Features:
Designed especially for FPV (First Person View) camera flight!
This is a true FPV plane that's easy to build and comes packed with common sense FPV must-haves such as rear mounted servos for the elevator and rudder to help counter balance the additional radio gear, rear servos can also be moved up and down the tail to adjust CG. The narrow fuselage helps glide rates for longer flight times and yet it still has a large area for and aft of the CG to move the battery for better balancing when using heavy camera/Tx gear.
Rear mounted 10inch pusher motor-mount keeps motor and esc away from the camera to reduce noise.
EPP foam makes the plane very resistant to crashes and rough landings.
The EPP-FPV glider has a 1.8m wingspan for higher, longer flight times with a wide range of camera equipment.
The HobbyKing EPP-FPV has 4 channels (Ail, Rud, Elev, Thr) for agile performance and is reinforced with 2 CF spars on the main wing, a CF tail boom and CF elevator spar plus the ailerons have flat CF rods for stiffness during fast turns or dives.
The HobbyKing EPP-FPV can take any number of batteries however we recommend a 2200-3500mAh 2S pack for long flight times and good CG balance.

Spec:
- Fuselage length: 1320mm
- WingSpan: 1800mm
- ARF Weight: 900-1200g

Required:
- Motor: 2217 1400KV or 2614 1000KV Brushless outrunner
- Propeller: 10x6 slow flyer
- Battery: 11.1V 3S 1500-2200mah 20C
- Servo: 4 x 9g
- ESC: 40A
- Your own TX & RX
Do not fly under the conditions below
Wind strong enough to make the trees rustle
A street with many trees or street lamps
Close to high voltage electrical wires
High Population density areas

Cautions for flying
Front lawns and parks make excellent flying areas. Make sure you have permission to fly and follow safety guidelines set by local authorities. The calmer the wind, the better!

Recommended Flying Setup
Max servo travel of aileron: 25 degrees up and 25 degrees down (30mm)
Max servo travel of elevator: 20 degrees up and 20 degrees down (20mm)
Max servo travel of rudder: 20 degrees left and 20 degrees right (20mm)

CG Position:
100-120mm from the leading edge of the wing.

Body parts included in the packing

1. Fuselage 1pcs
2. Canopy 1pcs
3. Wing with aileron (right and left) 2pcs
4. Elevator (stabilizer) 1pcs
5. Vertical fin 1pcs
<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizontal tail mounting rack</td>
<td>1 set</td>
</tr>
<tr>
<td>Control rod guide pins</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Servo mount</td>
<td>2 sets</td>
</tr>
<tr>
<td>Aileron servo mount</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Pushrod connector</td>
<td>4 pcs</td>
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<tr>
<td>Pushrod connector mental adjuster</td>
<td></td>
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<tr>
<td>Control arm</td>
<td>4 pcs</td>
</tr>
<tr>
<td>Wing bolt</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Wings diameter</td>
<td>6mm*200mm(L)</td>
</tr>
<tr>
<td>Rubber band</td>
<td>8 pcs</td>
</tr>
<tr>
<td>Rubber band bolt</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Plastic tube</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Z wire (direction and lifting)</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Z wire (aileron)</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Tail tube of the fuselage</td>
<td>1 pc</td>
</tr>
<tr>
<td>Tail tube of the fuselage diameter</td>
<td>16mm*800mm(L)</td>
</tr>
<tr>
<td>Carbon strip</td>
<td>2 pcs</td>
</tr>
<tr>
<td>Carbon strip 1<em>4</em>280mm</td>
<td></td>
</tr>
<tr>
<td>Carbon strip 1<em>4</em>160mm</td>
<td></td>
</tr>
<tr>
<td>Abs board</td>
<td>2 pcs</td>
</tr>
</tbody>
</table>

The items below are required for assembly

![Image of tools](image-url)
1. Splice rubber band bolt 2pcs diameter 5mm * 130mm (L)

2. Splice tail tube of the fuselage 1pc diameter 16mm * 800mm (L)

3. Splice two sets servo mounts.

Attention: do not bond too solid of the servo mount and the tail tube so that the servo mount can move freely on the tail tube, and adjust the plane’s key point.

4. Install the control rod guide pins 2pcs

5. Stick carbon plate of the servo surface.
8. Install the servo on aileron.

6. Stick the horizontal tail mounting rack 1 set

7. Bond the vertical fin.

9. As you see in the picture, please embed the servo wire and extension line inside the foam.
10. Splice the horn.

11. Stick the horn inside the aileron’s slot.

12. Install pushrod connector.

13. Install Z wire (aileron) diameter 1.2mm * 160mm (L)

14. Cut the spare steel wire.

15. Install the left and right ailerons by the same way.

16. Splice Abs board to left and right wings. 2pcs
17. Diameter 6mm*200mm(L)
Connected two wings by wing bolt.

18. Stick the rudder horn.

19. Install plastic tube  2pcs

20. Diameter 1.2mm*680mm(L)
Install Z wire (direction and lifting).


22. Install horizontal tail's horn on Z wire.

23. Stick the horn.

24. Install elevator servo and Z wire.

25. The horizontal tail and direction’s servo mount can move freely, so that it has the function to adjust the plane’s key point.
26. By the same way you embed the aileron servo's extension wire. Please embed horizontal tail and vertical tail's servo extension wire inside the fuselage.

27. Pass the servo extension wire through fuselage to fuselage's equipment bay.

28. Install the motor.

29. Install the propeller.

30. Install esc.

31. Install the receiver.

32. Fix the wings by rubber band.

33. Install the battery. Attention: please adjust the plane's key point position.

34. Please refer to the above pictures if you want to install FPV.

Centre of gravity
Support your model with your fingertips. It should balance slightly nose down, when your finger tips are 45-55mm behind the leading edge of the wing. Move the battery to balance fpv-epp. Do not try to fly an out-of-balanced model, as it will crash!

Flying
Check each control surface for the correct movement and adjust pushrods. Checking running of the motor. For taking off you need a flying field about 500m long without trees around. Hold your model on the hand, put "full gas". Throw the model in the air little bit nose up. Move elevator a little bit up and warbird will be in the air.