



# DETC-206 产品说明书

Product Specification

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## Content

<b>1. Easy Way to start the device</b>	01
1.1 Operating steps and instructions	
1.1.1 Transmitter	
1.1.2 Receiver1	
1.1.3 Mobile	
<b>2. Specification</b>	02
<b>3. Introduction</b>	03
3.1 Disclaimer	
3.2 Profile	
3.3 Intended usage	
3.4 Caution	
<b>4. Product overview</b>	04
4.1 Brief introduction	
4.2 Standard spec	
<b>5. INTERFACE definition</b>	05
5.1 Transmitter port	
5.2 Receiver port	
<b>6. Installation</b>	10
6.1 Transmitter installation	
6.2 Receiver installation	
<b>7. Bind and frequency switch</b>	12
7.1 Frequency switch	
7.2 Bind	
<b>8. APP instruction</b>	13
8.1 INFO setting	
8.2 Power setting	
<b>9. Troubles solution</b>	14
9.1 Trouble symptoms / diagnosis / solution	
<b>10. Appendix</b>	15
10.1 Video input format requirement	
10.2 Monitor INFO content	
<b>11. contact info</b>	15



**Innovation | Never Stops**

# 1. Easy way to start the device

## 1.1 Operating steps and instructions

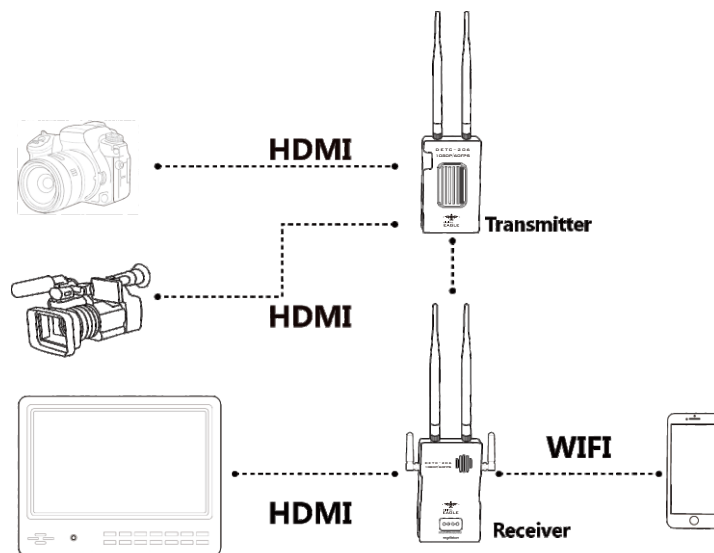
### 1.1.1 Transmitter

- ▶ Install the antennas.
  - ▶ Install the HDMI camera cable.
  - ▶ Connect camera to the power, select the correct video format.
  - ▶ Connect Transmitter to the power.
- There should be below instructions if the Transmitter works well.  
 WORK light flash regularly.  
 HDMI light turn-on  
 LINK light turn-on if the Transmitter connect to Receiver.

### 1.1.2 Receiver

- ▶ Install the antennas
- ▶ Install the monitor by HDMI cable. (optional)
- ▶ Turn off the Receiver power button, then connect to the power (DC-12V power), turn on the receiver power button again.
- ▶ Turn on the power.

There should be below instructions if the receiver works well.  
 WORK light flash regularly  
 HDMI light turn-on (if installed the HDMI monitor).  
 LINK light turn-on if the receiver connect to transmitter.  
 HDMI monitor instruction (if installed the HDMI monitor):  
 The monitor shows logo "Digital Eagle" after receiver connect to the power.  
 After that, the monitor shows progress bar: Start-up / Selfcheck / Link.  
 Monitor real-time display the camera video when the transmitter connect to the receiver.



## 2. Specification

Here list the detailed specification about DETC-206

Function specification	
Communication distance (outdoor, no obstruction)	200mw ground distance $\geq$ 2000m 500mw ground distance $\geq$ 3000m
Wall Penetration ability	3 cement walls; 1 ferroconcrete wall
Output Power	25mw-800mw adjustable
Sensitivity	-95dbm $\pm$ 2dbm
Frequency	5G
Physics specification	
working temperature	-10~60°C
storage temperature	-20~50°C
dimension (including the shell, not including the antennas)	Transmitter: L. 114mm x W. 70mm x H. 25mm Receiver: L. 127mm x W. 72mm x H. 28mm
Weight (including the shell, not including the antennas)	Transmitter: 178g Receiver: 233g
Hardware function support	
Transmitter working voltage	DC-12V, 6V~16V, suggest the output power is more than 12W
Receiver working voltage	DC-12V, 7V~16V, suggest the output power is more than 12W

## 3. Introduction

### 3.1 Disclaimer

Thanks for purchasing the DETC-206 from Digital Eagle. Everyone need to read and understand this disclaimer before using the DETC-206. You are supposed to be accepted the disclaimer once the product is started to use. Please comply with the installation and using process indicated in this use manual. Digital Eagle will not be responsible for the consequence of the improper use, improper install, improper modify. The product name, brand mentioned here are belong to Digital Eagle.

### 3.2 Profile

This use manual as the instruction of Full-HD Digital Video Transmission system DETC-206, the components and functions mentioned here may not be the standard spec. please check the enclosed list with the product, please contact with the dealer if you have any question  
The right of the manual write, modify and release only belong to Digital Eagle, Without the authorization of Digital Eagle, this use manual could not be copied or modified or released  
The information in this manual is only for DETC-206 Full-HD Digital Video Transmission System.  
This manual is subject to change without prior notice.

