

CADDX MICRO F2

CADDX Turbo Micro F2 FPV Camera User Manual

Model: MICRO F2

1. INTRODUCTION

This user manual provides comprehensive instructions for the CADDX Turbo Micro F2 FPV Camera. It covers product features, specifications, setup, operation, maintenance, and troubleshooting. Please read this manual thoroughly before using the camera to ensure proper function and longevity.

2. PRODUCT OVERVIEW

The CADDX Turbo Micro F2 is a compact and high-performance FPV (First Person View) camera designed for various applications, particularly in drones and remote-controlled vehicles. It features a 1/3" CMOS sensor, 1200TVL horizontal resolution, and supports both NTSC and PAL TV systems. A key enhancement over its predecessor, the F1, is the integrated microphone for audio capture.



Figure 2.1: Front view of the CADDX Turbo Micro F2 FPV Camera, showcasing its compact design and lens.



Figure 2.2: Contents of the CADDX Turbo Micro F2 package, including the camera, connection cables, mounting bracket, and OSD control board.

3. SPECIFICATIONS

Feature	Description
Image Sensor	1/3" CMOS Sensor
Horizontal Resolution	1200TVL
TV System	NTSC/PAL (Changeable)
Power Input	4.5-40V DC
Mini Illumination	0.001lux
Dimensions	19mm x 19mm x 19mm
Net Weight	5.5g
Lens	2.1mm
Aspect Ratio	16:9 / 4:3 (Non-changeable, specific model variants)
Microphone	Integrated
Video Capture Resolution	720p (Output)

4. SETUP

4.1 Unpacking and Inspection

Carefully unpack all components from the product packaging. Verify that all items listed in the package contents are present and undamaged.

- CADDX Turbo Micro F2 Camera
- Connection Cables (various lengths/connectors)
- Mounting Bracket
- Screws
- OSD Control Board (for menu navigation)
- Hex Key (for mounting)



Figure 4.1: The retail packaging for the CADDX Turbo Micro F2 FPV Camera.

4.2 Wiring Diagram

Connect the camera to your flight controller or video transmitter using the provided cables. Ensure correct polarity for power connections to prevent damage.

- **Red Wire:** Power Input (4.5-40V DC)
- **Black Wire:** Ground
- **Yellow Wire:** Video Output
- **White Wire:** OSD Control (if applicable)

- **Green Wire:** Audio Output (from microphone)

Caution: Incorrect wiring can permanently damage the camera. Refer to your flight controller or video transmitter manual for specific connection points.

4.3 Mounting

The CADDX Turbo Micro F2 camera has dimensions of 19x19x19mm, making it suitable for micro-sized frames. Use the included mounting bracket and screws to securely attach the camera to your desired platform. Ensure the lens is clear of obstructions and pointed in the desired direction.

5. OPERATING INSTRUCTIONS

5.1 Powering On

Once correctly wired, apply power within the specified voltage range (4.5-40V DC). The camera will power on and begin transmitting video.

5.2 OSD Menu Navigation

The camera features an On-Screen Display (OSD) menu for adjusting settings. Connect the included OSD control board to the camera's OSD port (typically the white wire). Use the joystick on the OSD board to navigate the menu:

- **Press Center:** Enter/Confirm selection
- **Up/Down:** Navigate menu options
- **Left/Right:** Adjust values or navigate sub-menus

Common adjustable settings include:

- Brightness
- Contrast
- Saturation
- Sharpness
- Wide Dynamic Range (WDR)
- TV System (NTSC/PAL - if supported by your specific camera variant)

Note: While the camera supports both NTSC and PAL, some variants may have a non-changeable aspect ratio (16:9 or 4:3). Check your specific product variant for details.

6. MAINTENANCE

To ensure optimal performance and longevity of your CADDX Turbo Micro F2 camera, follow these maintenance guidelines:

