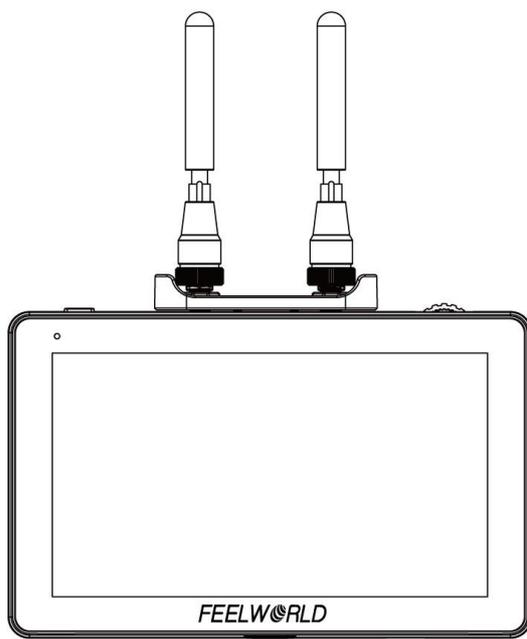# FEELWORLD *FT6 FR6*
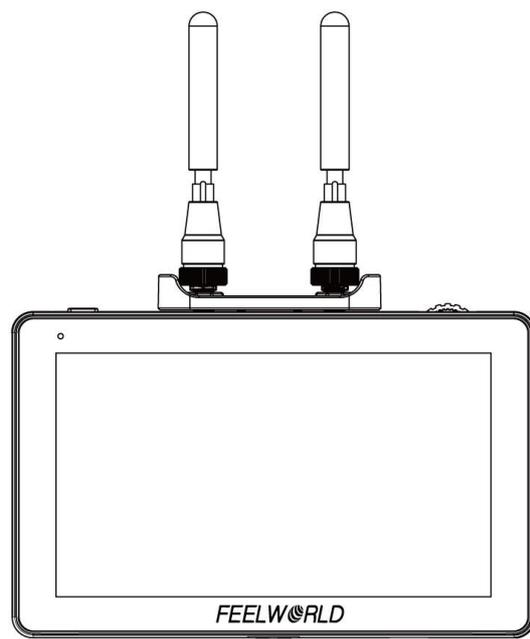
5.5" Wireless Monitor Kit

HDMI/3D LUT/HDR

TX: FT6   RX: FR6

User Manual

Overview

Thank you for purchasing our wireless monitor kit. The kit is a set of touch-screen monitors with built-in wireless modules. It supports the resolution format of up to 1080P/60Hz in wireless mode. It comes with H.264 codec to enable clearer video and lower latency.

Full HD color LCD monitor, which adopts advanced integrated DSP circuits and energy-efficient IPS LED panel, delivers low power consumption and stable performance. The kit comes with HDMI input and output, reverse power(to cameras), touch screen, supporting 3D LUT and HDR. It is portable, user-friendly. A wide variety of advanced features is included, such as Histogram, Audio Meter, Focus Assist, False Color, Zebra Exposure, Anamorphic.

The kit comes with dual battery slot, you can use the power adapter or the external battery as power source.

⚠ **To insure the best use of the unit, please read the user's manual carefully**

CAUTION

- This product should not be exposed dripping or splashing.
- Please place the wireless monitor on a flat with hard and stable surface.
- In order to reduce the risk of electric shock of fire, please do not expose the receiver/ transmitter to rain or moisture.
- Please avoid the heavy impact and drop onto the ground when move the product.

- The screen of this product is made of glass. Please do not drop the screen towards the ground. Keep away from injury if the screen is broken.

- Keep the product away from the heat source, and avoid the prolonged exposures to the sun as the LCD screen will be damaged.

- To avoid damaging the product, please do not take apart or repair the unit by yourself without the adjustable components in the unit.

- In order to better maintain the LCD screen and protect the cover, please follow the following ways to avoid damages.

  1. Please refrain from using the hard objects to hit the screen.
  2. Please do not force to wipe the screen.
  3. Please do not use the chemical solutions to clean the screen.
  4. Please do not spray any detergent on the screen.
  5. Please do not write on the screen directly.
  6. Please do not stick on the screen.
  7. Please simply wipe with a clean soft cloth and make sure no water on the screen.

