FPV MONITOR

User Manual

Important Safety Instructions:

- Please read User Guide before using this product.
- Please keep User Guide for future reference.
- Please read the cautions to prevent possible danger and loss of property.

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FEATURES

- High resolution: 1280×800;
- High brightness: 400cd/㎡;
- High contrast: 800:1;
- Dual 5.8GHz receivers for optional;
- Channel auto searching;
- Auto antenna switching to get best signal;
- Multiple Picture-in-Picture (PIP) modes;
- 4-hour timer & alert indicator.

CAUTIONS

- Please do not place the display screen towards the ground.
- Please avoid heavy impact or drop onto the ground.
- Please do NOT use chemical solutions to clean this product. Please wipe with a clean soft cloth to maintain the brightness of the surface.
- Please do not block any vent hole and antenna port.
- Please follow the instructions and trouble-shootings to adjust the product. Other improper adjustment may result in damage. Any further adjustment must be performed or conducted by a qualified technician.
- Please unplug the power and remove the battery if long-term no-use, or thunder weather.

INITIAL SETUP

❖ Unpacking

Carefully unpack the monitor and verify that the following items are included:

- **Monitor**
- **Sun shade**
- **AV input cable**
- **AV output cable**
- **12V DC adapter**
- **5.8G receive antenna**
- **2600mAh built-in battery**
- **Manual**

Inspect the unit for any physical damage that may have occurred during shipping. Should there be any damage, please immediately contact us.

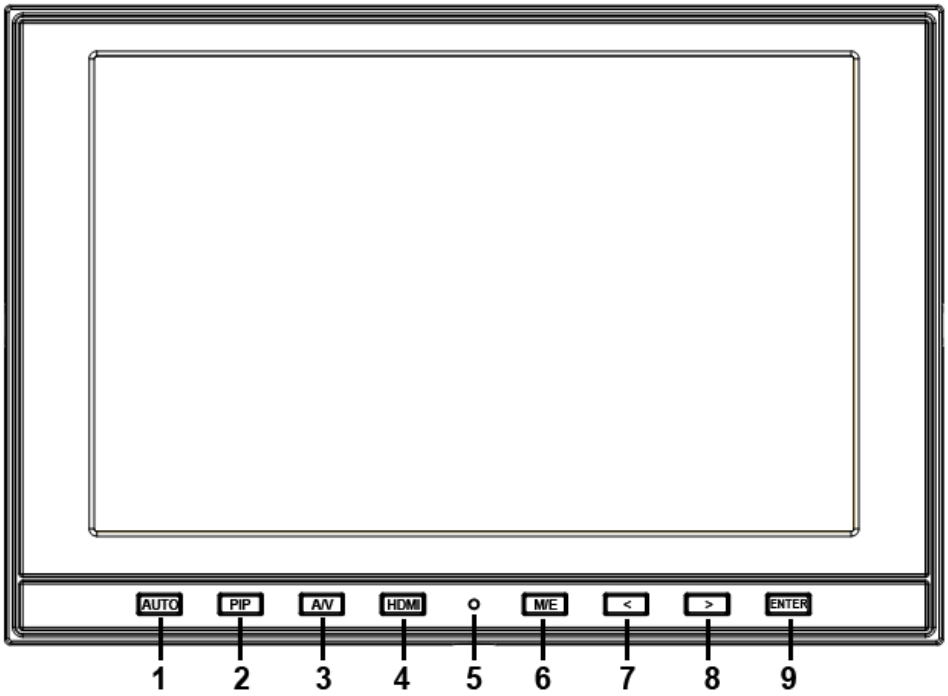
❖ Optional Accessories

Additional accessory options for extra requirements. (**Available at additional cost)**

- **VESA battery plate + Battery plate**
- **HDMI cable**
- **5.8GHz omnidirectional antenna**
- **FPV double-rod bracket**
- **FPV single-rod bracket**
- **Shoe mount**

Tips: Recommend using our company's original accessories to prevent device from damage.

PRODUCT DESCRIPTION



1. AUTO: channel auto searching
2. PIP: picture-in-picture mode.
3. A/V: video& 5.8G switch.
4. HDMI: switch to HDMI state.
5. Battery indicator

   Status 1: the indicator light turns to fully red when battery charging.

