Wireless Transmission System

TRANSMITTER

HDMI OUT

HDMI IN

SDI IN

RECEIVER

HDMI OUT 1

HDMI OUT 2

SDI OUT
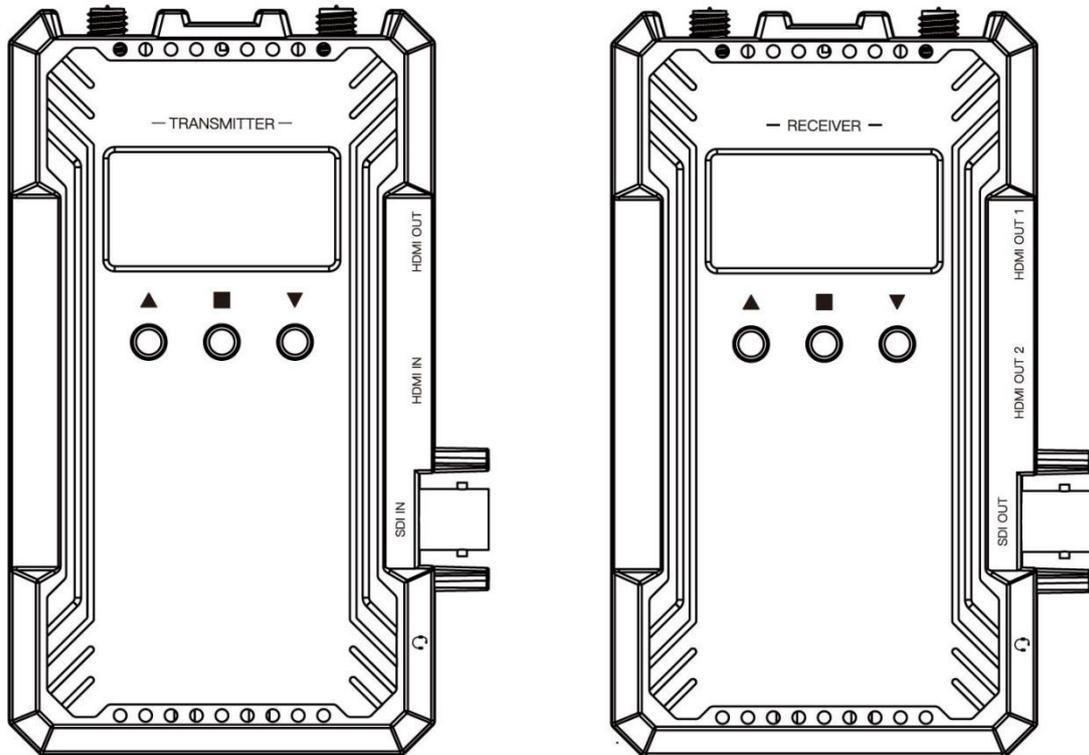
User Manual

Foreword

Thank you for purchasing wireless video transmission system. Please read this manual carefully before using the product, wish you a happy experience!

■ Caution

● Do not expose this device to extreme hot, cold, dusty or humid environments.

● Do not scratch the device with sharp objects

● Do not drop this device from high place, as this may cause hardware damage.

● This device is designed for non-water proofing. Please do not allow any liquid to penetrate into the device.

● Do not attempt dismantle, open or repair this device by non-technical person, as this may cause permanent damage to the device.

■ Features

● Dual HDMI & SDI (optional) signal interfaces

● Transmission range up to 1000ft, with ultra-low latency 0.08S

● Up to 1080P60Hz

● The transmitter can be switched as a receiver at will.

● Wireless full-duplex talkback, real-time intercom between the director and the photographer.

● One TX to multiple RX

● Support APP monitoring for Android/IOS system.

● 13 frequency channels, AUTO channel scan.

Content

Product Introduction

Full duplex intercom wireless video transmission system including TX and RX integrated with intercom which enable communication between the director and the photographer as well as wireless video transmission system functions, save your time and costs to set an extra intercom system. Support SDI (optional) and dual HDMI wirelessly transmission range in 300 meters (max 400m) with 0.08S ultra-low latency.

