

RflySim version division

Version code	Version	Release Notes	Pricing range
RV=0	Free version RflySimAdv3Free	<p>CopterSim:</p> <ol style="list-style-type: none"> 1. The Go Online button is not supported. Messages cannot be sent to the LAN. It can only be simulated by a single computer, and does not support distributed multi-computer networking to form large-scale cluster simulation. 2. A single computer supports up to 8 aircraft (hardware and software in-loop simulation of 8 aircraft) 3. Support visual board in the loop simulation for 1 aircraft. Note: When the CopterID of CopterSim is 1, the LAN communication mode can be enabled to support virtual machine or NX board to realize visual hardware-in-the-loop simulation. When CopterID is greater than 1, the online button cannot be checked. 4. Only 8 control channels are supported, up to 8 rotors. (Full version supports 16 channels) 5. Advanced simulation modes such as HITL _ NET are not supported, and it is impossible to connect to a Pixhawk (e.g., 6x) with a network port in the LAN or a third-party flight control for hardware-in-the-loop simulation 6. Redis communication protocol (for large-scale distributed cluster simulation) is not supported <p>DLLModel interface:</p> <ol style="list-style-type: none"> 1. The inCtrlExt series interface is not supported. It is used to transmit various information (for control, special effects, damage, etc.) 2. The inFromUE interface is not supported, and data cannot be obtained from the UE blueprint (to achieve better scene response) 3. The InitParamAPI interface is not supported, and the aircraft parameters cannot be dynamically modified. 4. With DLL dynamic models of helicopter, vertical aircraft, underwater vehicle, etc., it can carry out software and hardware in-loop simulation at the task level, but it does not provide model source code 5. The integrated model can be used (the controller and the model are in a DLL, and the upper layer control can be carried out), but the source code is not provided. 	Free

<p>UE Scenes:</p> <ol style="list-style-type: none"> 1. Vision only supports 3-way RGB, grayscale or depth images, supports laser point cloud, segmentation map, etc., and does not support infrared, etc. 2. Vision sensor only supports binding on aircraft 1 3. RflySim3D with UE4.27 only, RflySimUE5 with UE5.3 not supported 4. RflySim3D only supports receiving local data and does not support LAN data (virtual and real simulation or multi-machine online simulation are not available) 5. Cesium global large scene simulation is not supported (the installation package does not contain scene files, and does not support the modification of latitude, longitude and altitude coordinates) 6. Only up to 20 vehicle (including dynamic obstacles) entities can be created <p>Compiler and system version support</p> <ol style="list-style-type: none"> 1. The Cygwin compiler is not supported, only Win10/Win11 operating systems are supported (Win7 is not supported) 2. Only firmware up to 1.13.3 is supported, firmware 1.14 is not supported <p>Routine library:</p> <ol style="list-style-type: none"> 1. Only interface routines, basic routines, and advanced routines are provided. Custom routines are not supported <p>Other</p> <ol style="list-style-type: none"> 1. CopterSim and RflySim3D do not support Logo customization

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Other fee-based expansion packages	RflySim Platform for Linux (using USBKey encryption mode)	The unit price is subject to the eShop price.
	Customization of various 3D scenes and blueprint models	The unit price is subject to the eShop price.
	Simulink source code for large-scale customized models, such as helicopters, vertical take-off and landing, unmanned vehicles, missiles, etc.	The unit price is subject to the eShop price.
	Other complex visual control routines: SLAM, race solutions, etc.	The unit price is subject to the eShop price.

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RV=6	Full version RflySimAdv3Full	<p>1. Support the unsupported contents described above. RflySim3D supports receiving LAN data (off by default, selectively on), supports generating infrared images, and CopterSim supports online mode (UDP mode, small-scale distributed simulation).</p> <p>2. Redis communication protocol is not supported, and RflySimCloud large-scale cluster framework (for large-scale distributed cluster simulation) is not supported.</p> <p>3. Does not support LOGO replacement or masking (for enterprise customization)</p> <p>4. With UDP-based distributed visual cluster simulation routines, digital twin routines, etc.</p>	<p>Price \$10000</p> <p>All routines package with advanced version + distributed cluster control routines + distributed multi-machine vision routines (UDP mode)</p> <p>See the 3. CustExps directory in each folder for the full version of the specific</p>
RV=8	Enterprise customized version RflySimAdv3Pro	<p>Add to the full version:</p> <p>2. CopterSim and RflySim3D support hidden or custom LOGO</p> <p>1. Large-scale cluster simulation supporting multi-computer distributed networking architecture</p> <p>2. Support Redis communication protocol (for large-scale distributed cluster simulation).</p> <p>3. Large advanced routines with customization. (Helicopter, tilt-rotor, multi-aircraft cluster experiment, etc.)</p> <p>4. Support Windows high-performance computers or Linux servers for deployment (RflySimCloud cloud platform).</p> <p>5. Ultra-high real-time hardware-in-the-loop simulation platform based on FPGA (supporting flight control such as Ardupilot)</p>	<p>Customized price on demand (For details, see: RflySimAPIs\11.Large Scale)</p>
<p>Note: The free version will also start classes in the future. The Changsha department of our company will start classes according to the general courses applicable to the free platform first, then the professional courses applicable to the charging platform, and then the offline flight courses.</p> <p>For example, the visual training course is divided into three stages: two nights for the basic course (applicable to the use of the platform) + two nights for the advanced course (applicable to the paid version of the routine package) + two days for the offline course (related to the real machine experiment)</p>			

Note: Only single computer binding activation, serial number binding motherboard ID, system upgrade and replacement of hard disk graphics card are supported, but motherboard replacement is not supported.

Note: The activation code serial number only supports the use of a single computer, please keep it properly.

Note: Name, mobile phone number, email address, hardware ID, and screenshot of system information (mainly processor and device ID) are required for purchase. This information will be provided for after-sales service in the future (such as software installation failure).

Note: Before purchasing, please install the free version of RflySim and confirm that the platform meets the installation conditions.