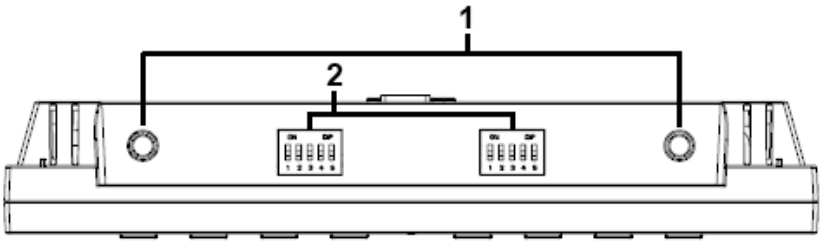
   Status 2: the indicator light turns to half red when powered with DC power, but not with battery.

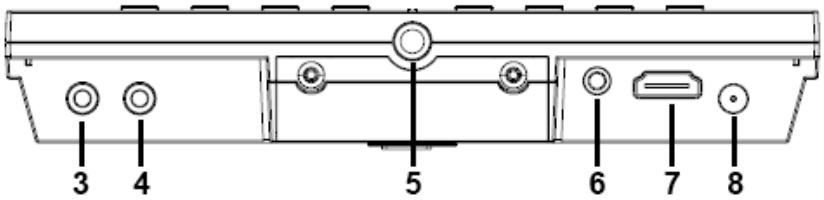
   Status 3: the indicator light turns to off when charge completely or use only with battery.
6. M/E: to activate OSD (on-screen display) menu.

   Select switch the brightness, contrast, saturation, Tint, sharpness, volume, MENU and Exit.
7. < Left selection key, to select items on OSD menu and value option adjustment:

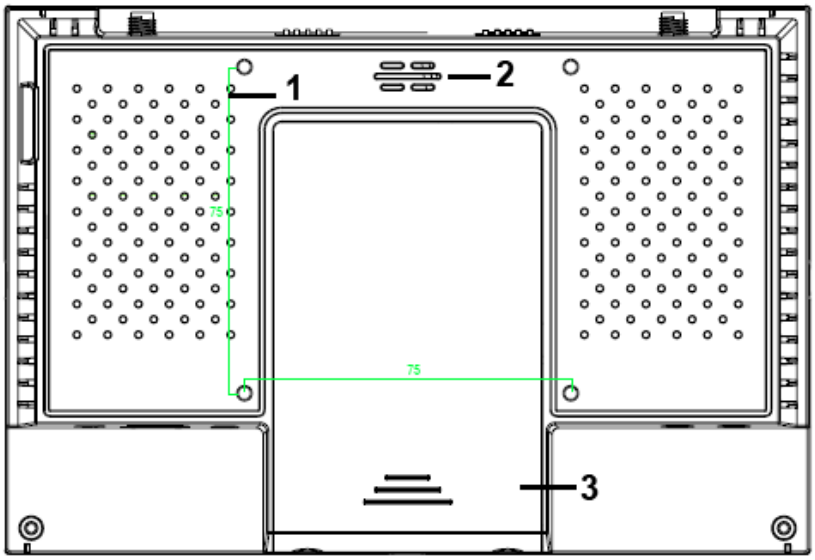
   Press to adjust the brightness, contrast, saturation, Tint, sharpness and volume value decrease.
8. > Right selection key, to select items on OSD menu, value option adjustment and confirmation:

   Press to adjust the brightness, contrast, saturation, Tint, sharpness and volume value increase.
9. ENTER.





1. Antenna port.
2. Frequency control.
   (Please refer to aerial photography signal receiver)
3. OUT: video output interface.
4. IN: video input interface.
5. Bracket mount (Depth limit 0.5cm).
6. Earphone jack.
7. HDMI input interface.
8. POWER: DC12V power input.



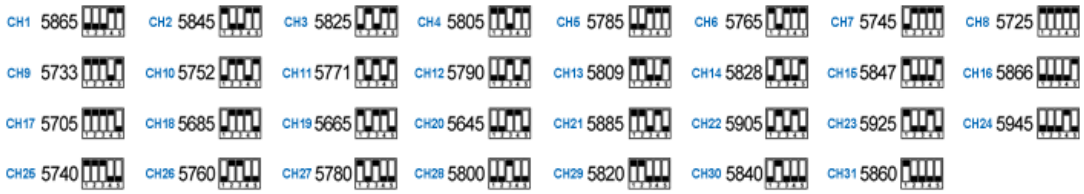
1. VESA mounting interface.
2. Speaker.
3. 2600mA battery slot (**built-in**).

