

SRIZFLY SESP-U1 Drone Simulator

Standard Version

Product Technical Datasheet

This Technical Datasheet (TDS) is designated to define the SRIZFLY SESP-U1 Drone Simulator (the Product) developed by the **Supplier**, Wuhan Sriz Technology Co., Ltd.

This TDS is for reference only, and latest version, technical parameters, and other details related to the simulator should be confirmed with the Supplier prior to the purchase of the simulator.

1) Product information:

1.1 Name: SRIZFLY SESP-U1 Drone Simulator

1.2 Short name: SESP-U1

1.3 SKU: 010SRZSESPU1

1.4 Version: Standard version

1.5 Licensing method: Anchored, off-line licensing. (Other licensing options are available upon request).

2) Product set:

The Product includes:

A) One (1) Simulator software.

The version of the software is to be confirmed with the Supplier prior to purchase of the Product.

B) One (1) perpetual license for 1 computer.

C) One (1) remote controller.

The model of the remote controller is to be confirmed with the Supplier prior to purchase of the Product.

D) One (1) Year of warranty.

The warranty includes technical support, upgrades and maintenance of the software.

3) Product content:

Main Interface	Modules	
Basic Skills	Basic Training	Full Channel

		Square Route	
		Circle Route	
		Infinite Loop Route	
		Basic Assesment	
	Drone Assembly	Assembly	Disassembly
		M300, M600, Phantom 4, M30T, T30, Mavic 3	
Custom Map	Free arrangement of custom training grounds		
Entertainment	Free Flight	Seaside	
		Forest	
		Mountain Region	
		Shopping Mall	
		Residential Area	
		Earthquake Rescue	
Industrial Inspection	Electric Tower Inspection	Training Mode	Assesment Mode
		220kV Linear Tower	
		220kV Tension Tower	
		500kV Linear Tower	
		500kV Tension Tower	
		Rural Distribution Network	
	Aerial Mapping	Training Mode	Assesment Mode
		School, Town, Earthqake Rescue, Mountain Region	
		Site Survey, Layout and Measurement, Route Planning	
	Agricultural Plant Protection	Training Mode	Assesment Mode
		Wheat, Corn, Rice, Tree	
		Pre-flight, Manual flight, Point A-B flight	
	Fire Fighting and SAR	Training Mode	Assesment Mode
		Reconnaissance Flight	
		Precision Throw	

		Reconnaissance delivery	
		Aerial Modeling	
		Wildfire inspection and fighting	
		Highrise building fire inspection and fighting	
		Personnel search	
		Field Rescue	
		Water rescue	
		Earthquake rescue	
Settings	General Settings	Language	Chinese/English/Korean/Japanese
		Image	Low/Medium/High/Cinematic
		Shadow	Low/Medium/High/Cinematic
		Anti Aliasing	Low/Medium/High/Cinematic
		Post Processing	Low/Medium/High/Cinematic
		Range Visibility	Low/Medium/High/Cinematic
		Texture	Low/Medium/High/Cinematic
		Special Effects	Low/Medium/High/Cinematic
		Ambient Vol.	0-100
		Special Effects Vol.	0-100
		Background Vol.	0-100
	Vsync		
	Remote Control Settings	Control Hand Type	US/China/Japan
		Callibration	
	PID Setting	Remote controller sensitivity settings 80%~120%	
Mode Settings	Normal Mode / VR Mode		
Operational Assistance	Remote controller and keyboard operation keys tips		
Exit			

4) Main features

SESP-U1 simulator is designed for basic training of consumer pilots and enterprise application training of professional UAV operators. The SESP-U1 Simulator is the only simulator listed with DJI Enterprise Ecosystem Solutions catalogue and supports DJI Enterprise grade drones, including M30T, Mavic 3 Enterprise, M210, T30, M600, M300, Phantom 4, Mavic 2.

SESP-U1 Simulator has a basic training module, including Basic Flight, Custom Map, and Drone Assembly/Disassembly. Provides realistic representation of weather conditions, different daytime, and we can include night flight options.

Developed with an AirSim motor for accurate representation and flight physics of the UAV operation.

Supports multiple points of view, such as Pilot view, RC view, UAV view, Follow the UAV view

Compatible with various remote controllers like DJI Phantom 4 RTK (Without mounted screen), DJI RC N1, FlySky FS-I6S, FlySky FS-ST8, Spektrum Interlink, Futaba T14SG.

The simulator is flexible and available for introduction of various customization, such as new industrial application workflow, features, options, drone models (including models developed by the end user).

Technical requirements for PC to run the SESP-U1 Drone Simulator:

name	minimum	recommend	optimum
CPU	i5-7700	i5-10400	i7-12700
GPU	GTX 1650 Ti	GTX 2060	GTX 3060
VRAM	8GB	16GB	16GB
RAM	16GB	32GB	32GB
HDD	80GB Free	SSD+80GB Free	SSD+80GB Free

5) Contacts

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