

## Dron Happymodel Mobula 8 Digital HD ELRS



Cena brutto	<b>559,99 zł</b>
Cena netto	<b>455,28 zł</b>
Dostępność	<b>Aktualnie niedostępny</b>
Czas wysyłki	<b>1 - 3 dni</b>
Producent	<b>HappyModel</b>

### Opis produktu

#### Dron Happymodel Mobula 8 Digital HD ELRS

Mobula8 w wersji cyfrowej to jeden z najmniejszych modeli dronów FPV z obrazem cyfrowym. Mobula8 to rewelacyjny dron będący zwieńczeniem całej serii modeli Mobula powstałych na przestrzeni kilku lat. Dzięki temu Mobula8 HD to niezwykle wytrzymała konstrukcja o świetnych właściwościach lotnych. Mimo niepozornego wyglądu posiada zaawansowaną elektronikę o wręcz niesamowitych jak na swój rozmiar osiągnięciach. Mobula8 HD to model whoopa z kilkoma nadajnikami VTX do wyboru. Każdy model posiada wbudowany odbiornik ELRS.

#### Spare parts specifications:

##### Motor

Mode: EX1103 KV11000  
 Configu-ration:9N12P  
 Stator Diamter:11mm  
 Stator Length:3mm  
 Shaft Diameter:Φ1.5mm  
 Motor Dimension(Dia.\*Len):Φ13.5mm\*15.5mm

##### Propellers

Weight(g):3.8g  
 No.of Cells(Lipo):1-2S  
 Weight:0.88g  
 Material: PC  
 Pitch:2.3inch  
 Props Dia:52.17mm  
 Center Thickness:5mm  
 Center Hole Dia:1.5mm

##### Flight controller

MCU: STM32F405RGT6 (168MHZ, 1Mbyte FLASH)  
 GYRO Sensor: BMI270 (SPI connection)  
 Mount hole size: 25.5mm\*25.5mm  
 Power supply: 1-2S battery input (DC 2.9V-8.7V)  
 Built-in 12A(each) Blheli\_S 4in1 ESC  
 Built-in Serial ExpressLRS 2.4G  
 Built-in BMP280 Barometer  
 Built-in 8MBp blackbox

##### Onboard 4in1 ESC

Built-in voltage meter sensor , voltage meter scale 110  
 Built-in current meter sensor , current meter scale 470  
 Power supply: 1-2S LiPo/LiPo HV  
 Current: 12A continuous peak 15A (3 seconds)  
 Support BLHeli\_S Bluejay firmware  
 Factory firmware: Bluejay ESC V0.19  
 Firmware target: Z-H-30

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**Onboard UART  
ExpressLRS 2.4GHz  
Receiver**

Default protocol: DSHOT300  
When use 1s battery and high KV 0702/0802 motors, should set startup power  
1100/1200

Packet Rate option: 25Hz/50Hz/150Hz/250Hz/500Hz  
RF Frequency: 2.4GHz

Antenna: enameled copper wire 31mm length  
Telemetry output Power: <12dBm

Default firmware version: ExpressLRS V3.0.1

Firmware target: HappyModel EP 2400 RX

Could update firmware via ExpressLRS configurator

**DJI O3 Air Unit**

Works with DJI FPV Goggles V2, DJI Goggles 2, and DJI FPV Remote Controller

D-Cinelike mode for Vivid Colors

Flagship O3+ Video Streaming

Customizable Canvas Mode

155° Super-Wide FOV

1/1.7-Inch Sensor

Compact in Size

**Walksnail version**

Camera

Model Avatar lite camera

Image Sensor 1/2.7"1inch

Resolution 1080P/60fps,720P/120fps,720P/60fps

Ratio 16/9 4/3

Lens 2.1mm

FOV 170°

Aperture F2.0

Shutter Rolling Rolling shutter

Min.Illumination 0.001Lux

Weight 1.8g

Dimensions 14\*14\*16mm

VTX

Model Avatar mini 1s module

Communication Frequency 5.725-5.850GHz

Transmitter Power (EIRP) FCC:<25.5dBm;CE:<14dBm;SRRC:<20dBm;  
MIC:<25dBm

I/O Interface JST1.0\*6(Power in)JST0.8\*4(USB)

Mounting Holes 25.5\*25.5mm

Dimensions 30\*30\*6.5mm

Storage 8G

Recording 1080p/720p

Weight 5.1g

Operating Temperature -20-40°C

Channels 8

Wide Power Input 3.1V-5V

Supported FC System Betaflight

OSD Canvas mode

Bitrate 25Mbps 50Mbps

Latency Average delay 22ms

Antenna IPEX

**HDZERO Version**

HDZero Nano Lite Camera

14x16x11 mm

1.5gram

0.5 inch, up to 10650 mV/Lux-sec ultra-high sensitive CMOS sensor

Excellent low light performance

Fov:

4:3: D:130° H:108° v:84°

16:9:D:122° H:108° V:65°

HDZero Whoop Lite VTX

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1-3S Input  
25mW/200mW RF Output-SmartAudio Support  
25.5×25.5 M2 Soft Mounting- Antenna Retention  
Removable Shielding Box- 32.5×32.5mm(29×29mm inner)  
4.5grams/4mm Thickness (without shielding)

Produkt posiada dodatkowe opcje:

**System wizji:** HDzero , O3+ , PNP , Walksnail Avatar HD