AERIAL PHOTOGRAPHY SIGNAL RECEIVER

❖ Frequency Chart

0: ON; 1:OFF					
Frequency / L.O.	CS1	CS2	CS3	S1	S2
Band 1					
B1:5.865GHz/5.385GHz	1	1	1	0	0
B2:5.845GHz/5.365GHz	0	1	1	0	0
B3:5.825GHz/5.345GHz	1	0	1	0	0
B4:5.805GHz/5.325GHz	0	0	1	0	0
B5:5.785GHz/5.305GHz	1	1	0	0	0
B6:5.765GHz/5.285GHz	0	1	0	0	0
B7:5.745GHz/5.265GHz	1	0	0	0	0
B8:5.725GHz/5.245GHz	0	0	0	0	0
Band 2					
C1:5.733GHz/5.253GHz	0	0	0	1	0
C2:5.752GHz/5.272GHz	1	0	0	1	0
C3:5.771GHz/5.291GHz	0	1	0	1	0
C4:5.790GHz/5.310GHz	1	1	0	1	0
C5:5.809GHz/5.329GHz	0	0	1	1	0
C6:5.828GHz/5.348GHz	1	0	1	1	0
C7:5.847GHz/5.367GHz	0	1	1	1	0
C8:5.866GHz/5.386GHz	1	1	1	1	0
Band 3					
D1:5.705GHz/5.225GHz	0	0	0	0	1
D2:5.685GHz/5.205GHz	1	0	0	0	1
D3:5.665GHz/5.185GHz	0	1	0	0	1
D4:5.645GHz/5.165GHz	1	1	0	0	1
D5:5.885GHz/5.405GHz	0	0	1	0	1
D6:5.905GHz/5.425GHz	1	0	1	0	1
D7:5.925GHz/5.445GHz	0	1	1	0	1
D8:5.945GHz/5.465GHz	1	1	1	0	1
Band 4					
A1:5.740GHz/5.260GHz	0	0	0	1	1
A2:5.760GHz/5.280GHz	1	0	0	1	1
A3:5.780GHz/5.300GHz	0	1	0	1	1
A4:5.800GHz/5.320GHz	1	1	0	1	1
A5:5.820GHz/5.340GHz	0	0	1	1	1
A6:5.840GHz/5.360GHz	1	0	1	1	1
A7:5.860GHz/5.380GHz	0	1	1	1	1

❖ Frequency Control Demo



***339/DW TIPS:**

To avoid adjacent frequency disturbance, please ensure two transmitters frequency difference more than 20MHz.

For example: (ANT1) 5800MHz - (ANT2) 5790MHz = 10MHz < 20MHz (×)

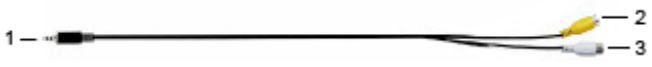
(ANT1) 5828MHz - (ANT2) 5790MHz = 38MHz > 20MHz (√)

❖ Wireless Signal Receiving Antenna

- **Connecting 5.8GHz antenna or omnidirectional antenna with antenna port on device.**
- **Activate channel auto searching function by pressing "AUTO" button to receive audio and video signal.**
- **Or adjust the frequency control manually to comply with channel of transmitter to receive audio and video signal.**

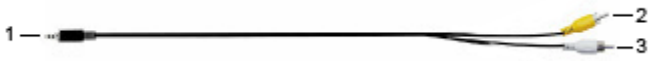
WIRING INSTRUCTIONS

❖ Video Output Cable



1. Video output interface.
2. Yellow: video 1 output plug.
3. White: video 2 output plug.

❖ Video Input Cable



1. Video input interface.
2. Yellow: video 1 input plug.
3. White: video 2 input plug.

MENU SETTING

Before setting the functions, please make sure the device is connected correctly.

Shortcut keys

The image menu

When power on, press "< / >" key on the device, brightness will appear at the bottom of the screen, then press the MENU button to select brightness, sharpness, contrast, saturation, volume, tint, MENU and Exit. User can adjust the parameters of the selected item with "< / >"button to meet their needs.