Version	
profilecode& version	releasedate
DE.H.00030018.V01	2018.01

### 3.3 Intended usage

DETC-206 use for wireless Full-HD Digital Video transmission

### 3.4 Caution

- ⚠ The effectiveness of the use product is subject to if comply with operate and maintain direction in this manual.  
Before start the product, the staff must make sure the operate process and condition is correct. specially to check the product cables are good or not, if the cable is damaged, please change it before start the product.
- ⚠ DETC-206 is intended to use on the film and other Full-HD digital video transmission. DETC-206 may not be reached the defined function if it

works in the improper temperature, improper humidity and improver air pressure.  
DETC-206 should not work when it is wet. Have to make sure it is dry when you use it.

- ⚠ DETC-206 is the high precise product, it is forbid to beat and clash.
- ⚠ Product life time is 2 years, quality warranty is 1 year.
- ⚠ Manufacture and dealer are responsible for the product maintenance, without the authorization, please don't fix the product and don't modify the product.



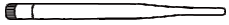


## 4. Product overview

### 4.1 Brief introduction

DETC-206 is the 1080p full-HD Digital Video transmission system which including transmitter and receiver, it transmit the video, audio, image and more information by the wireless communication mode. DETC-206 is perfect for all fields video transmission because of the light weight, low power, long distance, low latency.


### 4.2 Standard spec

#### 4.2.1 product main part


Transmitter 1	Receiver 1
	
Transmitterantennax 2	Receiverantennax 2
	
	Groundsystemmobileantenna x 2
	



## 4.2.2 Transmitter cable

HDMI cable(D-D)x 1	
CameraHDMI cable	

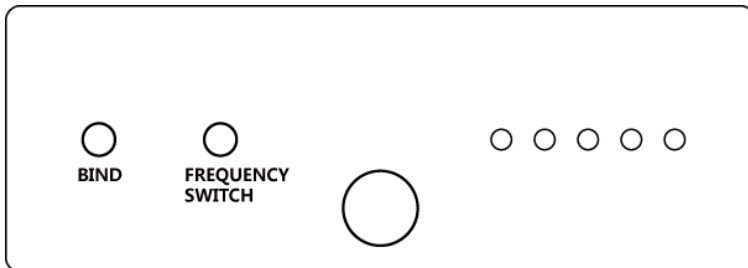
## 4.2.3 Receiver cable

Hotshoes	
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# 5. Port definition

## 5.1 Transmitter port

### 5.1.1 Back side



[1]: For frequency switch setting

Press the button more than 5 seconds, 3 lights (HDMI, LINK, WORK) are all turn-off, release the key, 3 lights flash as 0.5Hz frequency, and then 3 lights back to normal state, that means channel change is finished. If devices not connected yet after 10 seconds of frequency switch process, please switch again. The frequency supported by device as below:

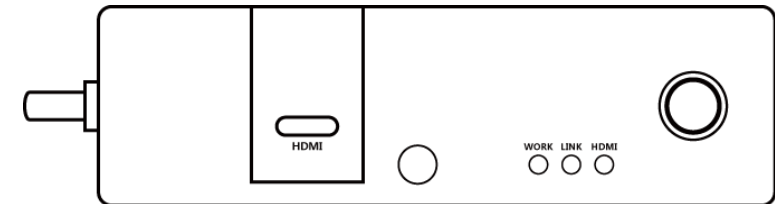
5180	5220	5260	5320	5520	5540	5560
5580	560	5620	5640	5660	5680	5700

[2]: For bind the air system and ground system.

Press the button more than 5 seconds, 3 lights (HDMI, LINK, WORK) are all turn-off, then 3 lights flash one by one, when the LED light works well that means they are well bind. This may takes 2 minutes. If the

connection has not been resumed after 2 minutes, repower on both ends, and don't need rebind.

## 5.1.2 Right side port



HDMI port: for connecting with the camera.

Power port: Power button.

Work light: for monitoring the air system working status.

Lightstatus	Description	Action
Flash regularly	air system works well	NA
otherstatus	air system does not work	Connect the system to the power again, or contact with the customer service.

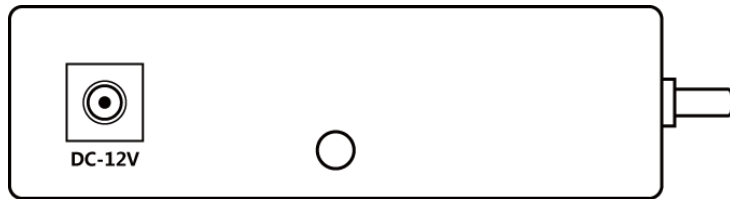
Link light, for monitoring the status of connect with the ground system.

Lightstatus	Description	Action
Turn-on	Connect with ground system well	NA
Turn-off	Does not connect with ground system	<ol style="list-style-type: none"> <li>1. Please wait for connecting</li> <li>2. Make sure the ground system is connected the power.</li> <li>3. Bind the air system and ground system again</li> <li>4. Connect the power again</li> </ol>

HDMI light, for monitoring the camera status.

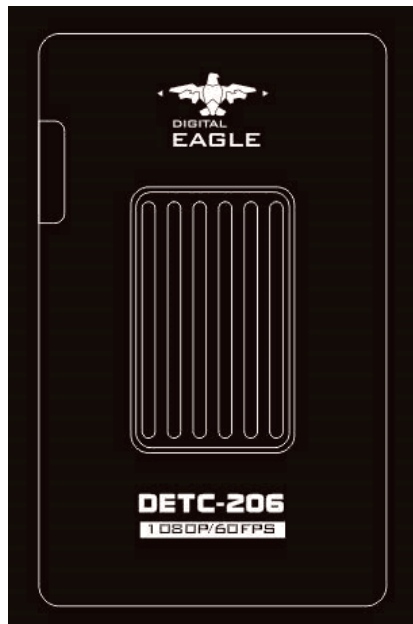
Lightstatus	Description	Action
Turn-on	Camera connect well	NA
Turn-off	Camera does not connect	check camera cable position
Flash	Camera output format is not correct	check camera output format setting

### 5.1.3 Left side port



DC-12V port: 12V-DC power.