Up to 1080P/60Hz, provide higher quality image. Support one transmitter to multiple receivers, the transmitter can be switched as a receiver at will. OLED screen show link status, signal strength, video format, intercom mode, battery level, temperature, fan status, etc. information. Android/iOS system APP monitoring; NP-F battery, Type-C and DC power supply ways.

Ideal for filmmaking, sport events, wedding live broadcast, etc.

Installation Instruction

Power Bank

The best reception angel
(transmitter and receiver face-to-face)

USB Cable

Transmitter

Receiver

F970 Battery

VIDEO OUT

Suggest installing receiver 2+ meters high from the ground

Monitor

Director

VIDEO IN

Suggest installing transmitter 1.7+ meters high from the ground

Cameraman

Camera

Ground
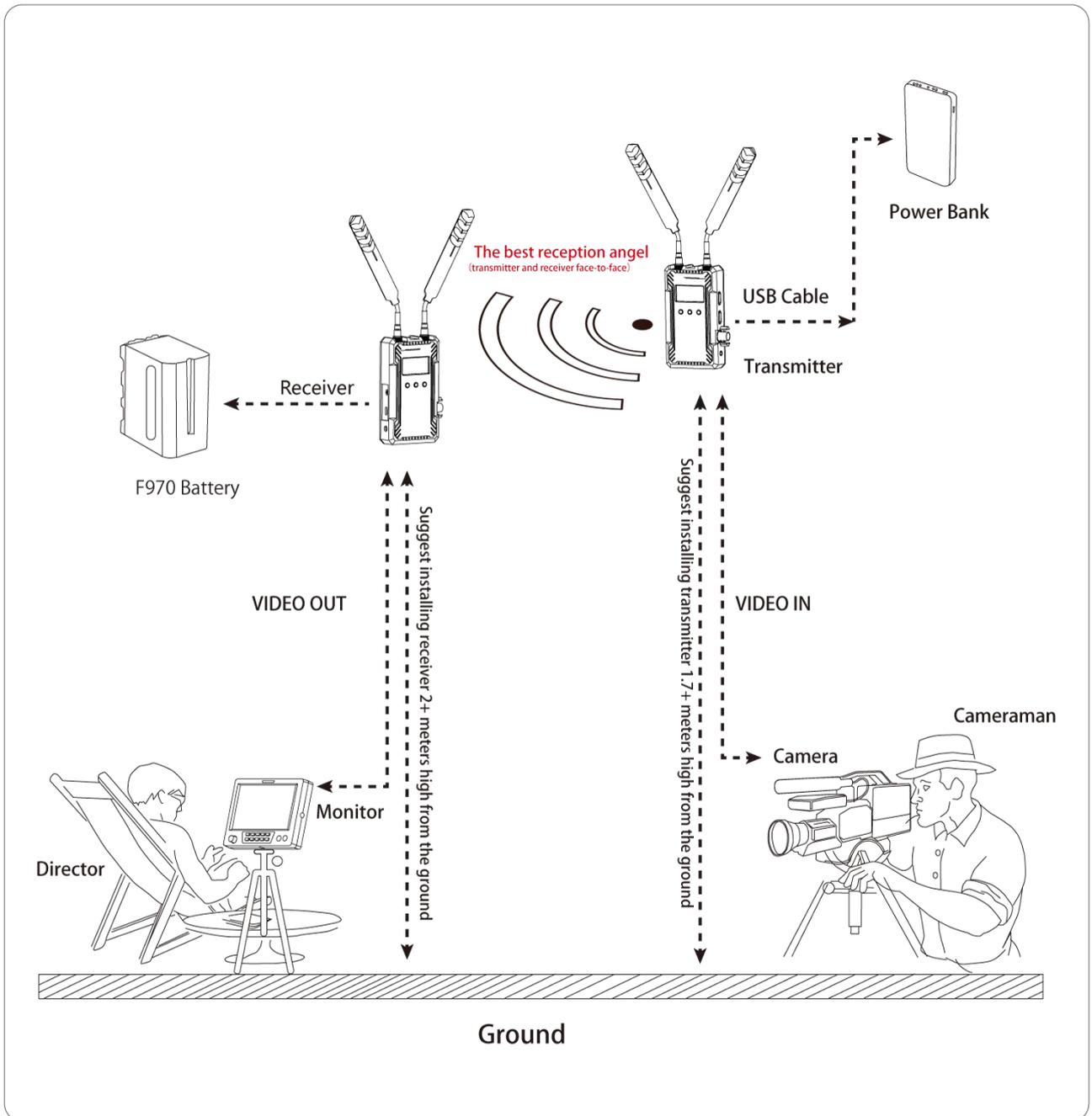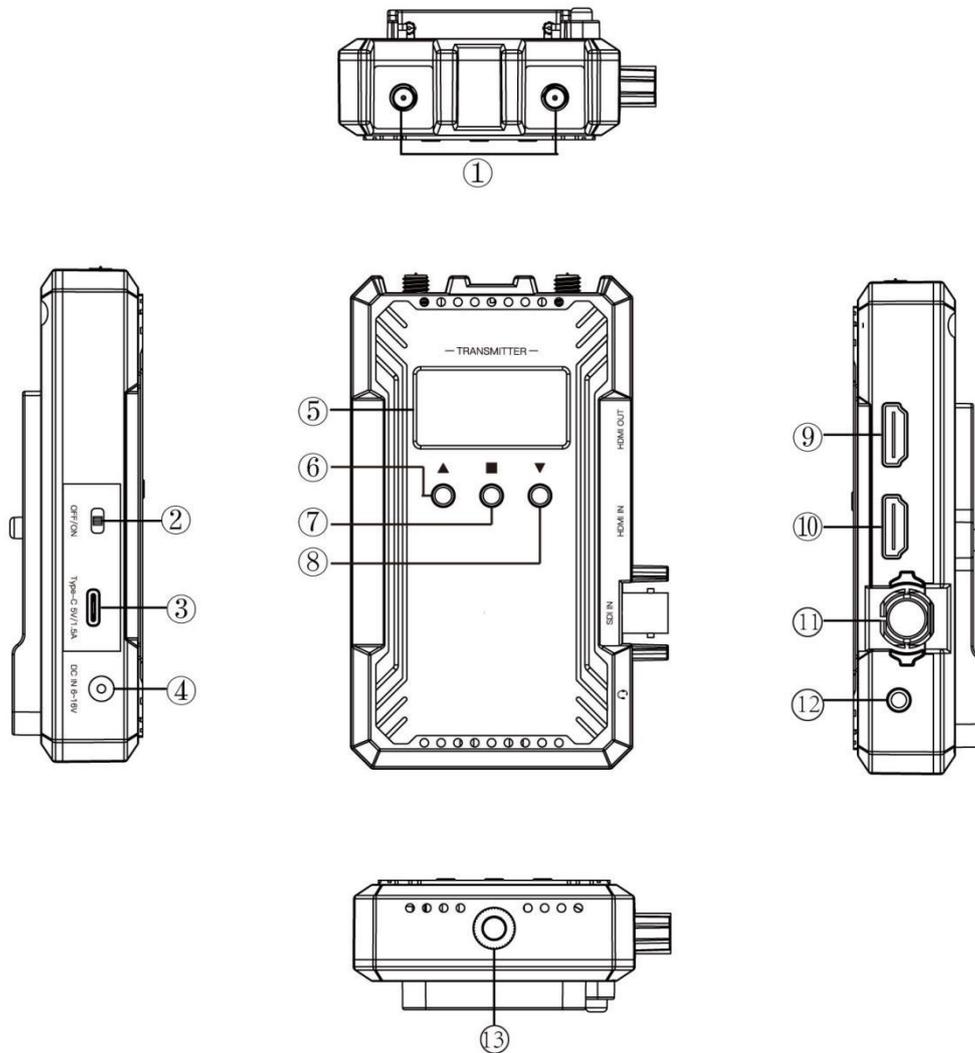
Transmitter