AUTO

Activate channel auto searching function by pressing "AUTO" button on device when transmitter starts.

Icon Display

Icons will display on screen when signal connected.

Select "Marker" on menu, and turn off "FPV Marker. And the icons will be invisible on screen."

- Battery: battery level indicator.
- Voltage: voltage indicator (invisible when charging)
- Timer: available for flying countdown or battery level countdown.
- Channel frequency: searching channel automatically.
- Signal: wireless signal sensitivity indicator.

Menu Operation

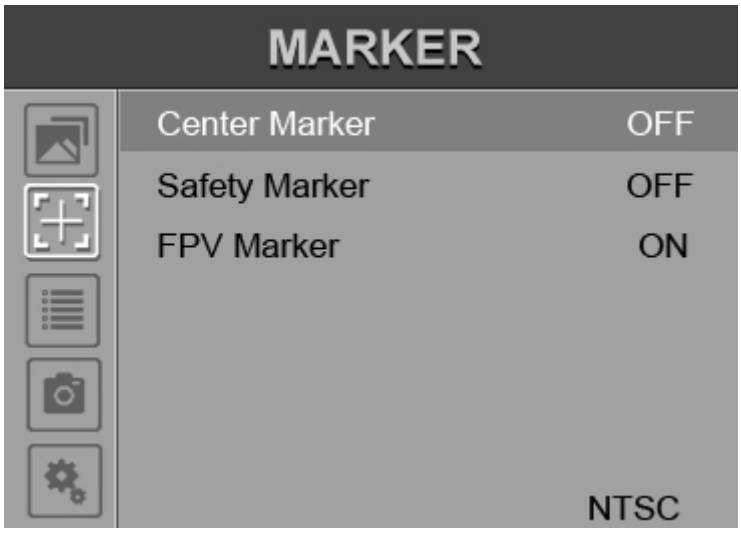
When power on, press "**MENU"** on the device. The menu of function setting will display on the screen.

Press < / > buttons to choose menu; then press ENTER to confirm; after that, press MENU to return.

PICTURE

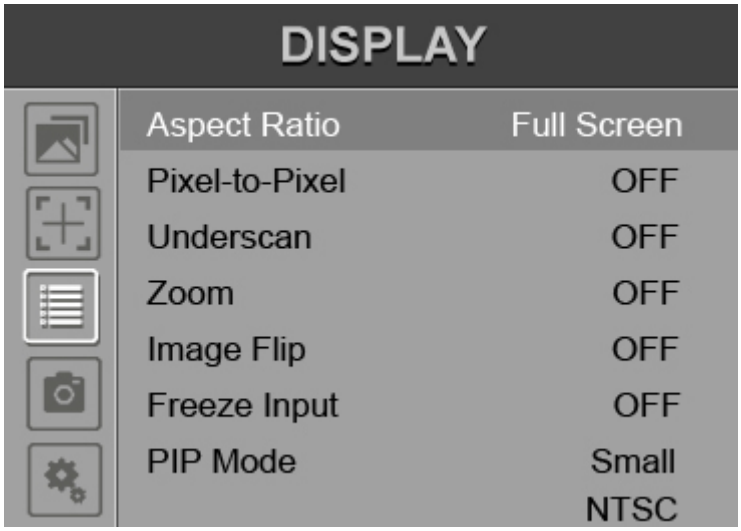
ITEMS	OPTIONS	
Brightness	0 – 100	
Contrast	0 – 100	
Saturation	0 – 100	
Tint	0 – 100	
Sharpness	0 – 100	
Color Temp	6500K, 7300K, 9300K, User	
	Color Temp R	Note: Available only under "User" mode to choose the color value you need.
	Color Temp G	
	Color Temp B	