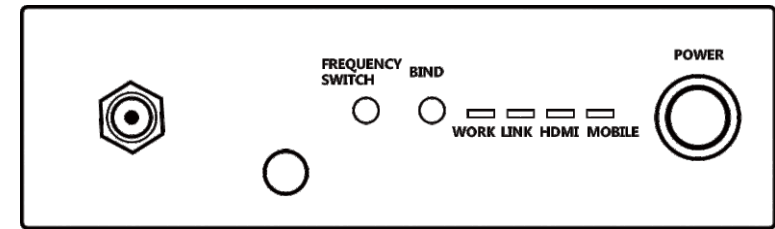
### 5.1.4 Front side port



Cooling fan: Pay attention to not cover the cooling fan.

## 5.2 Receiver port

### 5.2.1 Left side port



[1]: For frequency switch setting

Press the button more than 5 seconds, 4 lights (HDMI, LINK, WORK, MOBILE) are all turn-off, release the key, 4 lights flash as 0.5Hz frequency, and then 4 lights back to normal state, that means channel change is finished. If devices not connected yet after 10 seconds of frequency switch process, please switch again. The frequency supported by device as below:

[2]: For bind the air part and ground part.

Press the button more than 5 seconds, 4 lights (HDMI, LINK, WORK, MOBILE) are all turn-off, then stop press the button, 4 lights flash one by one, when the LED light works well that means they are well binded. This may takes 2 minutes. If the connection has not been resumed after 2 minutes, repower on both ends, and do not need to rebind.

[3]: Monitor the ground system work status.

Lightstatus	Description	Action
Flash regularly	Ground system workswell	NA
Otherstatus	Ground system does not work well	Connect the power again or contact with the customer service

[4]: Monitor air system and ground system connect status.

Lightstatus	Description	Action
Turn-on	Connectwithair system	NA
Turn-off	Desnot connectwithair system	<ol style="list-style-type: none"> <li>1. Please wait for connecting</li> <li>2. Make sure the air system is connecting the power.</li> <li>3. Bind the air system and ground system again.</li> <li>4. Connect the power again</li> </ol>

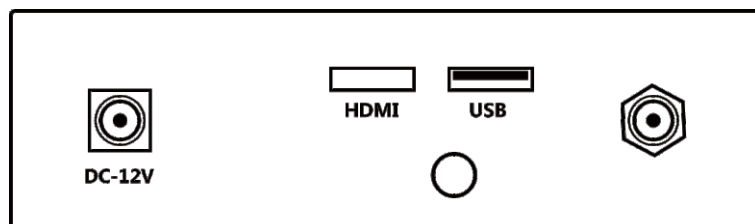
[5]: monitor the display device status.

Lightstatus	Description	Action
Turn-on	Display device connect well	NA
Turn-off	Display device does not connect	Check Display device cable position

[6]: Monitor mobile connect status.

Lightstatus	Description	Action
Turn-on	Mobile connect well	NA
Turn-off	No mobile connect	Make sure the mobile connect with the network, turn off the software then turn on again.

### 5.2.3 Right side port



[1]: DC-12V power button

[2]: HDMI port, for connect with the monitor.

[3]: USB port, reserved port.

### 5.2.4 Front side port



Air vent: Pay attention to not cover the air vent.

[1]: INFO port, for specification display.

[2]: Power port, for switch signal reception sensitivity.

[3]: For audio button.

[4]: Video port, for switch the picture quality, have 4 level for choose.

## 6. Installation

### 6.1 Transmitter installation

#### 6.1.1 Antenna installation

Take out two pcs air system antenna and fix them on the transmitter.

#### 6.1.2 HDMI cable installation

One end of cable connect to the camera, another end of cable connect to the air system.

#### 6.1.3 power cable installation

Both of DC and AC power are supported by the receiver. Support Sony NP-F970/770 battery.

Support DC-12V power, suggest the output power is more than 1A.  
Connect to the power according to the requirement.

## 6.2 Receiver installation

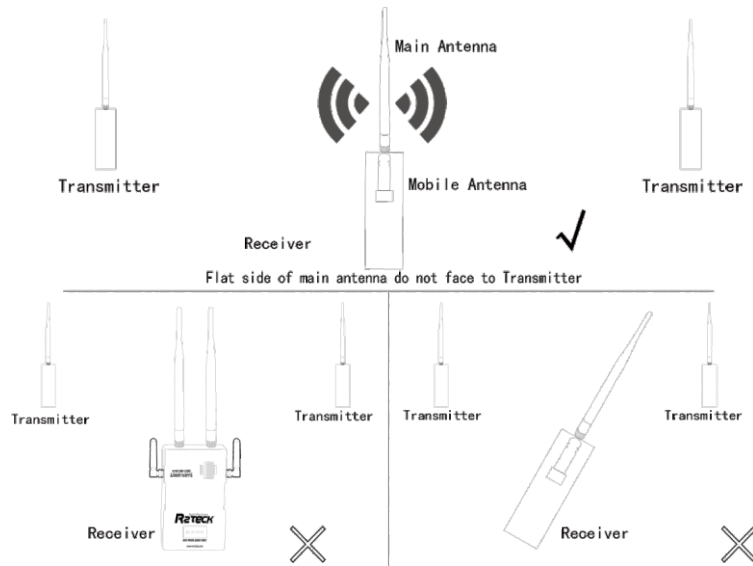
### 6.2.1 Antennas installation

Prepared 4pcs ground system antennas, 2pcs of each style, fix them on the ground system according the photo below:

Attention:

The receiver antenna is not a full direction antenna,  
For better transmit result, please make sure the antennas perpendicular to the ground.