Special Notice

- The impact of radio waves (such as the following environment may cause the abnormal audio and video (blocked image, noise...etc.).

  1) Transmit near the wall which is hard for the radio waves to get through.

  2) Quite close to the refrigerator, metal fitment and appliances, or net to the crowded situation.

- This product has been tested and manufactured to comply with national electrical safety rules, however, there will be noise caused by

the interference with other machines in rare cased. If the interference is happened, please keep a certain distance away from other machines.

- The product is susceptible to interference from 5GHz wireless local area network or other wireless devices.

- Optimal range between transmitter and receiver is between 1 meter and 30 meters with in line of sight indoor.

- It will take 30-40 seconds to boot the system before wireless communication start, the media receiver can not be operated during this time.
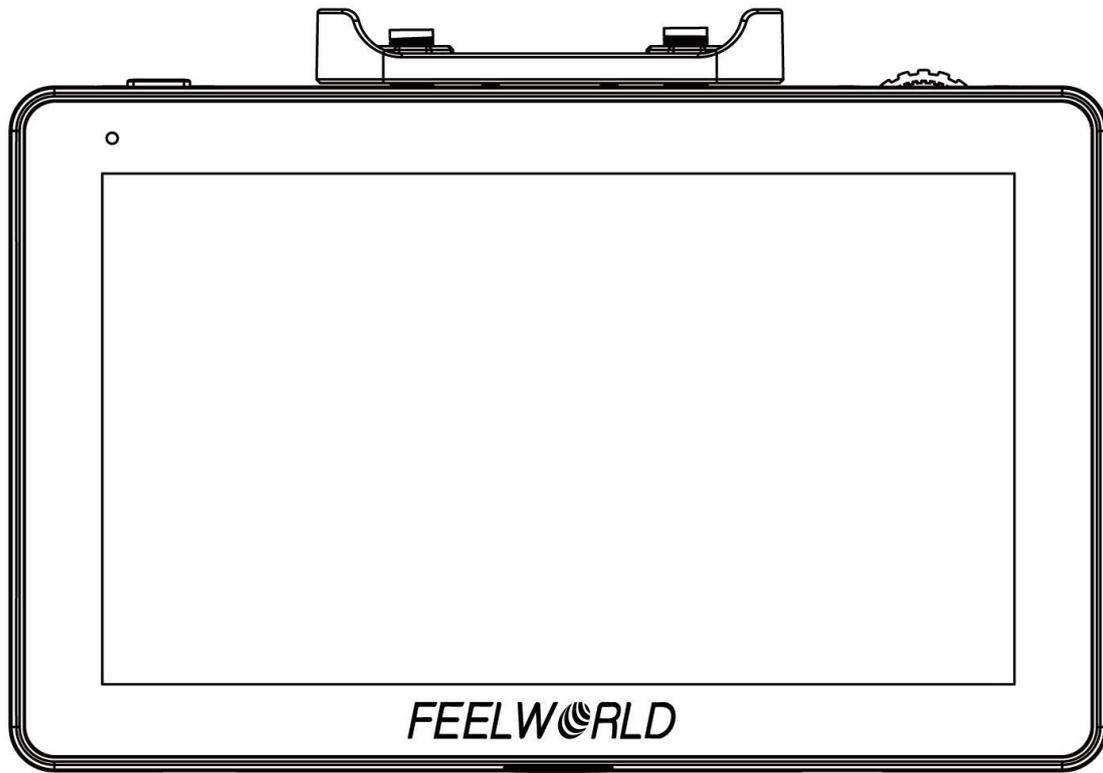
Features

