626mm×727mm ※Tank included	
	Frame	Box-frame structure	
	Arm Storage	Foldable	
	Protection Level (Dust and Water Resistance)	Equivalent to IP55 ※With battery terminal cap installed	
Maximum Flight Time	15min ※Please pay attention to the remaining battery charge. It varies depending on the environment such as temperature and the condition of the battery.		
Propellers	Propeller Diameter	27inch	
	Propeller Type	CF Reinforced Resin (Foldable)	
Battery	Capacity	799Wh	
	Voltage	44.4V	
	Length×Width×Height	149mm×255mm×243mm	
Charger	Charging Method	Fast Charging (4slots)	
	Output	100V 1200W / 200V 2400W	
	Length×Width×Height	350mm×250mm×155mm	
Spraying System	Spraying Capacity	8ℓ	
	Sprinkler Type	2Nozzles	
	Spray Width	4.5m~	
	Spray Speed	~20km/h	
	Spray Amount	800ml~/10a Can be tuned	
Spreading System	Spread Tank Volume	10ℓ	
	Spreader Type	Impeller	
	Spread Width	5m~	
	Spread Speed	~20km/h	
	Spread Amount	Can be tuned	
Communication /Positioning	Communication Method	LTE / 2.4GHz	
	Positioning Method	Network RTK	

Images



Nileworks Inc.



<https://www.nileworks.co.jp/en>

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