Please operate refer to blow pictures.



### 6.2.2 HDMI cable installation

One end of HDMI connect to the monitor, another end of HDMI connect to the ground system.

### 6.2.3 Power cable installation

Both of DC and AC power are supported by the ground system.

Support Sony NP-F970 battery

Support 12V-DC power, suggest the output power is more than 1A.

Connect to the power according to the requirement.

## 7. Bind and Frequency switch

### 7.1 Frequency switch

This feature is implemented at the transmitter or receiver, there is not required to implemented it at the same time. Please make sure the transmitter and receiver connection status is well when implemented at the receiver.

For channel switch setting

Transmitter: Press the button more than 5 seconds, 3 lights (HDMI, LINK, WORK) are all turn-off, release the key, 3 lights flash as 0.5Hz frequency, and then 4 lights back to normal state, that means channel change is finished.

Receiver: Press the button more than 5 seconds, 4 lights (HDMI, LINK, MOBILE, WORK) are all turn-off, release the key, 4 lights flash as 0.5Hz frequency, and then 4 lights back to normal state, that means channel change is finished.

### 7.2 Bind

Function explanation: bind function bind one air system with one ground system.

Process: the device LED light shows correctly, press two BIND buttons on air system and ground system together and keep more than 5 seconds, all the LED light turn off, release the button. All the LED light flash one by one regularly, means the device start the bind progress. when all the LED lights of both side shows correctly that means bind progress is finished.

Attention:

When the air system is connecting with the ground system, the video will be paused two times during the bind progress, the video will work correctly when the progress is finished. one air system only work together with the bind ground system after processed the bind function. Bind progress should be worked on the air system and ground system at same time, please turn off other devices during bind progress in order to avoid mismatching errors.

All the buttons on the air system and ground system will be worked after the device started 30 seconds later, the LED lights flash high speed means the buttons are not available now.

## 8. APP instruction

### 8.1 INFO setting

Click OSD button, select "Turn-on" or "Turn off", match to the "Display" or "Not display"



### 8.2 Power setting

Click "setting" button to adjust the power, if click 100mw, then the video top right corner shows "PW: 100 OK", means output power setting is succeed.



## 9. Troubles solution

Below is the device maintenances about DETC-206, to help the users whom don't have professional testing equipments and technology to solve the simply troubles.

### 9.1 Trouble symptoms / diagnosis / solution

Symptoms	Diagnosis	Solution	
No video	Did not follow the process	Follow the process as chapter 1	
	Air system	HDMI light flash	1. video format does not correct, check if the camera is supported by DETC-206 and select the correct video format, the camera list as appendix 2. Camera HDMI cable bad contacted, connect the HDMI cable again.
		HDMI light turn-off	Camera HDMI cable is bad contacted, connect the HDMI cable again.
		WORK light is abnormal (not flash regularly)	Connect the power again.
		LINK light turn-off	Connect the power again
	Ground system	HDMI light turn-off	Camera HDMI cable is bad contacted, connect the HDMI cable again.
		WORK light is abnormal (not flash regularly)	Connect the power again.
		LINK light turn-off	Connect the power again.
	Bind abnormal	LINK light turn-off	If the above solutions do not work, please restore factory setting Restore factory setting succeed, suggest to process the bind progress. Action and instruction as chapter 7
	Blue screen	Air system HDMI bad contact	Please make sure HDMI cable works and connect with the device well.
Video pause	HDMI cable problem	Change a new HDMI cable	
	Out of allowed distance	Back to the allowed distance	

If the above solutions do not work, please contact with the customer service.







## 10. Appendix

### 10.1 Video input format requirement

Signal type	Video format	Resolution	Remark
HDMI	PAL, NTSC	1080p@60fps	IF want to changethe resolution,you have to re-startthe both of the air system and ground system.
		1080p@50fps	
		1080p@25fps	
		1080i@60fps	
		1080i@50fps	
		720p@60fps	
		720p@50fps	
720p@25fps			

### 10.2 Monitor INFO content

Beside the video, on the top side and bottom side of the monitor display the OSD data.

-  Video signal intensity
-  Transmitter power voltage  
POWER: Transmitting power
-  Current frequency
-  Receiver power voltage
-  Current Picture Quality
-  Audio button state

## 11 .contact info

Thanks for purchasing our device again. If you have any suggestion or need technical support, please visit our website or send us the email, also welcome to call us.

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## 目 录

1. 简易操作步骤	16
1.1 操作步骤及对应指示说明	
2. 技术参数	17
3. 引言	17
3.1 声明	
3.2 关于手册	
3.3 预期用途	
3.4 警告	
4. 产品概述	18
4.1 简介	
4.2 标准配置	
5. 接口说明	19
5.1 发射端接口说明	
5.2 接收端接口说明	
6. 安装说明	25
6.1 发射端安装	
6.2 接收端安装	
7. 对码及频率切换设置	26
7.1 频率切换功能	
7.2 对码功能	
8. APP使用说明	26
8.1 INFO设置	
8.2 功率设置	
9. 故障处理	28
9.1 故障现象与其原因及处理方法	
10. 附录	28
10.1 视频输入源要求	
10.2 显示器INFO显示内容说明	
11. 联系信息	29

## 1. 简易操作步骤

### 1.1 操作步骤及对应指示说明

#### 1.1.1 发射端

- ▷ 安装天线。
- ▷ 安装HDMI相机数据线。
- ▷ 相机上电并开启，选择相应的视频格式。
- ▷ 发射端供电。

如果发射端运行正常，应有以下提示：

上电15秒后，WORK指示灯呼吸效果显示，WORK指示灯由亮到灭循环显示。

HDMI指示灯常亮。

与地端建立无线连接后，LINK指示灯常亮。

#### 1.1.2 接收端

- ▷ 安装天线。
- ▷ 安装HDMI显示屏数据线及显示屏，显示屏上电（如不需要可跳过该操作）。
- ▷ 关闭接收端设备电源开关，并连接电源（DC-12V电源）。
- ▷ 打开电源开关。