- Transmission range up to 250m/800ft (LoS);
- Ultra-low latency: 70ms;
- Up to 1080P60Hz;
- Support APP monitoring;
- Selectable channels to minimize interference;
- Both the TX monitor and RX monitor support HDMI IN and HDMI OUT, a second monitor can be working via HDMI LOOP OUT;
- Can work as a monitor alone if the wireless module is deactivated;
- 5.5 inches 1920x1080 full HD IPS screen with touch function;
- Support 3D LUT;
- Support HDR monitoring;
- A panoply of auxiliary functions, including histogram, focus assist and many others, enabling optimized exposure and focus;
- DC8V power out to power your cameras;
- Attachable sunshade ensure better viewing in bright sunlight.
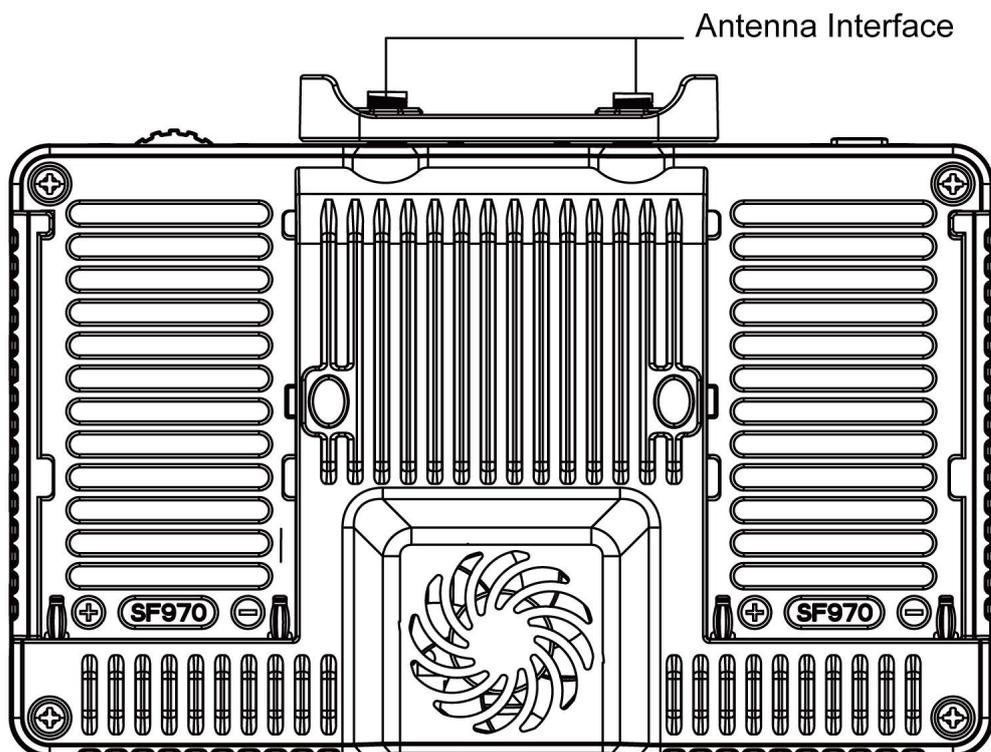
CONTENTS

1. Product Layout

● **Front**

● **Back**

Antenna Interface
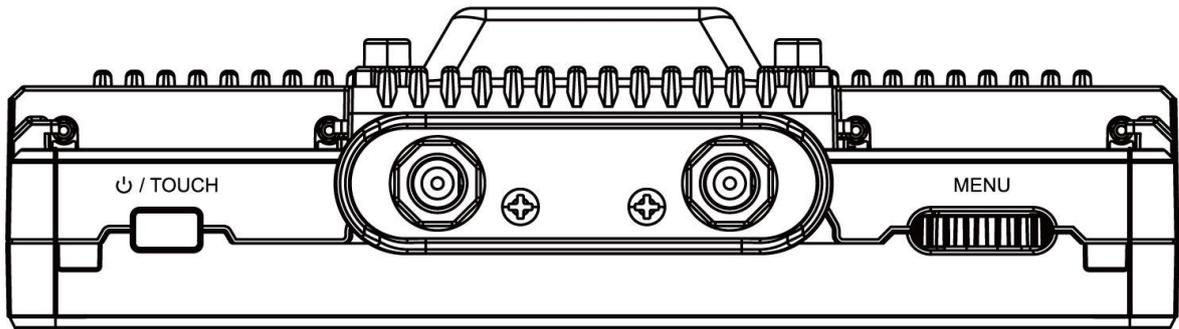
1.1 Button Instruction

⏻ / TOUCH **:** Long press to turn on and off the power; short press to turn on and off the screen touch function

MENU: Long press to open the main menu and short press to open the shortcut menu. Rotate the wheel to select a menu item, press it again to open the corresponding menu function.