①: Antenna Ports

②: Power OFF/ON

③: Type-C Power Input/Upgrade

④: DC Power IN

⑤: OLED Screen

⑥: UP button

⑦: OK button

⑧: DOWN button

⑨: HDMI Signal Output

⑩: HDMI Signal Input

⑪: SDI Signal Input（optional）

⑫: 3.5mm Earphone Port

⑬: 1/4 Screw Hole

Port Instruction
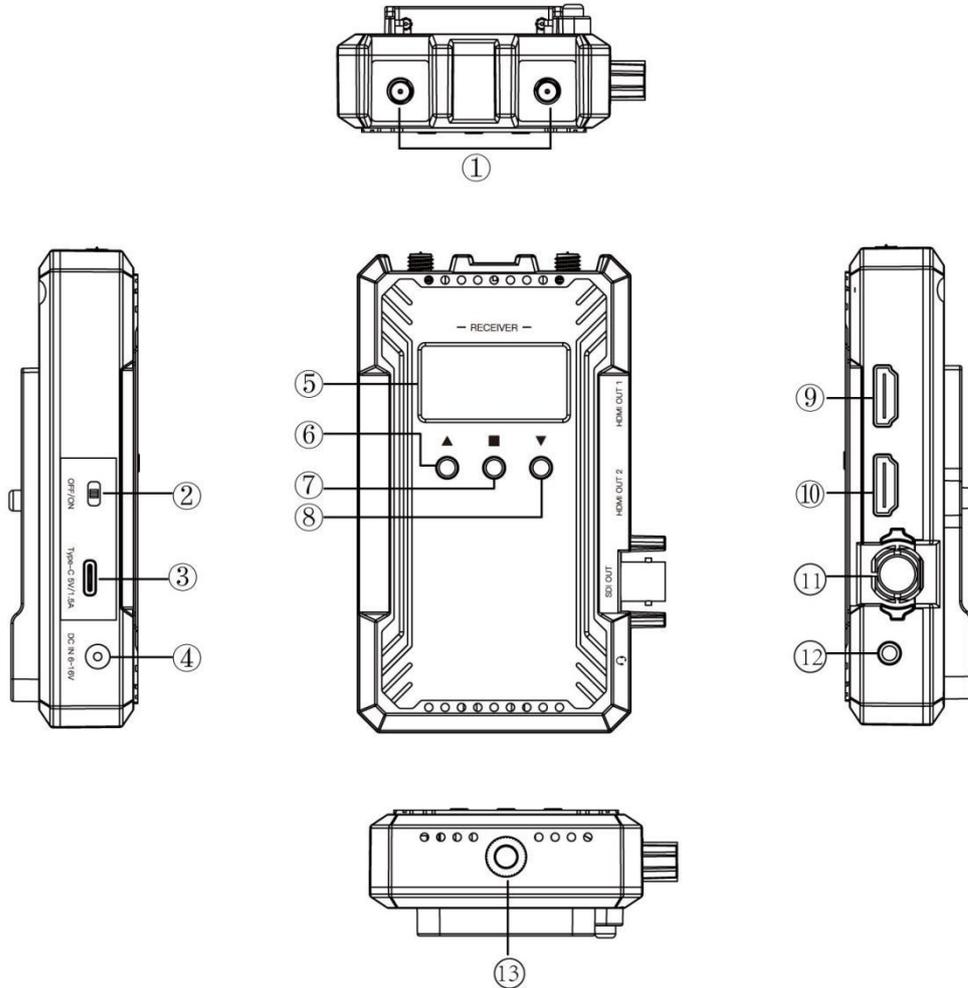
Receiver

①: Antenna Ports

②: Power OFF/ON

③: Type-C Power Input/Upgrade

④: DC Power IN

⑤: OLED Screen

⑥: UP button

⑦: OK/MENU button

⑧: DOWN button

⑨: HDMI Signal Output1

⑩: HDMI Signal Output2

⑪: SDI Signal Output(optional)

⑫: 3.5mm Earphone Port

⑬: 1/4 Screw Hole

1. Startup Screen

The startup screen is as above. When the device runs, the main menu will display.