如果接收端运行正常，应有以下提示：

上电15秒后，WORK指示灯呼吸效果显示，WORK指示灯由亮到灭循环显示。

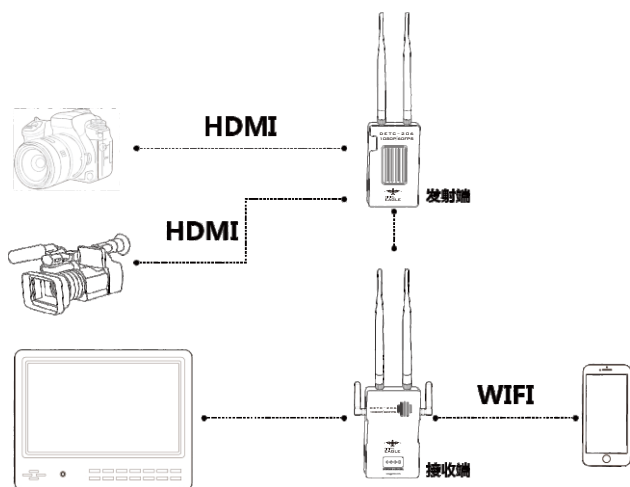
HDMI指示灯常亮（若HDMI显示设备已装配）。

与发射端建立无线连接后，LINK指示灯常亮。

HDMI显示屏指示（若HDMI显示设备已装配）：

随后依次显示开机进度条三个阶段Start-up/Selfcheck/Link。

待发射端和接收端建立连接后开始实时显示视频画面。



## 2. 技术参数

该章节描述详细的技术参数，详见表2.1.1

性能参数	
通信距离(室外、无阻挡)	100mw地面距离≥2000米 800mw地面距离≥3000米
穿墙能力	普通水泥墙:3堵。钢筋混凝土墙:1堵
有效辐射功率(EIRP)	25mw~800mw可调
接受灵敏度	-95dbm±2dbm
工作频率	5G
物理参数	
工作温度	-10~60C
存储温度	-20~50C
尺寸(含外壳, 不含天线)	发射端 114mm(长)×70mm(宽)×25mm(高) 接收端 127mm(长)×72mm(宽)×28mm(高)
重量(含外壳, 不含天线)	天端: 178g 地面端: 233g
硬件功能支持	
发射端工作电压	DC-12V (6V~16V, 建议输出功率≥12W)
接收端工作电压	DC-12V (7V~16V, 建议输出功率≥12W)

## 3. 引言

### 3.1 声明

感谢您使用江苏数字鹰科技股份有限公司的DETC-206产品。任何用户在使用之前，请仔细阅读本声明。一旦使用，既被视为对本声明全部内容的认可和接受。请严格遵守手册安装和使用该产品。因用户不当使用、安装、改装造成的任何结果或损失，江苏数字鹰科技股份有限公司将不承担法律责任。本文出现的产品名称、品牌等均为江苏数字鹰科技股份有限公司的商标或注册商标。

### 3.2 关于手册

本手册作为高清数字视频传输系统DETC-206产品的使用说明资料，手册中所涉及的部件和功能并不一定是标准配置。请查阅随机附件清单，如有疑问请与经销商联系。

本手册制订、修改与发行权属于江苏数字鹰科技股份有限公司，其它个人和组织未经江苏数字鹰科技股份有限公司许可，不得复制、修改和发行本手册。本手册中的信息只适用于DETC-206高清数字视频系统(以下简称为“DETC-206”)。

本手册内容如有更改，不另行通知。

版本记录	
文件编号及版本号	发布日期
DE.H.00030018.V01	2018年01月

### 3.3预期用途

DETC-206适用于无线高清数字视频传输。

### 3.4警告

使用设备的有效性取决于操作是否符合本手册的操作和保养指导。

⚠ 操作设备之前，操作人员必须确保工作顺序和操作条件正确。尤其要检查设备连接线是否损坏，如果有损坏，则必须立即更换。

⚠ DETC-206预期在影视图传以及其他高清视频传输中使用。DETC-206在规定的温度、湿度、气压范围外使用或储存，可能无法达到规定的性能。DETC-206不能淋雨和受潮。当DETC-206意外受潮时应该及时在通风处晾干。

⚠ DETC-206为精密电子设备，禁止摔打、拍打、磕碰。

⚠ 产品使用寿命为两年，保质期一年。

⚠ DETC-206的维修由制造商或经销商承担，未经许可其它人员都不应该尝试去修理设备。  
不允许改装本设备。

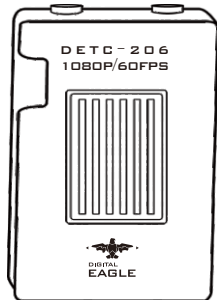
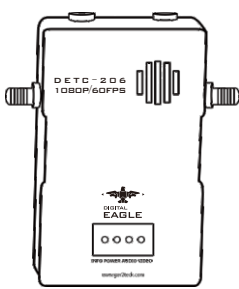
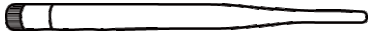


## 4.产品概述

### 4.1简介

DETC-206包括发射端和接收端，是一款1080p超清数字图像传输系统，利用无线通信方式传送视频图像、音频等信息。DETC-206具有体积小、功耗低、传输距离远、穿墙能力强、延时低等特点，可满足各领域的图传需求。