(See details: **2.Menu Operation Instruction**)

1.2 Interface (Bottom)
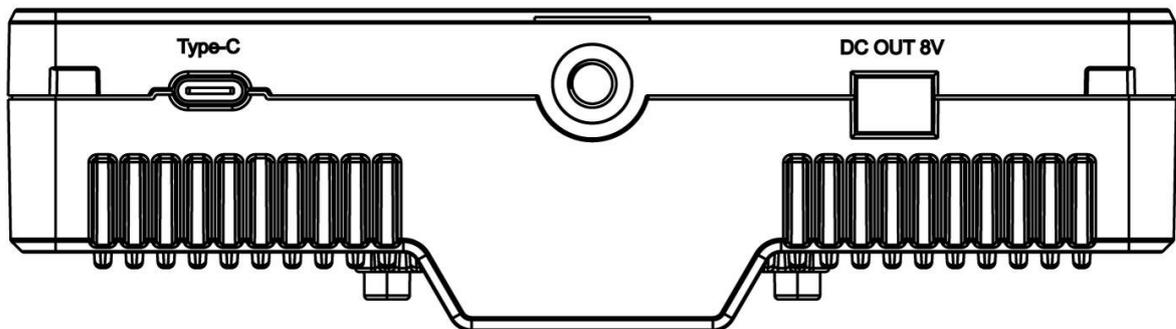
Type-C: For 3DLUT upload via type-c to USB and for firmware upgrade

DC OUT 8V: DC power output interface, polarity as the output power

Barrel output for powering your camera with a separately available

DC coupler via adaptor (NP-FW50 Sony & LP-E6

Canon&DMW-BLF19 Panasonic). More adapters coming soon.