2. Main Menu

Main menu including channel, device type(TX/RX), link status, signal strength, video format, intercom mode, battery level, temperature, fan status, etc. information.
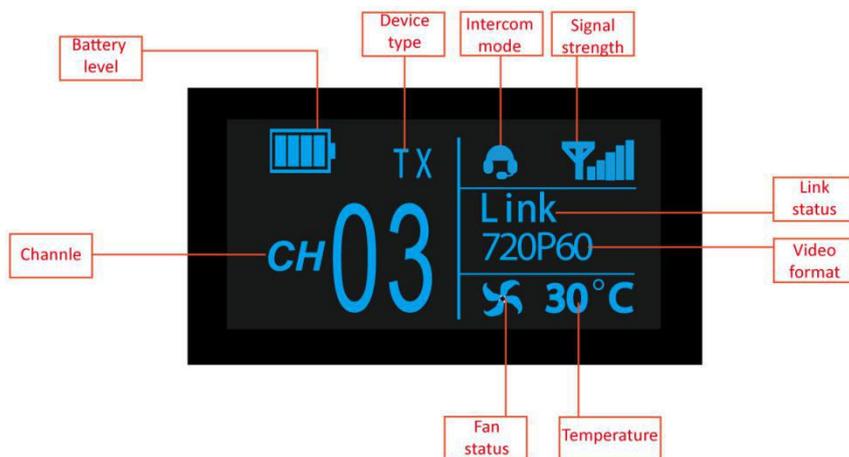
1) Channel switch: press"△"or"▽"to change channels. Press"□"to confirm the channel.

2) Long press"△"on the transmitter, the screen will display device name and password. Long press"△"on the receiver, the screen will also display device name and password if it is connected to transmitter.

3. Secondary Menu

Long press"□"for 2 seconds to enter into the secondary menu.

Long press"□"for 2 seconds again to back to the secondary menu.

Press"△"or"▽"to switch the options in secondary menu and

press"□"to confirm selection.

1) Device (transmitter only): device type

Switch TX (transmitter) and RX (receiver) manually.
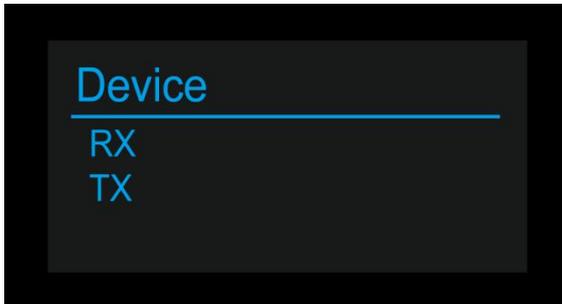
2) Source (transmitter with SDI port only): signal source

Switch the signal source between HDMI and SDI on transmitter. SDI input

is selected by default if both HDMI and SDI sources are connected.
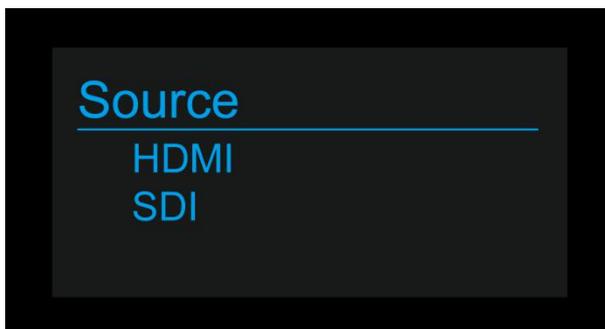
3) FAN status

Turn on or off the fan manually

```
FAN Status
    OFF
    ON
```
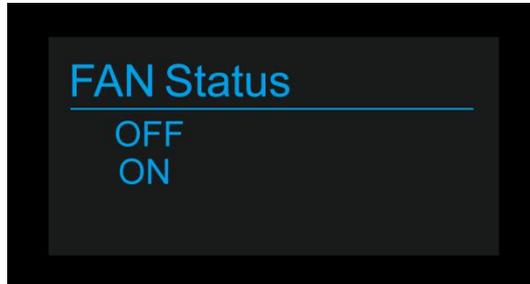
4) Intercom