### 4.2标准配置


#### 4.2.1主设备配置

发射端主设备×1 	接收端主设备×1 
发射端天线×2 	接收端主天线×2 
	接收端移动设备天线×2 

#### 4.2.2发射端连接线

HDMI连接线(C-D)×1 (标配)	
相机 HDMI口连接线	

#### 4.2.3接收端连接线

双头螺纹接口	
--------	---

## 5.接口说明

### 5.1发射端接口说明

#### 5.1.1底部接口说明



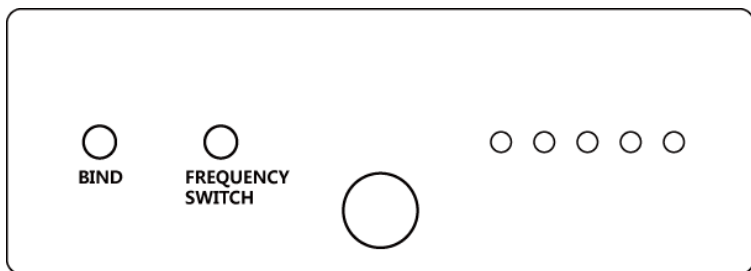


图5.1.1.1 发射端底部接口示意图

**FREQUENCY SWITCH**按键：用于切换频点。

按键5秒钟以上，三个指示灯（WORK、LINK、HDMI）全灭，然后三个指示灯以0.5Hz的频率闪烁，完成频点切换后对应LED指示灯恢复正常功能指示，画面显示对应的频点，如果频点切换后10秒内仍没有连接显示，请再次切换频点。设备支持以下频点：

5180	5220	5260	5320	5520	5540	5560
5580	5600	5580	5620	5640	5660	5700

**BIND**按键：对码按键，通过该按键可完成发射端与接收端对码（需要发射端和接收端同时操作）。

按键5秒以上，三个指示灯（WORK、LINK、HDMI）全灭，然后三个指示灯以跑马灯的模式显示，待跑马灯结束，LED恢复常规显示表示完成配对。整个过程大概需要2分钟。如果2分钟后仍没有重新建立连接，请两端重新上电，且上电后不需要重新进行BIND操作。

### 5.1.2侧面1接口说明

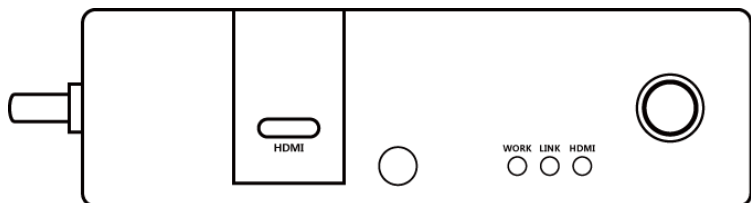


图5.1.1.2 发射端侧面1接口示意图

**HDMI**端口：与相机连接接口，通过该接口获取相机视频数据。

**POWER**按键：电源开关键。

**WORK**指示灯：用于指示天端系统运行状态，各状态说明见下表。

指示灯状态	描述	操作
由亮到灭的循环	天端系统工作正常	NA
其它状态	天端系统工作不正常	给天端重新上电，或联系客服

**LINK**指示灯：用于指示与地面端无线建立连接状态。

指示灯状态	描述	操作
亮	与地面端无线模块连接已建立	NA
灭	与地面端无线模块连接未建立	1. 请等待连接 2. 确定对应的天端已经上电 3. 天地端重新对码 4. 重新上电

**HDMI**指示灯：HDMI连接指示灯，用于指示相机或摄像头连接状态。

指示灯状态	描述	操作
亮	相机已连接	NA
灭	相机未连接	检查相机连接是否正确
闪烁	相机视频输出格式不支持	检查相机视频输出格式设置

### 5.1.3侧面2接口说明

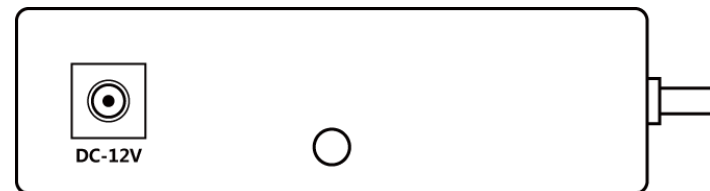


图5.1.3.1 发射端侧面2接口示意图

**DC-12V**接口：设备供电电源接口，接入12V直流电源。

### 5.1.4正面接口说明

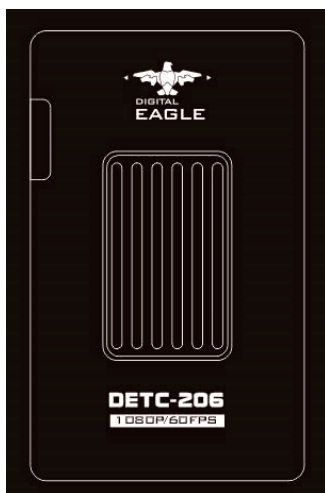


图5.1.3.1 发射端正面示意图

正面中心区域为散热区，注意安装时不要有任何物品覆盖到上面，以保证正常散热。

## 5.2接收端接口说明

### 5.2.1左侧面接口说明

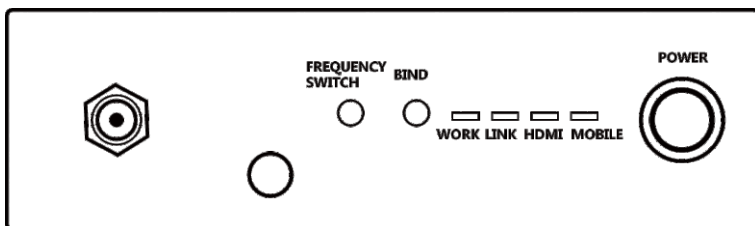


图5.2.2.1 接收端底部接口示意图

FREQUENCY SWITCH按键：用于切换频点。

接收端切换频点需要与发射端处于正常连接状态。

按键5秒钟以上，四个指示灯（WORK、LINK、HDMI、MOBILE）全灭，然后四个指示灯以0.5Hz的频率闪烁，完成频点切换后对应LED指示灯恢复正常功能指示，画面显示对应的频点，如果频点切换后10秒内仍没有连接显示，请再次切换频点。

