

# Eagle 7

## Specification



### Technical

Dimensions when operating, mm	1740x1600x500
Dimensions when folded, mm	620x560x500
No Payload weight, kg	13,5
Full payload weight, kg	20,5
Hovering accuracy (optimal GNSS signal)	±2.0 m (horizontal)
No payload flight time	35 minutes
Full payload flight time (7kg)	17 minutes
Maximum transmission range	
(no static, no obstacle)	5 km
Maximum wind resistance	3 m/s
Operation temperature	0° + 40° C

### Handheld Controller

Screen	5.5-inch LCD Touchscreen
OS	Android 9.0 OS / 2GB
RAM / 16 GB ROM	
Operation duration	13 hrs
Dimension when folded	189x138x41 mm
Weight	850 g
Water resistance level	IP53
Operatable temperature	-10° + 50° C
Operating frequency	5.745 + 5.825 GHz
Maximum transmission range	
(no static, no obstacle)	15 km

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## **Usage**

Unmanned aerial vehicle carry firepower to equip infantry for air assaults, used to destroy manpower targets and armored vehicles fixed on the ground. at combat altitudes 100 to 500 m.

### **Camera**

Zoom	36X
HD resolution	1280x720
Frame rate, fps	30
Video format	MP4

### **Controller**

Operating frequency, Ghz	2,4
Maximum transmission range, km	15
Screen size	5.5 inch
Screen resolution	1920x1080
Memory	16GB
Connection	Wi-Fi, Bluetooth 5.1

### **Target Recognition System**

Maximum target recognition distance, mm	400
Target type	People, cars
Maximum tracking speed, km/h	70

### **GIMBAL**

Orientation angle, degrees	±290
Radial angle, degrees	-100 ~ +45
Angular error, degrees	±0.02

### **Combat Module**

#### **Thermobaric explosive head dropping module**

- Weight, not greater than, kg	0.5
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- Number of integrated explosive heads	1	
- Control accuracy of dropping the explosive head on a fixed target (at an altitude of 100-500m), not greater than, m		10
<b>Anti-personnel explosive head dropping module</b>		
- Weight, not greater than, kg	0.5	
- Number of integrated explosive heads	1	
- Control accuracy of dropping the explosive head on a fixed target (at an altitude of 100-500m), not greater than, m		10
<b>Concave piercing explosive head dropping module</b>		
- Weight, not greater than, kg	1	
- Number of integrated explosive heads	1	
- Control accuracy of dropping the explosive head on a fixed target (at an altitude of 100-500m), not greater than, m		10