1.3 Interface (Right)
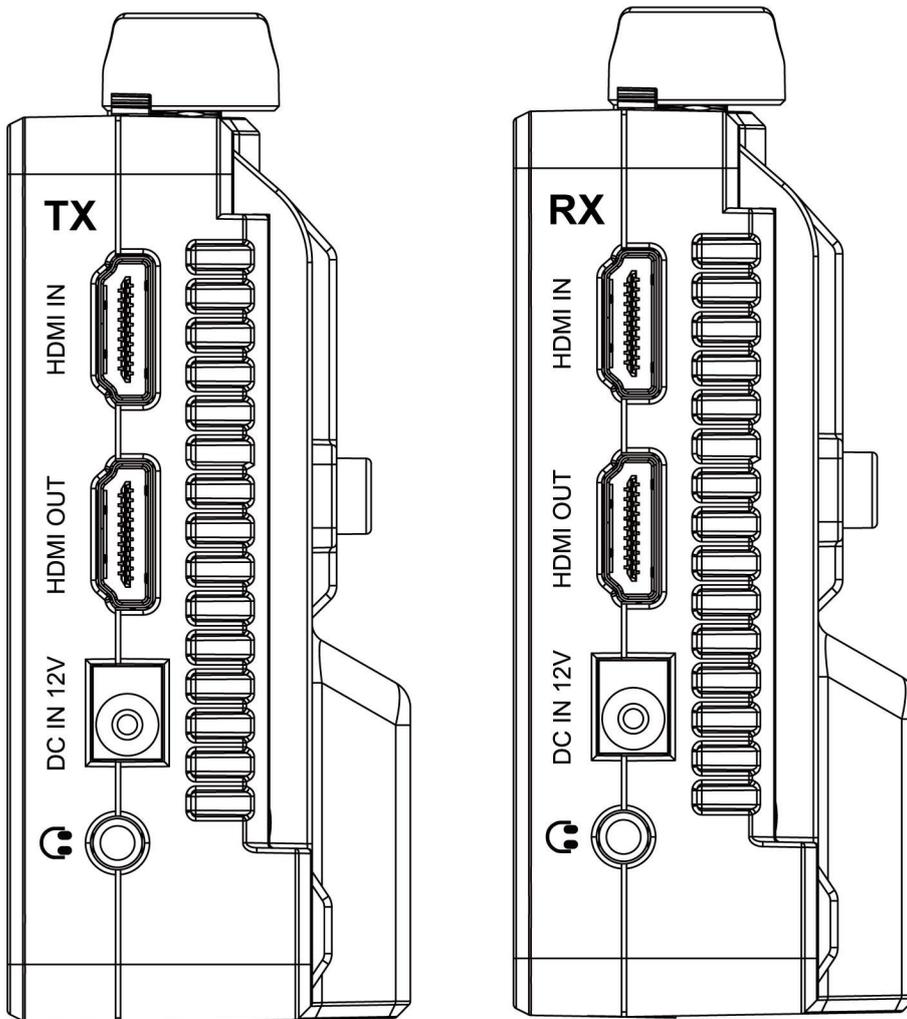
TX: Transmitter

RX: Receiver

HDMI IN: 1.4, HDMI signal input

HDMI OUT: 1.4, HDMI signal output

DC IN 12V: DC power input, polarity as the input power

🎧 : 3.5mm earphone port output

1.4 Power Supply Way

(1) The rear cover of the monitor is equipped with F970 dual battery

plates, which is applicable to F970 series of batteries.

● **Sony F970 battery plate for battery of Sony DV:**

Sony F970 F960 F950 F930 F770 F750 F730 F570 F550 F530

series

●**Battery switching instruction**

➢ When the battery/batteries is/are placed in the battery slot(s), battery

icon will appear on the upper right of the screen.

➢ White battery icon: working; Gray battery icon: not working.

➢ Double-tap the gray battery icon and it will be switched to a working

state in about 3 seconds, then it will be turned white.

(2) Barrel (5.5mm outer, 2.1mm inner) at the right of the

monitor, DC 7~24V Input.

Remark: It is recommended to use standard original F970 batteries.

Different specifications of the battery have different capability. The

working time for the monitor will be different. Higher capability

(working time) will be longer. Please take off the battery from the

monitor if you don't use the monitor in a long time.

The battery not including, please purchase separately.

1.5 Mounting

There is a ¼-20 thread point on bottom can be easily connected to the hot shoe mount, tripod fixed installation.
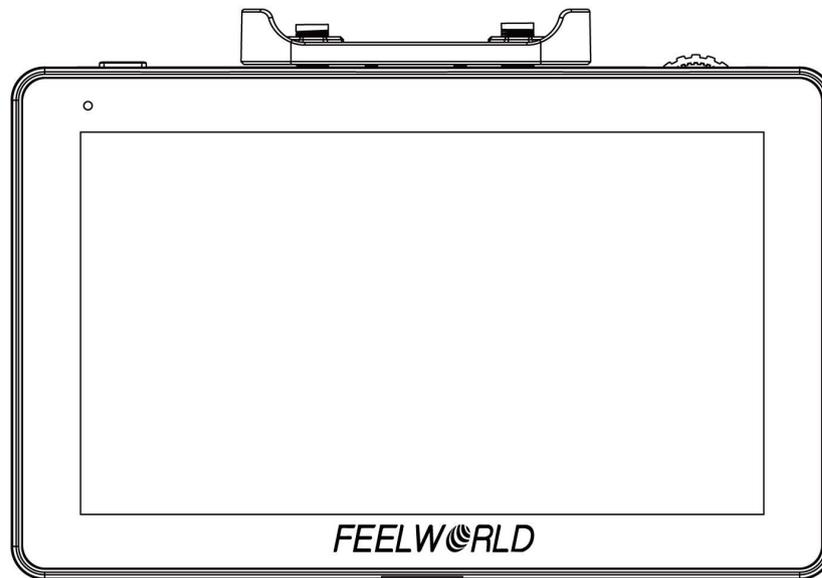
1/4-20 thread point

1.6 Sunshade

① **Sunshade**   ② **Sunshade Frame**

③ **Fixed Frame**   ④ **Sunshade Application**

First lock the Sunshade Frame ②with the monitor tightly ③.