BIND按键：对码按键，通过该按键可完成发射端与接收端对码。

按键5秒钟以上，四个指示灯（WORK、LINK、HDMI、MOBILE）全灭，松开按键，四个指示灯以跑马灯的模式显示，待跑马灯结束，LED恢复常规显示表

示完成配对。整个过程大概需要2分钟。如果2分钟后仍没有重新建立连接，请两端重新上电，且上电后不需要重新进行BIND操作。

POWER按键：电源开关键。

WORK指示灯：用于指示接收端系统运行状态。

指示灯	描述	操作
由亮到灭的循环	接收端系统工作正常	NA
其它状态	接收端系统工作不正常	给接收端重新上电，或联系客服

LINK指示灯：用于指示与发射端无线连接状态。

指示灯	描述	操作
亮	与发射端无线模块连接已建立	NA
灭	与发射端无线模块连接未建立	1. 等待连接 2. 确定对应的发射端已经上电 3. 发射端重新对码 4. 重新上电

HDMI指示灯：HDMI连接指示灯，用于指示显示设备连接状态。

指示灯	描述	操作
亮	显示设备已正常连接	NA
灭	显示设备未连接	检查显示设备连接是否正确

MOBILE指示灯：用于指示移动端（手机、ipad）连接状态。

指示灯	描述	操作
亮	有移动端设备连接	NA
灭	无移动端设备连接	确认移动设备已连接地面端网络。关闭后台软件 重新打开。

### 5.2.3右侧面接口说明

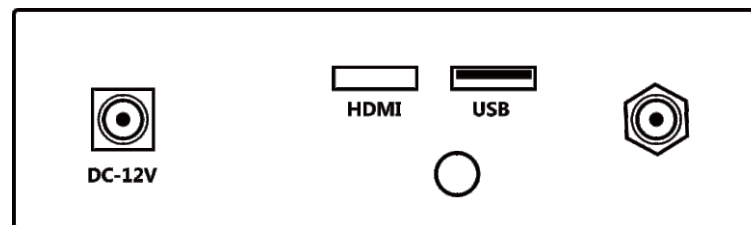


图5.2.3.1 接收端右侧面接口示意图

DC-12V接口：设备供电电源接口，接入12V直流电源。

HDMI接口：与显示器的视频连接接口。

USB接口：功能暂无，预留接口。

## 5.2.4正面接口说明



图5.2.4.1 接收端正面示意图

散热通风口：右上角为散热口，注意安装时不要有任何物品覆盖到上面，保证正常散热。

INFO按键：参数信息显示开关。

POWER按键：用于切换图传发射功率，循环切换方式，每次按键切换一次。

AUDIO按键：音频开关。

VIDEO按键：用于切换画质，有4个档位画质，循环切换方式，每次按键切换一次。

## 6. 安装说明

### 6.1 发射端安装

#### 6.1.1 天线安装

准备两根发射端天线，确保天线拧紧。

#### 6.1.2 HDMI线安装

将HDMI线一端接相机，另一端接发射端。

#### 6.1.3 电源安装

发射端支持两种供电方式：电池供电和直流电源供电。

电池兼容SONY NP-F970/770电池。

直流电源供电为DC-12V电源，建议电流输出能力 $\geq 1A$ 。

请根据需要选择对应的电源进行供电。

#### 6.1.4 电池安装

电池兼容SONY NP-F970/770电池。

### 6.2 接收端安装

#### 6.2.1 天线安装

准备接收端配套的两种天线各两根（共四根天线），根据下图安装到地面端，拧紧天线。

注意：

接收端和发射端天线平行且都垂直于地面会获得最佳的效果。

使用时请参考下图

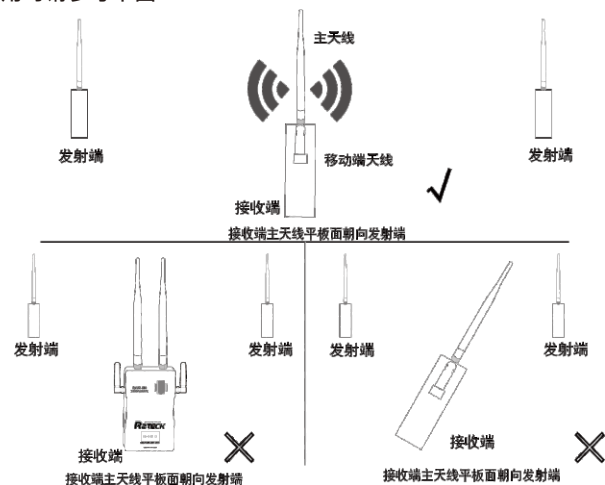


图6.2.1.1 天线安装示意图

## 6.2.2 HDMI线安装

将配套的HDMI线一端接显示器，另一端接接收端。

## 6.2.3 电源安装

接收端支持两种供电方式：电池供电和直流电源供电。

电池兼容SONY NP-F970/770电池。

直流电源供电为DC-12V电源，建议电流输出能力 $\geq 1A$ 。

请根据需要选择对应的电源进行供电。

# 7.对码及频率切换设置

## 7.1 频率切换功能

该功能在发射端或接收端都可以完成，不需要两端同时进行，但使用接收端进行修改时，要确保处于正常工作状态，有视频画面显示。

FREQUENCY SWITCH按键：

有两种切换方式，发射端进行切换或者接收端进行切换，并非两端都要操作。

发射端：正常工作状态下，按键5秒钟以上，三个指示灯（WORK、LINK、HDMI）全灭，然后三个指示灯以0.5Hz的频率闪烁，完成频点切换后对应LED指示灯恢复正常功能指示，画面显示对应的频点。