Switch between Full Duplex, TD mode(TD speak, Cameraman listen),

OFF(turn off intercom)

```
Intercom
    Full Duplex
    TD mode
    OFF
```
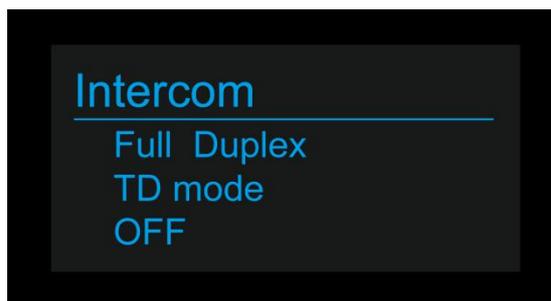
5) WPS: pairing

To pair transmitter and receiver

```
WPS Mode
        ON/OFF
```
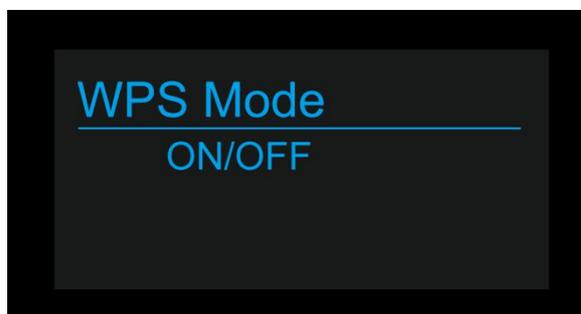
6）Priority

Choose high image quality prior or low latency prior.
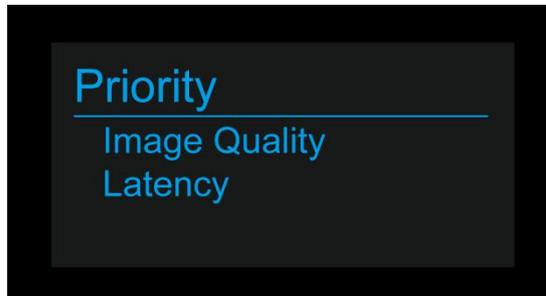
7）WIFI_SSDI

Showing device name and password

8）Version

Showing the device's version number
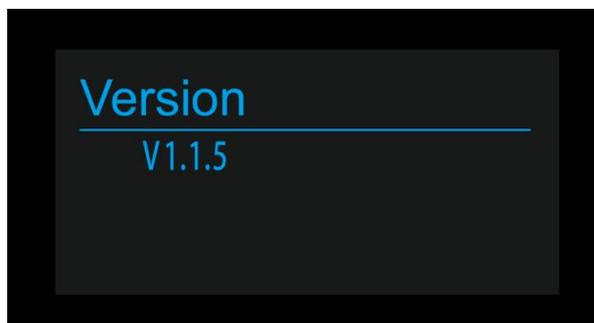
9）IP: IP address (routeIP/staticIP)

IP
　　routeIP
　　staticIP
　　192.168.11.111
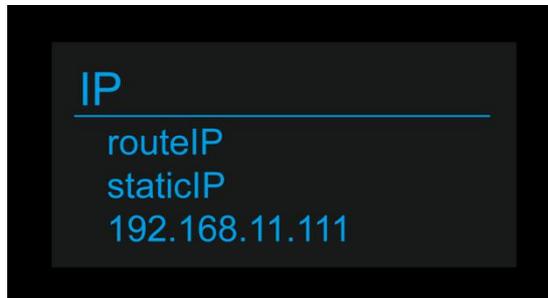
APP Operation Instruction

1. APP Download

iOS APP Download

 iOS user search "LAIZESKE"

Android APP Download

 Scan the QR code to download the APP

2. Connect smart devices to transmitter

After the transmitter is powered on, go to Setting-Wireless & networks

on smartphone/tablet, select the transmitter's name and input the

password to connect the devices. Please find the transmitter's name and

initial password as below. Then go to APP home page and click "Video"

to monitor.

(Note: No need to input password again if it was saved on smart

phone/tablet)

Device name: XWMI_5G_XXXX

Password: 12345678

3. APP Operation

a. Click "Video" on home page to

enter into monitoring mode.

b. Click "∨" at the bottom of screen. It will show SAVE IMAGE, RECORD

(only available for Android at present), MATERIAL, CONFIGURATION.