- **Lens Cleaning:** Gently clean the camera lens with a soft, lint-free cloth. For stubborn smudges, use a lens cleaning solution designed for optics. Avoid abrasive materials.
- **Dust and Debris:** Keep the camera free from dust and debris, especially around the lens and sensor area. Use compressed air if necessary, but avoid direct high-pressure blasts.
- **Environmental Protection:** While the camera is robust, avoid exposing it to extreme temperatures, direct water immersion, or excessive vibrations beyond its intended use.
- **Cable Inspection:** Periodically check all connected cables for signs of wear, fraying, or damage. Replace damaged cables immediately to prevent electrical issues.
- **Storage:** When not in use, store the camera in a dry, cool place, away from direct sunlight and static electricity.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output	Incorrect wiring; No power; Damaged cable; Incorrect TV system setting.	Verify all wiring connections (power, ground, video). Check power supply voltage. Inspect cables for damage. Ensure TV system (NTSC/PAL) matches your video receiver.
Flickering or distorted video	Power fluctuations; Interference; Loose connection; Damaged sensor.	Ensure stable power supply. Check for sources of electromagnetic interference. Secure all connections. If problem persists, camera sensor may be damaged.
OSD menu not appearing	OSD board not connected; Faulty OSD board/cable.	Connect the OSD control board correctly. Test with a different OSD board or cable if available.
Poor image quality (blurry/dark)	Dirty lens; Incorrect OSD settings; Low light conditions.	Clean the camera lens. Adjust brightness, contrast, and WDR settings via the OSD menu. Ensure adequate lighting for optimal performance.
No audio from microphone	Audio wire not connected; Receiver not configured for audio.	Ensure the green audio wire is correctly connected to your video transmitter/receiver. Verify your video receiver/goggles support audio input and are configured to receive it.

8. WARRANTY AND SUPPORT


For information regarding warranty coverage, technical support, or service, please refer to the official CADDX website or contact the retailer from whom you purchased the product. Keep your proof of purchase for warranty claims.

Manufacturer: Generic (Note: Product is branded CADDX)

Model Name: MICRO F2



Related Documents - MICRO F2

	<p>Caddx Ratel Turbo Micro Camera User Manual</p> <p>User manual for the Caddx Ratel Turbo Micro camera, detailing its specifications, connection, installation, and menu settings for optimal performance.</p>
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- 5. Link Button
- 6. VTX LED
- 7. REC LED
- 8. Antenna
- 9. M2 Mounting Hole
- 10. Micro SD Card Slot
- 11. VTX USB Port
- 12. REC USB Port

- Power consumption: 12V@1.4A; 5V@2.2A
Please consider the power supply capability of the power supply.
- When use 6s batteries, it is recommended to solder capacitors at the power input.
- It generates a lot of heat during recording, so please pay attention to airflow for heat dissipation.

1. Connect the moonlight kit and the power of the goggles.
2. Short press the moonlight kit and goggles linking buttons respectively, when the moonlight kit enters the pairing state The VTX LED turns red, and the goggles enter a D1... D1... D1...
3. After the link is successful, the indicator light on the VTX LED turns solid green, the beeping sound on the goggles stops and the screen is closed.

Please go to the official website to download the upgrade firmware.
AvatarMoonlight_Sky_XXX.mrg is the Moonlight camera file. Copy to Micro
SD card, be careful not to change the file name. Before upgrading, you need
to connect the REC port and VTX port using the USB cable included in the

1. The USB cable connecting REC port and VTX port (as shown in the Connection diagram)
2. Copy the upgrade file to the root directory of the microSD card (delete if there are old firmware files), connect the power and wait for the VTX green light to flash.
3. Press and hold the linking button for 8 seconds. When the indicator light turns red and flashes, release the button (It is normal for the indicator light to go out during the upgrade process). Please do not cut off the power during the upgrade process!
4. The upgrade time is about 50 seconds. After the upgrade is successful, the VTX indicator light will flash green or stay on. The REC indicator light will also stay on.

Solutions to abnormal situations:

- If the PGC indicator light turns solid blue during the upgrade process, it means the USB cable connection is abnormal. Please check whether the USB cable is connected properly or replug it.
- If the VTX indicator light changes to green flashing or solid light after long pressing the linking button without red light flashing, please check whether the firmware is correct or whether the SD card is detected.

The UART function enables the VTX to communicate with the flight controller, allowing the VTX to obtain the flight controller information. Take Betaflight Configurator as an example to introduce the UART setting method.