接收端：正常工作状态下，待两端建立连接，且画面正常显示状态下，按键5秒钟以上，四个指示灯（WORK、LINK、HDMI、MOBILE）全灭，然后四个指示灯以0.5Hz的频率闪烁，完成频点切换后对应LED指示灯恢复正常功能指示，画面显示对应的频点。

## 7.2对码功能

功能说明：对码功能将设备设定独立的配对ID码完成一对一的设备配对。

操作方法：设备LED均处于正常显示状态下，同时按下发射端和接收端BIND键5S后，所有灯熄灭，松开按键。所有LED指示灯以跑马灯形式进行显示，表示设备进入对码过程。待两端指示灯恢复正常显示后表明对码设置完成。

注意：

- 1.如果发射端和接收端配置处于正常连接状态进行该操作，配对过程中会出现画面暂时性的停顿两次，待对码完成，画面恢复正常显示。
- 2.对码功能设置后的发射端和接收端只能进行一对一连接。对码过程需要发射端和接收端同时进行操作，为避免设备间误配对，建议将其他设备关闭。
- 3.发射端和接收端的所有按键在设备启动30秒后有效，在之前按键所有指示灯会高速闪烁予以提示当前按键处于无效状态。

# 8.APP使用说明

## 8.1 INFO设置

点击设置菜单INFO选项，可以分别选择“开”和“关”，对应显示屏以及移动端的INFO内容相应的“显示”和“不显示”。



图8.1.1 APP软件OSD设置示意图

## 8.2功率设置

点击设置菜单功率选项，可以进行功率设置，如点击100mw，其后画面右上角显示“PW: 100 OK”，表示功率设置成功，之后恢复正常功率显示“PW: 100”。

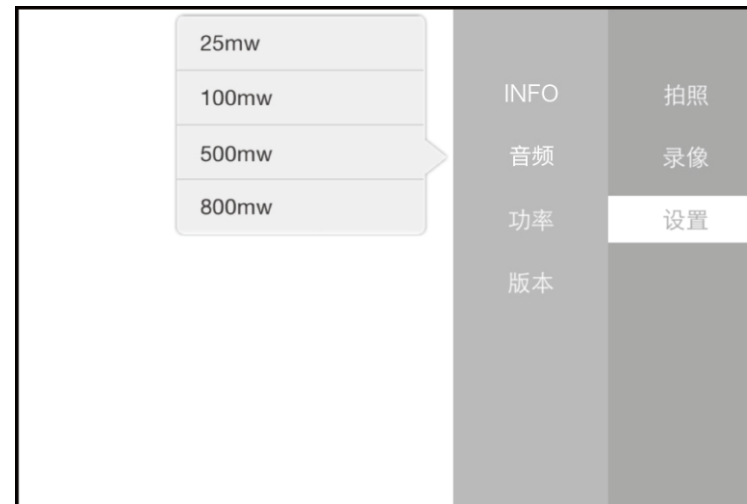


图8.2.1 APP软件功率设置示意图

## 9.故障处理

本章介绍关于高清视频传输设备DETC-206在维护方面用户应了解的信息，以帮助用户在没有专业测试设备与技术的情况下，判定一些常见故障，解决一些维护和使用中常见的问题。

### 9.1故障现象与其原因及处理方法

表9.1.1故障原因及处理方法

故障现象	原因	处理方法	
没有画面显示	步骤操作不当	请按照第1章顺序进行操作	
	发射端设备工作异常	HDMI指示灯闪烁	1. 视频格式不支持请确认相机是否在DETC-206支持清单中并重新设定相机视频格式，详细列表见附录。 2. 与相机连接的HDMI线接触不良，请重新连接HDMI线。
		HDMI指示灯不亮	与相机连接的HDMI线接触不良，请重新连接HDMI线。
		WORK指示灯不正常提示(非从亮到暗循环显示)	请重新上电
		LINK指示灯不亮	请重新上电
	接收端设备工作异常	HDMI指示灯不亮	与相机连接的HDMI线接触不良，请重新连接HDMI线。
		WORK指示灯不正常提示(非从亮到暗循环显示)	请重新上电
		LINK指示灯不亮	请重新上电
	对码异常	LINK指示灯不亮	重新进行对码操作。 操作及注意事项见第4章说明。
	蓝屏	发射端HDMI接触不良	请确认HDMI数据线正常及HDMI线与设备间连接正常。
画面显示卡顿	HDMI线故障	请更换HDMI线进行确认	
	传输距离超出范围	请拉近距离到产品允许范围以内	

## 10.附录

### 10.1 视频输入源要求

信号类型	视频制式	分辨率	备注
HDMI	PAL, NTSC	1080p@60fps	每种分辨率之间不能动态切换，切换后需要重启天端和地面端。
		1080p@50fps	
		1080p@25fps	
		1080i@60fps	
		1080i@50fps	
		720p@60fps	
		720p@50fps	
		720p@25fps	

表10.1.1 视频参数说明

### 10.2 显示器OSD显示内容说明

显示器除了显示视频图像外，在显示器的上边界和下边界显示了INFO的相关数据信息。上边界部分为发射端相关信息，下边界为接收端相关信息。



:视频信号强度



: 发射端供电电压

POWER: 发射功率大小



: 当前频点



: 接收端供电电压



: 当前画质



: 音频开关状态

## 11.联系信息

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