MARKER



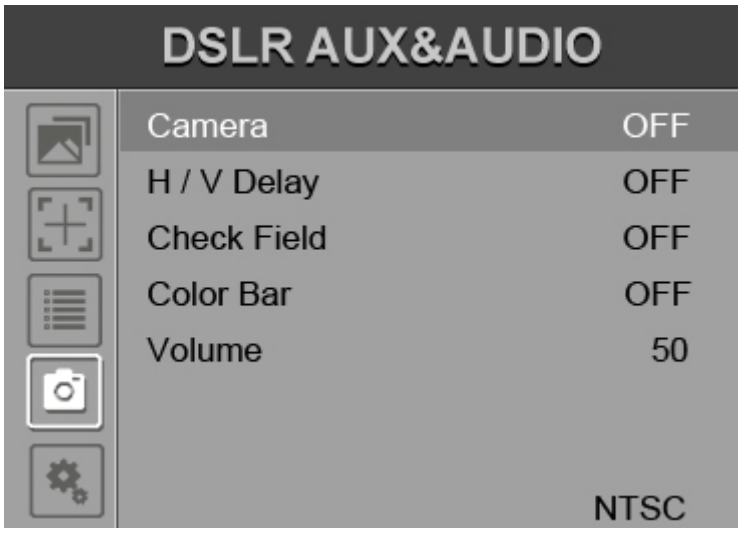
ITEMS	OPTIONS
Center Marker	ON, OFF
Safety Marker	OFF, 95%, 93%, 90%, 88%, 85%, 80%
FPV Marker	ON, OFF

DISPLAY



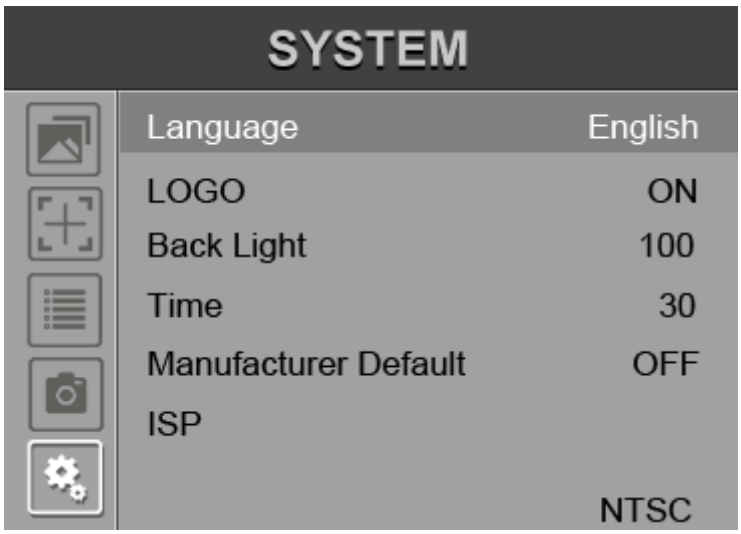
ITEMS	OPTIONS
Aspect Ratio	Full Screen, 4: 3, 16: 9, 1.85: 1, 2.35: 1
Pixel-to-Pixel	ON, OFF
Underscan	ON, OFF
Zoom	OFF, ×2, ×4, ×6, ×8
Image Flip	OFF, H, V, H / V
Freeze Input	ON, OFF
PIP Mode	Small, Medium, Large, PBP, POP

DSLR AUX & AUDIO



ITEMS	OPTIONS
Camera	ON, OFF (Only HDMI mode)
H / V Delay	OFF, H&V, V, H
Check Field	OFF, Mono, Red, Green, Blue
Color Bar	ON, OFF
Volume	0 – 100

SYSTEM



ITEMS	OPTIONS
Language	English, Chinese
LOGO	ON, OFF
Back Light	0 – 100
Time	0 – 240 (Minute)
Manufacture Default	ON, OFF
ISP	

PAPAMETERS

Panel	7” LED Backlit (IPS)
Physical Resolution	1280×800
Brightness	400cd/㎡
Contrast	800:1
Viewing Angle	178°/178°（H/V）
Input Voltage	DC 7~24V
Aspect Ratio	16:9
Current	1300mA
Power Consumption	≤18W
Operating Temperature	-20℃~ 60℃
Storage Temperature	-30℃~ 70℃
Dimension (LWD)	185×126×30 (mm)
Weight	385g

TROUBLE SHOOTING

1. **Only black-and-white display:**

   Check whether the brightness or color saturation is properly setup or not.

2. **No image:**

   - Check the power input and connection
   - Check whether the channel of transmitter and receiver are the same or not

3. **Wrong channel frequency when using DJI transmitter:**

   Please following with the frequency control chart below.

4. **Wrong channel when auto searching:**

   Perhaps much stronger signal comes from near channel will be found when signal sent by transmitter under channel auto searching function.

Note: due to constant effort to improve products and product features, specifications may change without notice.

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.