1. Solder the white and gray wires of the 4 pin cable to the flight controller

-



- ```
"set oad_displayport_device = "MEP"
"set displayport_nrg_serial = "Y" (Where Y is one less than the number
the serial port, e.g. Y = 2 for serial 3)
```

| Device | Configuration ID | Device ID | Device Name |
|--------|------------------|-----------|-------------|
| US-VF  | 17500            | 17500     | Device      |
| WIFI   | 17500            | 17500     | WIFI-Device |

1. Open the corresponding uart port (Take uart1 as an example in the figure). Check the MSP switch and click Save. Check the VTX (MSP) - Displayport.

| LEDs Indicator                       |                                                 |
|--------------------------------------|-------------------------------------------------|
| <b>REC Indicator Status</b>          |                                                 |
| USB cable not connected              | Dimly blue light                                |
| Upgrade firmware                     | Fled light rapidly flashes and Steady red light |
| Working fine                         | Steady green light                              |
| Recording status                     | Green light slowly flashes                      |
| Camera not detected                  | Blue light slowly flashes                       |
| <b>VTX Indicator Status</b>          |                                                 |
| Binding status                       | Steady red light                                |
| Upgrade firmware                     | Fled light rapidly flashes and Steady red light |
| Works fine, antenna is not connected | Green light rapidly flashes                     |
| Works fine, antenna is connected     | Steady green light                              |
| Data overheated                      | Red and green lights flash alternately quickly  |
| REC board signal not recognized      | Red light slowly flashes                        |

| Control frequency (MHz) | Channel1 | Channel2 | Channel3 | Channel4 | Channel5 | Channel6 | Channel7 | Channel8 |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| FCC                     | 5660     | 5695     | 5735     | 5770     | 5805     | 5878     | 5914     | 5839     |
| CE/SRRC                 | 5735     | 5770     | 5805     | -        | -        | -        | -        | 5839     |
| MIC                     | 5660     | 5700     | -        | -        | -        | -        | -        | 5745     |

| Contig<br>(Sequence/Size) | Channel1 | Channel2 | Channel3 | Channel4 | Channel5 | Channel6 | Channel7 | Channel8 |
|---------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| FCC                       | 5660     | 5695     | 5735     | 5770     | 5805     | 5878     | 5914     | 5839     |
| CE/SRRRC                  | 5735     | 5770     | 5805     | -        | -        | -        | -        | 5839     |
| MUC                       | 5660     | 5700     | -        | -        | -        | -        | -        | 5745     |

Make sure you fully understand and abide by local laws and regulations before using this product. An amateur radio license may be needed in FCC regions when using channels 1, 2, 6 or 7, as they are amateur frequency bands. Users who use the amateur frequency bands with a modified or cloned version or without a license may be punished for breaking local laws or regulations.

1. It generates a lot of heat during recordings, so please pay attention to airflow for heat dissipation.
2. The device is not waterproof or using gopro data, please provide protection to the camera bracket to avoid anti-shake failure.
3. Automatically stops recording when the chip case temperature exceeds 95 degrees Celsius.
4. The menu setting high frame rate does not support 2.70K/4K recording, and the standard frame rate does not support 1080p/100fps recording. But as ES is only supported when the VTX REC resolution is set to 2.3K.
5. Cannot record while in standby mode.
6. Please use high-speed USB or above Microsd card.
7. Commonly used with Avian VTX coaxial cable, other lengths can be purchased for replacement.
8. Before using the device, please install all antennas to avoid damage to components.
9. When the standby mode is turned on, the power is limited to 10Watt. Before taking off, you need to unlock the flight controller or turn off the standby mode.
10. If you use 4 or more 5.000Hz channels at the same time, please check the

[illegible]

|                 |                            |
|-----------------|----------------------------|
| Model           | Avantek V2 antenna         |
| Polarization    | U-CP                       |
| Frequency range | 5000MHz-8000MHz            |
| Average Gain    | 1.9dB                      |
| V2SWR           | <1.5                       |
| Interface       | PEX-1                      |
| Dimensions      | R15 X 45mm (without cable) |
| Weight          | 2g                         |

GAD007PY Support  
email: support@ceddinfo.com  
This content is subject to change. Download the latest version from  
<https://www.ceddinfo.com>

## Caddx Avatar Moonlight Kit FPV System Manual

Comprehensive user manual for the Caddx Avatar Moonlight Kit, a digital FPV system. This guide provides detailed information on setup, operation, specifications, and troubleshooting for FPV enthusiasts. Supports English and Chinese languages.

## Main interface-1



**5-Ranging mode:**  
The function of calculating the transmission distance from Goggles to VTX according to the wireless transmission delay, the signal is interfered will lead to more overestimation.

**7-Current channel:**  
Display the current setting channel, the signal grid has 5 states, 4 grids, 2 grids, 2 grids, 1 grid, and blank.

Display the status and remaining capacity of the Goggles SD card. When recording, the red circle flashes to prompt, the status of the SD card not detected is displayed as NO SD, and the status of the memory is full is displayed as -.

recording, the recircle flashes to prompt, the status of the storage not detected is displayed as NO SD, and the status of the memory is full is displayed as =.

divided into 4 grids, 3 grids, 2 grids, 1 grid, and a space. The signal display space is occupied and cannot be selected. The white stroke is the selection box. Press the middle button to confirm the current channel and highlight it.