Long press the screen to show up the professional monitoring menu. Monochrome, False Color, Center Marker are available at present, more features are developing.
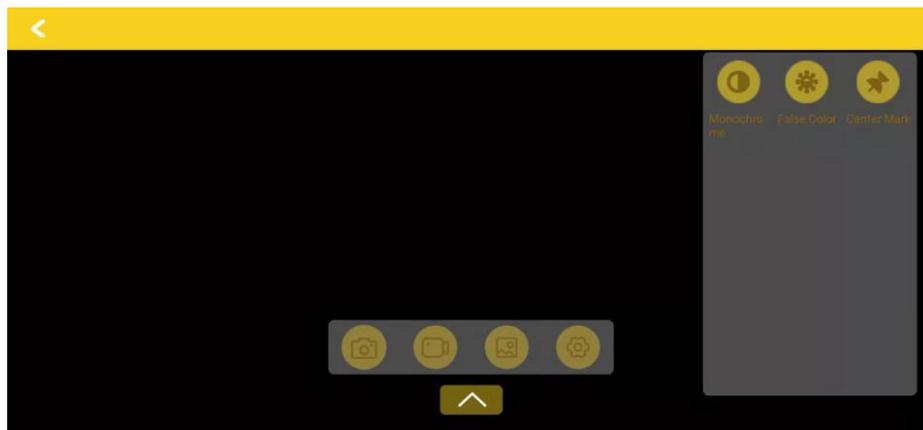
c. Click "Material"to check the images and videos saved on smartphone/tablet.

d. Click " Configuration"to access configuration screen.

e. Click 英文版/Chinese Version at the bottom of home page to change language.

Parameter

	Transmitter	Receiver
Screen	OLED	OLED
Interface	1 * SDI input (optional) 1 * HDMI input, 1* HDMI output 2 *Antenna port （RP-SMA Male） DC power input 3.5mm headphone jack Type-C	2* HDMI output 1* SDI output (optional) 2 *Antenna port （RP-SMA Male） DC power input 3.5mm headphone jack Type-C
Power Supply Way/Voltage Range	F970 battery Type-C: 5V/1.5A DC adapter: 6-16V	F970 battery Type-C: 5V/1.5A DC adapter: 6-16V
Power Consumption	<7.5W	<6.5W
HDMI Input/Output Video Format	480P60, 576P60 720P60/59.94/50 1080P60/59.94/50/30/29.97/25/24/23.98 1080I60/59.94/50 HDMI Type A	480P60, 576P60 720P60/59.94/50 1080P60/59.94/50/30/29.97/25/24/23.98 1080I60/59.94/50 HDMI Type A
SDI Input/Output Video Format	480P60, 576P60 720P60/59.94/50 1080P60/59.94/50/30/29.97/25/24/23.98 1080I60/59.94/50 1*BNC	480P60, 576P60 720P60/59.94/50 1080P60/59.94/50/30/29.97/25/24/23.98 1080I60/59.94/50 1*BNC
Frequency	5.1-5.9GHz	5.1-5.9GHz
Modulation Mode	OFDM	OFDM
Transmission Power	Maximum 17dBm	/
Receiving Sensitivity	/	-87dBm
Band Width	20MHZ	20MHZ
Latency	Min0.08S	Min0.08S
Intercom Frequency Response Range	20Hz~20KHz	20Hz~20KHz
Operating Temperature	0℃ ～ 40℃	0℃ ～ 40℃
Storage Temperature	-20℃ ～ 60℃	-20℃ ～ 60℃
Unit Size(mm)	67L*24W*118H (excluding antenna)	67L*24W*118H （excluding antenna)
Unit Weight	128g	128g

Frequency Chart

Device Channel	WiFi Channel	Frequency/MHz
1	36	5180
2	38	5190
3	40	5200
4	44	5220
5	46	5230
6	48	5240
7	149	5745
8	153	5765
9	155	5775
10	157	5785
11	159	5795
12	161	5805
13	165	5825