

Thank you for choosing EV800DM 5.8GHz FPV VR Goggles

## Features:

- Built-in with super HD DVR up to 720\*576px resolution
- Diversity RaceBand 40ch Auto-Searching
- Two system (Display/Record duo core separated chipsets ) ensure no delay in displaying and no frame lost in recording(please use C10 super speed card to ensure the full frame recording)
- Work friendly with pilot-OSD, no block on the important flying OSD information;
- Focal length adjustable design;
- HD high brightness 3 inch LCD specially tuned for FPV racing:
- Diversity function, Built-in super sensitive 5.8GHz 40ch receiver module, with RaceBand;
- Advanced auto-searching function and the working frequency show on screen;
- Built-in 3.8V 2000mAh battery, each full charge offer 2.2 hours working time;
- Wide range re-charge voltage 5-18V;
- Accept 2S or 3S batteries as back-up power source, to prolong the working time
- Nice ergonomic design and fit different faces:
- Super-wide visible angle up to 82 degree:
- 92% transparent lens adopted, no distort, no blur on the edge of screen;
- Light weight 320g with 2.2 hr 2000mAh battery, RTF for any scale racing game;
- 3 inch 900\*600px HD high brightness LCD

## Description :

### Varifocal

20mm focal length adjustable;  
Multi stop points design for vertical individual user adjust;  
For more users with different eyesight

### Glasses Fit

Fit for wear with glasses:  
Glasses Fit Size: 140mm\*40mm:  
Focal length need to be reset when wear glasses

### Appearance

Dimension:150\*170\*80mm  
Weight:320g without antenna  
Belt; three-way adjustable belt

### Specification

Build in DVR  
Record up to 720\*576px full frame rate video, no frame lost (C10 card required)  
Re play in MENU  
Require c10 card to record full frame rate

### Diversity

-90dB Super sensitiveness in 2pcs RX5808 PRO modules  
Great performance when two types (Linear and Omni) antennas are used

## Display

Screen size: 3.0 inch  
Screen resolution: 900\*600(No blur after enlarge by the lens)  
Screen brightness: 600cd/m2 with special high brightness backlight LED for outdoor FPV  
Ratio :4:3  
View Angle: 140/120 degree(Horizontal/Vertical)

## Lens

3x boost of the video to acquire intense feel-in-there video;  
92% transparent rate distort if light;

## Battery

Built-in 3.8V/2000mAh battery;  
Each battery circle offer around 2.2hr working time;  
5-18V wide range recharging voltage range, typical recharging with 5V/2A  
Charger : 5V, 2A, DC 2.5mm  
2S (7.4 V)13S(11.1V) battery as back-up power to have long working time

## Frequencies(5.8GHz, with RaceBand)

FR \ CH	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
Fr1 or(A)	5865	5845	5825	5805	5785	5765	5745	5725
Fr2 or(B)	5733	5752	5771	5790	5809	5828	5847	5866
Fr3 or(E)	5705	5685	5665	5645	5885	5905	5925	5945
Fr4 or(F)	5740	5760	5780	5800	5820	5840	5860	5880
Fr5 or(R)	5658	5695	5732	5769	5806	5843	5880	5917

## Design

### VARIFOCAL



### GLASSES FIT



## Optional parts( purchase separately )

- Optical lens



- Charging cable ( 3S -DC2.5 )
- Charging cable ( JST -DC2.5 )

## Buttons and ports



### 1) CH+/Band +

Short press this button select CH 1-8 cycles

Long press this button select BAND A,B,E,F and R cycles

### 2) POWER and RETURN

Long press to boot/shut down.

Short press during working as return

### 3) SRC/MENU

Short press to select from video sources V-in/RF A/RF B/Diversity

Long press to call out MENU

### 4) SEARCH

Press to automatically search for the signals;

### 5) CHARGING PORT

DC 5-18V wide range recharging port / power backup port, typically @ 5V/2A ;

### 6) RESET

Reset hole. Shut down device when necessary;

### 7) TF CARD SLOT

Support up to 32G, typical @ C10:

### 8) VIDEO IN / AUDIO OUT PORT

Video input @ AV in mode: Audio output @ RF mode:

### 9) Pic/Rec

Short press to take a screen shoot and save picture.

Long Press to start recording a video ,then a short press to save video.

In MENU operations, press ③ to shift down to select settings; press ④ as + settings; press ① as - settings.

Charging indicatorLED ; charging-red;full charged-green.



## 5.8G FPV VR GOGGLES/DVR/MINI

Varifocal • Glasses Fit • Replay

Diversity RaceBand 40ch Auto-Searching with

Mini 3 Inch 900\*600px HD LCD

Built-in 3.8V/2000mAh Battery



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# EV800DM