2. Channel working logic: When switching between standard bit rate and high-bit rate, the current channel will be set to CHP, and the channel needs to be reselected. CHP is a public channel, which is easy to be interfered and is not recommended for flight work; Auto is a channel that automatically refreshes the signal interference situation of all channels; Refresh is the channel of manual refresh.

CH1/2/3/4/5/6/7/8/9/10; standard displays 4 channels (CH1/2/3/4); MIC standard displays 2 channels (CH1/2/3). Only in FOC mode, the high rate mode can be turned on, and the 8 channels become 4 channels CH1, CH2, CH3, CH4.

**2-Display:**  
Display adjustable content is Debug, brightness, localization mode,

**3-Record set:**  
The recording can be adjusted as VTX REC resolution, REC device, Slew-off REC, REC loop, format SD card, format VTX, Gain-in-GIS, REC Time, REC Format, Color, Saturation, Sharpness.

The default transmit power can be 250mW, 200mW, 500mW, 700mW.

**8 Frame Rate:**  
Standard frame rate and high frame rate can be selected to obtain different image quality, and high frame rate can only be enabled in PCC mode.

**9 Standby Mode:**  
When in standby mode, the transmission power of VTX terminal and Goggles terminal is 150m, and the current set transmission power will be output only after exiting standby mode or turning off the standby mode switch. Turning on the standby mode requires the air unit serial port to be

**10-Language:**  
Language switching English/中文.

**12-Goggle icon:**  
You can choose to display or hide the icons on the main menu interface.

transmission through the Aolar system. The 5 characters in brackets are the unique identification number of VTX.

### Menu Playback-4

The screenshot shows the AWS IAM console interface. At the top, there are tabs for 'Entities', 'Groups', 'Settings', and 'Playbook'. The 'Groups' tab is active. Below the tabs, there is a table of IAM groups. The table has three columns: 'Name', 'Arn', and 'Users'. There are four groups listed, all named 'ReadOnlyAccess'. Each group has an 'Add user to group' button. The first group is highlighted in blue. At the bottom of the table, there is a 'Refresh' button and a 'Next' button. The bottom of the console shows the AWS logo, navigation icons, and the text 'AWS IAM Console'.

2. On the playback interface, click the middle button to pause/play, and the left and right arrow keys to adjust rewind/fast forward

|                         |                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------|
| Model                   | Axstar HD-Segulus II                                                                                      |
| Communication Frequency | 2.75-3.00GHz                                                                                              |
| Transmitter Power/EIRP  | MCC-000B; CE-41dBm, 5Wm; Audio Power: <30dBm                                                              |
| U/D Interface           | HD-404; HD4 Inpt.; 9Pin-3.5mm Audio Pin; CS/PS2 Pin; 5mm SD Card Slot; 1080i/1080p; 1080p/60Hz; 720p/60Hz |
| Transmission Resolution | 720x480p                                                                                                  |
| Code Rate               | Max 50Mbps                                                                                                |
| Max. Latency            | Average 23ms                                                                                              |
| Average Jitter          | 200ns                                                                                                     |
| Polarization            | U/D-P                                                                                                     |
| Transmission Distance   | >4km                                                                                                      |
| Channel                 | 6                                                                                                         |
| Screen Resolution       | 1024x768/1080p                                                                                            |
| Screen Material         | LED/LCD                                                                                                   |
| U/D Mechanical Range    | 0°/180°-12mm                                                                                              |
| Adjustable Focus Range  | +2.0 to -6.0 Diopter                                                                                      |
| PCV                     | Yes                                                                                                       |
| Power Input             | 100V (20-60)                                                                                              |
| SD card                 | Support 2060                                                                                              |
| System                  | Axstar HD system                                                                                          |

|                         |                     |
|-------------------------|---------------------|
| WIFI                    |                     |
| Protocol                | IEEE 802.11b/g/n/ax |
| Communication Frequency | 2.4GHz              |
| Transmitter Power(EIRP) | <20dbm              |

CADDXFPV SUPPORT  
email: support@caddxfpv.com

Quick Start Guide  
快速入门指南

- Polar cam
- Nebula pro cam
- Nebula nano cam
- Nebula micro cam



Comprehensive guide to the Caddx Avatar HD Goggles X software interface, detailing main interface elements, channel selection logic, comprehensive settings (camera, display, recording, device), playback features, and technical specifications. Includes details on voltage monitoring, bit rate, latency, transmission range, and Wi-Fi capabilities.