Unfold the sunshade ①, and attach the Velcro part of the Sunshade to the Sunshade frame ②, make sure they are tightly secured, and then complete the sunshade installation ④.

2. Menu Operation Instruction

After the monitor is properly connected to the power supply, the indicator light is on (red). Press ⏻ / TOUCH button to turn on the monitor power. The indicator light turns yellow. After inputting the HDMI signal, the indicator light turns from yellow to green.

After startup, short press ⏻ / TOUCH to select to turn the screen touch function on or off.

After the TX monitor input the HDMI signal, the RX monitor will receive the signal from it. Swipe from the right side of the screen to left to access channel menu including switch, signal, 9 channels and WPS pairing. Long press ⏻ until it turns red to turn off the wireless function.

Note: there are channel 10,11 for option.

WPS pairing:

When there is a need to replace the transmitter or receiver, please tap and hold WPS of both the transmitter and receiver about 1 second to enter the pairing mode, and wait for the pairing to success.
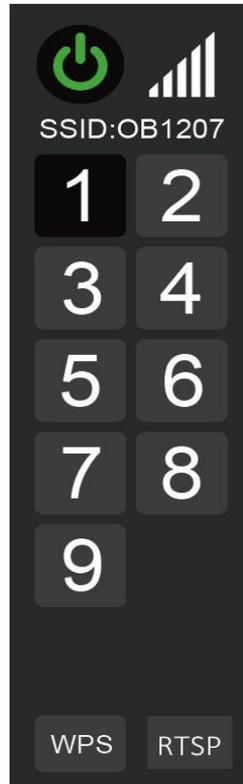
(1). Directly touch the screen for menu operation (turn on the screen touch function)

①. Double tap the screen to start the main menu and tap the relevant option to enter the sub menu. You can select the needed option and tap "<" or ">" to enable or disable it. Exit the menu by taping the ⮌ or tap away.

②. Swipe up to start the shortcut menu and select the relevant tool, then tap the "<" or ">" to enable it.

③. Swipe up and down to adjust the backlight on the left side of the screen (1/2 split screen) or volume on the right side of the screen.

④. Swipe from Right to Left to access the channel Menu. There are 9 channels for selection.

⑤. Tap away to exit.

Figure:
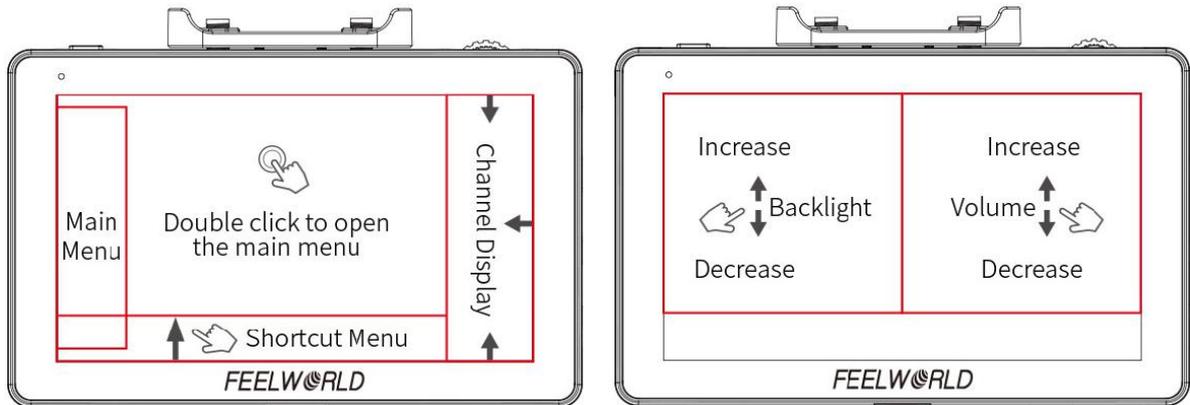
(2) Wheel Operation

①. When the menu is not displayed, directly rotate the wheel to backlight or volume adjustment. The wheel option can be set to backlight or volume in the menu ⚙.

②. Long press the MENU wheel to open the main menu (on the left side of the screen). Rotate the wheel to select the secondary function menu. After selecting it, press the wheel, then rotate the wheel to select or set the option function.

