# HT-720P1833 / HT-720P2233

# Camera Module
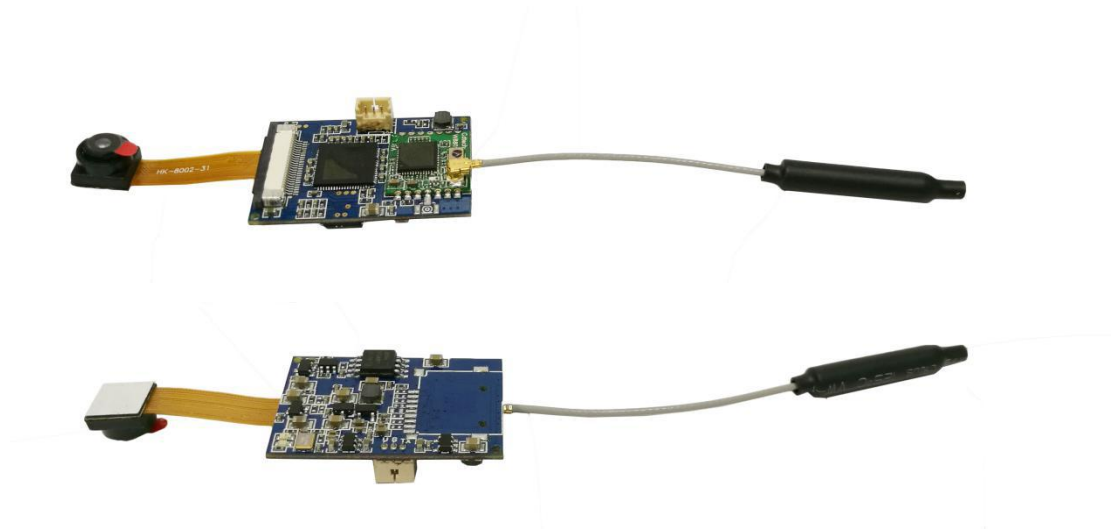
# Users Manual

**Specifications are subject to change without notice.**

**All product names are trademarks of their respective companies.**

## Ⅰ. Product Pictures

1.  HT-720P2233 Camera Module

2.  HT-720P1833 Camera Module

## Ⅱ:Product Features

1: having high resolution 1/4"CMOS and Wide angle lens 60°,1280X720 active pixel,30fps Frame Rate.

2:WIFI real-time transfer 1280X720 HD images, operation distance ranging 80m/100m;

3: Phones and tablet terminals can operate drone without any delay, operation distance arrive 80m/100m;

4: Support one press photo taking and video recording, and saving in mobile;

5: Support viewing photos and video on mobile, and sharing with friends circle;

6: Support image display and operation for Android and IOS mobile or pad;

7: Operation functions including Gravity sensor, speed selection, storage, display/hide operation desk,　Correction, image flip, photos, video, roll, lighting, speedy　rotation, hover, 3D image, set height, headless mode, one press course reversal, WIFI signal, one press down,　Left and right turn, accelerator, Left and right fly, forward/backward, Left and right turn Fine tuning, Left and right fly Fine tuning, forward/backward Fine tuning,

8: Comprehensive and humanized App design, including operation instructions, flight control operations, operations setting which is convenient for customer.

## Ⅲ  Product Specifications

| Image Sensor | 1/4"CMOS |
|---|---|
| Effective Pixels | 1280H x 720V |
| Maximum Frame Rate | 30fps |
| White Balance | Auto tacking WB |
| Lens FOV | 60° |
| Video Encoding | H.264/ MJPEG |
| OS | android 和 IOS |
| Storage | Video, image files |
| WIFI Capability | Support WIFI AP, Mobile, Pad connection |
| Frequency | 2.4-2.4835GHz |
| Band | Could set one of 13 frequency bands |
| Sensitivity | ≤-22db |
| EVM | ≤-28db |
| Antenna Type | On-board Antenna |
| Maximum Transfer distance | 80m |
| Power | DC 3.2-5.5V |
| Working Current | ≤300mA |

| Power consumption | ≤1.5W |
|---|---|
| Dimension | 22×33mm/18×33mm(LXW) |
| Working Temperature | -10℃～50℃ |
| Working Humidity | 0% ～ 90% non- condensation |
| Certification | CE,FCC |

## Ⅳ **User Guide**

### 1. **Install App**

① Search "HTS-UFO" in APP store ,such as Apple store ,Google Play to get the app.

② Please scan the related QR code to download app.



| IOS | Google Play(Android) | 360 APP Market (Android) |

### 2. **Adding device**

Turn on the drone. Please check if the WIFI is connected with the hotspot "HTS-****" .If not, please get your mobile WIFI connected with "HTS-****" . No password.
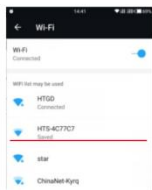


Figure 1                    Figure 2                    Figure 3

### 3. First Page

Figure 2           Help     Play     Settings

### 4. Functions Settings

Click the "Settings" in the first page to enter the settings page. You can set up partial parameters.

Figure 4



Figure 5

## 5. Help

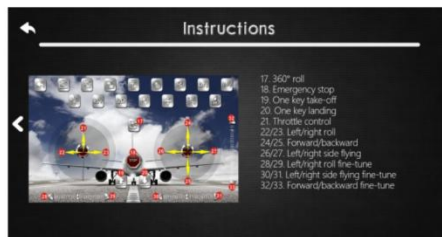The Icons in the operation page Figure 5 and Figure 6



Figure 6

| | |
|---|---|
| 1、Return | 15、Headless mode |
| 2、Take photo | 16、One key return |
| 3、Record video | 17、360° roll |
| 4、Photo&video playback | 18、Emergency stop |
| 5、Altitude hold | 19、One key takeoff |
| 6、Speed:Slow 30% Quick 60% High 100% | 20、One key landing |
| 7、Gravity Sensor mode | 21、Throttle control |
| 8、Show/Hide control interface | 22/23、Left/right roll |
| 9、Show/Hide setup menu | 24/25、Forward/backward |
| 10、Lighting control | 26/27、Left/right side flying |
| 11、Camera flip | 28/29、Left/right roll fine-tune |
| 12、3D View | 30/31、Left/right ine-tune |
| 13、Flight Path | 32/33、Forward/backward fine-tune |
| 14、Gyro Calibrate | |

NOTE: 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.

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.

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.

Attention: Limited Modular Approval - this RF Module may not be sold to the generic public and requires professional installation. Due to the fact that this RF Module is not equipped with an own shielding, the end-product incl. this RF Module has to show compliance to the FCC rules.

(OEM) Integrator has to assure compliance of the entire end-product incl. the integrated RF Module. Additional measurements (15C) and/or equipment authorizations (e.g either a complete new certification or a Class II Permissive Change) may need to be addressed depending on co-location or simultaneous transmission issues if applicable.

Integrator is reminded to assure that these installation instructions will not be made available to the end-user of the final host device.

the Integrator will be responsible to satisfy SAR/ RF Exposure requirements, when the module integrated into any (portable, mobile, fixed) host device.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The final host device, into which this RF Module is integrated" has to be labelled with an auxilliary lable stating the FCC ID of the RF Module, such as "Contains FCC ID: 2AJK7HT-720P1833". (e.g either a complete new certification or a Class II Permissive Change) may need to be addressed depending on co-location or simultaneous transmission issues if applicable.