## Caddx Gazer Quick Start Guide

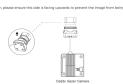
V1.0



### ■ Product Introduction

- The main feature of the Caddx Gazer ultra night vision imaging camera are as follows:
  - 1. Full-color night vision
  - 2. Detachable filter
  - 3. AI image enhancement
  - 4. Adjustable 3x zoom

### ■ Installation Direction



### ■ Control Mode

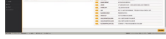
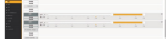
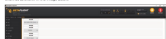
- 1. Power On/Off: Press the power button on the camera unit to turn it on or off.
- 2. Zoom In/Out: Press the zoom in/out buttons on the camera unit to adjust the zoom level.
- 3. Filter On/Off: Press the filter button on the camera unit to turn the filter on or off.
- 4. Image Enhancement: Press the image enhancement button on the camera unit to enable AI image enhancement.

### ■ Connection

- 1. Power Cable Connection: Connect the power cable to the camera unit and the power source.
- 2. Video Cable Connection: Connect the video cable to the camera unit and the monitor.
- 3. Audio Cable Connection: Connect the audio cable to the camera unit and the monitor.

### ■ Debugging Procedure

- 1. Check the power cable connection.
- 2. Check the video cable connection.
- 3. Check the audio cable connection.



### ■ Specifications

- 1. Model: Caddx Gazer
- 2. Resolution: 1280x720
- 3. Frame Rate: 30FPS
- 4. Zoom: 3x
- 5. Filter: Detachable
- 6. Image Enhancement: AI
- 7. Power: 5V/1A
- 8. Video: 12V/1A
- 9. Audio: 5V/1A
- 10. Weight: 100g
- 11. Size: 100x100x50mm
- 12. Material: ABS
- 13. Color: Black
- 14. Brand: Caddx

## Caddx Gazer Quick Start Guide - Full-Color Night Vision Analog Camera

Quick start guide for the Caddx Gazer analog camera, featuring ultra-low light full-color night vision, detachable filter, AI image enhancement, and adjustable 3x zoom. Includes installation, control mode, connection, debugging, and specifications.

## AVATAR HD GOGGLES X Quick Start Guide

V1.2

### Introduction



- 1. Interface: Connect the goggles to the monitor via the video cable.
- 2. Linking: Press the linking button on the goggles to enter linking mode.
- 3. Power On/Off: Press the power button on the goggles to turn them on or off.
- 4. Zoom In/Out: Press the zoom in/out buttons on the goggles to adjust the zoom level.
- 5. Filter On/Off: Press the filter button on the goggles to turn the filter on or off.
- 6. Image Enhancement: Press the image enhancement button on the goggles to enable AI image enhancement.

### AV-IN Port Definition

- 1. GND
- 2. DMS: Connect to the monitor via the video cable.
- 3. V+
- 4. V-
- 5. NC

### Linking

- 1. Connect the V+ and the power of the goggles.
- 2. Press the linking button on the goggles to enter linking mode.
- 3. Press the V+ button on the goggles to enter linking mode.
- 4. Press the V- button on the goggles to enter linking mode.

### Upgrade

- 1. Please go to the official website to download the upgrade firmware.
- 2. Connect the goggles to the monitor via the video cable.
- 3. Press the upgrade button on the goggles to enter upgrade mode.
- 4. Press the V+ button on the goggles to enter upgrade mode.
- 5. Press the V- button on the goggles to enter upgrade mode.

### Status Indication

| Status            | Indicator         |
|-------------------|-------------------|
| Linking           | Linking           |
| Upgrade           | Upgrade           |
| Power             | Power             |
| Zoom              | Zoom              |
| Filter            | Filter            |
| Image Enhancement | Image Enhancement |



| Control frequency (GHz) | Channel1 | Channel2 | Channel3 | Channel4 | Channel5 | Channel6 | Channel7 | Channel8 |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| FCC                     | 5650     | 5655     | 5735     | 5770     | 5805     | 5878     | 5894     | 5839     |
| CE/SAR/C                | 5735     | 5770     | 5805     | -        | -        | -        | -        | 5839     |
| MTC                     | 5665     | 5705     | -        | -        | -        | -        | -        | 5750     |

Make sure you fully understand and abide by local laws and regulations before using this product. An amateur radio license may be needed in FCC regions when using channels 1, 2, 6 or 7, as they are amateur frequency bands. Users who use the amateur frequency bands with a modified or cracked version or without a license may be punished for breaking local laws or regulations.

installation of third-party antennas

The image shows three sequential steps of a screw being driven into a hole. In the first frame, the screw is just starting to enter the hole. In the second frame, the screw is partially inserted. In the third frame, the screw is fully seated in the hole.