③. Short press the MENU wheel to open the shortcut menu (below the screen), rotate the wheel to select the shortcut menu option, press the wheel to directly turn on/off the function, if you press the parameter selection, repeat the above operation. The shortcut

menu will automatically exit after about 5 seconds without operation.

3. RTSP Mode Operation

①. APP download (FEELWORLD Wireless)

Android

Enter the FT6 FR6 page at www.feelworld.cn, then get the APP (FEELWORLD Wireless) to download.

iOS

Please search "FEELWORLD Wireless" to download in APP store.

②. Power on transmitter and select the CH5-CH9.

③. Tap and hold the RTSP of transmitter about 3 seconds to enter the RTSP mode.（The RTSP frame shows black）

④. Open the APP of FEELWORLD Wireless, and connect the FT6 &
FR6 Wi-Fi.

⑤. Navigate to the WLAN Setting page and select the SSID (AP), which
starts with "FW" to connect. The SSID(AP) is shown on the top of the
channel menu.

⑥. Input the password (12345678) and select "CONNECT".

⑦. After the connection is successful, reopen the APP, enter the "FT6 &
FR6" page to select the connection (the "Connection" icon shows red),
then receive the real-time video.

⑧. Interfaces：Lock Screen, Brightness, Waveform, Focus Assist, Zebra, Frame Guides, Zoom, False Color, Monochrome, 3D LUT, Audio Meters, Settings, Image Capture, Video Recording, Return, Live Streaming.

⑨. Settings: Channel selection, channel scan, password setting.

Notes:

* Please contact sales person or local agent of FEELWORLD for upgrade files.

* If there are multiple transmitters are used together, please distinguish which transmitter's Wi-Fi the smart-phone/iPad is connected to.

* Please switch the receiver to RTSP mode, which is the same to transmitter. After that, the receiver also can monitor as the same as the smart-phone/iPad.

* Connecting SSID (AP) will cause your Android devices to be unable to access the Internet.

* Please install the new version of APP requires removing the old version.

* APP does not support Android 6.0 and below.

4.Menu Function Instruction

●

All Waves	OFF, ON
Parade	OFF, RGB, YUV, Y
Vector	OFF, ON
Histogram	OFF, ON
Focus Assist	OFF, ON The focus level and focus color items are displayed after the focus assist is turned on.
Focus Level	1～10
Focus Color	yellow, red, green, blue, white
Audio Meter	OFF, ON
Zebra	OFF, ON The zebra value item is displayed only after the zebra is turned on.
Zebra Value	1%～100%
Monochrome	OFF, gray, red, green, blue
False Color	OFF, type 1, type2
Return ←	Please use the scroll wheel to return to the previous menu or click on the main menu directly

● [+]

Nine Grid	OFF, ON
Safety Marker	OFF, 70%, 80%, 90%, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1
Center Marker	OFF, ON
Marker Mat	OFF, 16:9, 16:10, 4:3, 1.85:1, 2.35:1 The Marker Mat Alpha item is displayed after the Marker Mat is turned on.

Marker Mat Alpha	0%, 25%, 50%, 75%
Marker Color	yellow, red, green, blue, white, black
Return ←	Please use the scroll wheel to return to the previous menu or click on the main menu directly

●

Scan Mode	Under Scan, Over Scan
Video Aspect	auto, 16:9, 16:10, 4:3, 5:4, 1.85:1, 2.35:1, stretch, user Under the **user**, you can customize the Video Width (100% ~ 200%), Video Height (100% ~ 200%)
Anamorphic Mode	OFF, 1.25x, 1.33x, 1.5x, 2.0x, 2.0x mag
Auto Mirror	OFF, ON
Flip H	OFF, ON
Flip V	OFF, ON
Zoom Times	OFF, 100%～300%
Freeze	OFF, ON
Pixel to Pixel	OFF, ON
Return ←	Please use the scroll wheel to return to the previous menu or click on the main menu directly