1. This is a sophisticated product. Failure to operate this product in a safe and responsible manner could result in injury or damage to the product or its components. It must be operated with care and common sense and requires some basic technical knowledge.
2. Before powering on, please insert all antennas to avoid damage to components.
3. When using HDMI output, please make sure the monitor supports the set resolution and frame rate, otherwise it will cause abnormal display.
4. HDMI output is not supported when goggles are set to 1080p high frame rate.
5. The transmit power of VTX and Goggles is only 10W when the standby mode is on.
6. There are up to eight channels for the goggles depending on the region (US, EU, JAPAN, UK, CAN, CHN). Each channel has a bandwidth of 20 MHz. The public channel is 1, which is the default channel when the equipment is powered on. The channel can be changed manually to avoid interference.
7. It is recommended to upgrade VTX and Goggles to the latest firmware before first use.

- Software interface**  
Main interface-1

## Main interface-1



- 
- The screenshot shows the Kodi menu interface. At the top, it says "Menu Channel-2". Below this, there are four tabs: "Channel", "Share", "Settings", and "Playback". The "Channel" tab is active. Under the "Channel" tab, there is a list of channels. The first channel is "Channel 1" with a green icon. The second channel is "Channel 2" with a yellow icon, which is highlighted. Below "Channel 2", there are two sub-items: "Channel 2" and "Channel 2". To the right of the channel list, there are two buttons: "Add" and "Delete". In the top right corner, there are two status indicators: "1/10" and "0/10".



- 



- **3-Transmit Power:**  
The default transmit power can be 2500m, 2000m, 1000m, 500m.
- **6-Resolution:**  
The resolution can choose 720P and 1080P.
- **7-Bitrate:**  
Standard bit rate and high bit rate can be selected to obtain better quality. High bit rate can only be selected in FCC mode.
- **8-Frame Rate:**  
Standard frame rate and high frame rate can be selected to obtain better time-lapse experiences.
- **9-Standby Mode:**  
When in standby mode, the transmission power of WiFi module and the power of the USB and the current set transmission power will be cut off only after 100 seconds and power on. Leaving off the standby mode will be cut off only after 100 seconds. The standby mode requires the device to be correctly connected to the flight controller. When the goggles receive the device's second signal, it will automatically restart the standby mode. If there is no flight controller support, you can choose to turn off the function.
- **10-Language:**  
Language switching English/Chinese.

[illegible]

- | Specifications          |                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------|
| Model                   | Analog HD Coughs 1                                                                  |
| Communication Frequency | 1.725-1000MHz                                                                       |
| Transmitter Power(EPRP) | FCC:14dBm, CE:14dBm, SRRC:20dBm, PTCRB:21dBm                                        |
| IO Interface            | HDMI-DA, HDMI input, SPI, 3.5mm Audio, RS485, RS422, RS232, IrDA, USB, SD Card Slot |
| Transmission Resolution | 720p/50p, 1080p/50p, 1080p/60p                                                      |
| Code Rate               | Max 50 Mbps                                                                         |
| Min. Latency            | Average 22ms                                                                        |
| Resolution              | 1080P                                                                               |
| Positioning             | LINCP                                                                               |
| Channel                 | 1-4mm                                                                               |
| Channel                 | 0                                                                                   |
| Screen Resolution       | 1920*1080/1000p                                                                     |
| Screen Material         | OLED                                                                                |
| FOV Mechanical Range    | 63mm-72mm                                                                           |
| FOV Optical Range       | +23.0 to -8.5 Degree                                                                |
| FOV                     | 50°                                                                                 |
| Zoom                    | 20-360X/55X                                                                         |
| SD card                 | Support 56GB                                                                        |
| Power                   | Analog AC system                                                                    |
| Processor               | 8000 KHz 1000Hz/1m                                                                  |
| Communication Frequency | 2.4GHz                                                                              |
| Transmitter Power(EPRP) | < 20dBm                                                                             |
| Processor               | 8000 KHz 1000Hz/1m                                                                  |
| Transmitter Power(EPRP) | < 20dBm                                                                             |

[illegible]