●

HDR	OFF, HLG 2020, HLG 709, HLG P3
Lut Switch	OFF, ON The Lut item is displayed after the Lut Switch is

	turned on.
Lut	SLOG2, SLOG3, LOGC, VLOG
Lut Import (Type-C)	After copying the 3D LUT file to the U disk and inserting it into the Type-C to USB connector, you can click the "<" or ">" key in the Lut Import(Type C) to import the 3D LUT file or rotate the wheel to import the 3D LUT file(up to 50 Luts).
Colortemp	5600K, 6500K, 9300K, user Under the "user" item, the red, green, and blue values of the image can be adjusted.
Backlight	1～100
Brightness	0～100
Contrast	0～100
Saturation	0～100
Hue	0～100
Sharpness	0～100
Return ←	Please use the scroll wheel to return to the previous menu or click on the main menu directly

●

Wheel	Backlight, Volume After selecting the wheel option, you can click the "<" or ">" button in the wheel option, or rotate the wheel to select one of the shortcut keys to set it to the rotary wheel adjustment (when the menu is

	not displayed).
Language	中文, English, 日本語, Deutsch, Français, Italiano, Español, 한국, Pусский
Transparency	OFF, low, middle, high
OSD Time	5s, 10s, 15s, 20s, 25s, always
Touch	OFF, ON Please short press the TOUCH button to turn on the touch function again after choosing turn off
Volume	0〜100
Mute	OFF, ON
Reset	OFF, ON After selecting the reset option, you can click the "<" or ">" key in the reset option or rotate the wheel to restore the factory settings.
Firmware Update	After copying the update file to the U disk and inserting it into Type-C to USB connector, and then connect to the Type-C interface of the monitor, you can click the "<" or ">" key in the firmware update option or rotate the wheel to update.
Return ←	Please use the scroll wheel to return to the previous menu or click on the main menu directly

⚫

⬅	Exit the menu

5.Technical Parameters

Panel Size	5.5" touch screen
Resolution	1920 × 1080 pixels
Frequency	5.1～5.9(GHz)
Audio Format	PCM
System Latency	70ms
Video Compression Format	H.264
Transmission	250m/800ft (open environment)
Antenna Mode	2dBi x 2
Dot Pitch	0.0639 (H) × 0.0213 (W) mm
Pixel Density	400PPI
Aspect Ratio	16:9
Brightness	500cd/m^2
Contrast	1000:1
Viewing Angle	80°/80°(L/R) 80°/80°(U/D)
Backlight	LED
Adjustable Backlight	Yes
Input	HDMI V1.4
Output	HDMI V1.4, 3.5mm stereo headphone jack
Power In	DC IN 12V, Barrel (5.5mm outer, 2.1mm inner)
Power Out	DC OUT 8V, Barrel (5.5mm outer, 2.1mm inner; Power DSLR or mirrorless camera)

HDMI Input/ Output Support Format	Wireless Transmission Turn on 480P,576I,576P,720P60/59.94/50,1080I50/59.94/60 1080p23.98/24/25/29.97/30/50/59.97/60 Wireless Transmission Turn off 480P,576I,576P,720P60/59.94/50,1080I50/59.94/60 1080p23.98/24/25/29.97/30/50/59.97/60 4K UHD 3840×2160p (30/29.97/25/24/23.98Hz) DCI 4K 4096×2160p (24Hz)
Power Input Voltage	7～24V
Power Consumption	≦18W
Unit Size (mm)	148Lx103.5Hx41W (mm)
Unit Weight (excluding antenna)	370g (TX) 370g (RX)
Mount Point	one ¼-20 thread point at the bottom
Working Temperature	-20℃～55℃
Storage Temperature	-30℃～65℃

6.Trouble Shooting

6.1 Only black and white or monochrome image:

① please check saturation, brightness & contrast adjustment.

② Please check "Monochrome" is in black, white or monochrome image or other condition.

6.2 NO Signal after power on

① Check if signal cable connecting is in good condition.

② Check signal cable connecting, and make sure to use the standard adapter to connect the monitor. If power is supplied by battery, please check if the battery is fully charged.

6.3 No sound

Please confirm whether the volume control is turned on, and adjust the volume.

■ If there are still other problems, please contact with our related technologists.

★ As we are improving product features and product performance, so if there is any change on the specification without prior notice.