7.5G

SteadyView X
USER MANUAL
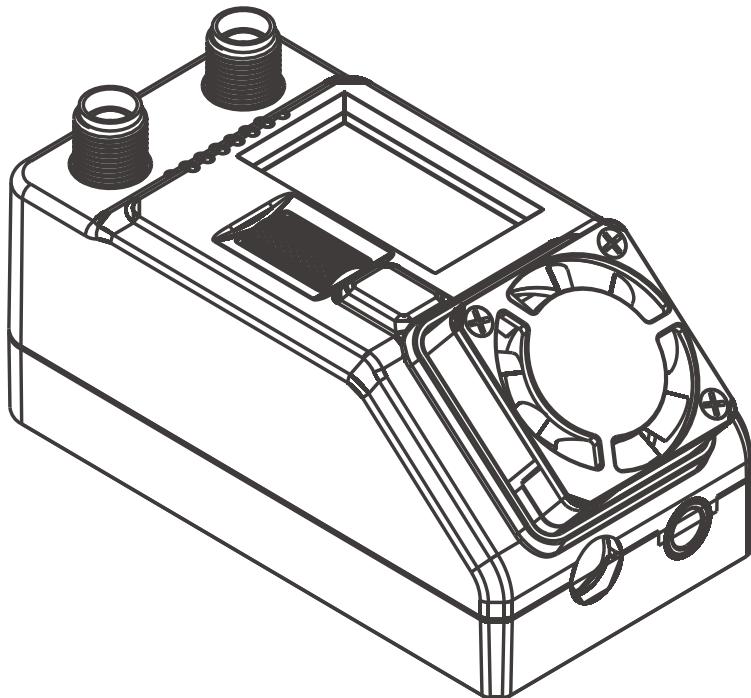
Specification

Display	
Screen	0.96" Color LCD
Viewing direction	ALL View
Receiver	
Frequency	6.5-8.5GHz
Sensitivity	-90dBm±2dBm
Antenna Connectors	2x Standard SMA-K,50ohm
Mode	Mix1,Mix2,Mix3, Diversity, Single RX
Video output	1.0Vp-p Typ./75ohm
Audio output	No audio output
Power	
Voltage	6.5-26V
Consumptio	12V input@500mA Normal
Interface	
DC IN	φ5.5mm@PlN2.1mm
A/V output	φ3.5mm
USB	Type-C, Firmware Update
Dimensions	70.5*33.5*34mm
Weight	49g

BAND/CH Table

6.5G							
BAND	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	6002	6028	6054	6080	6106	6132	6158	6184
B	6200	6220	6240	6260	6280	6300	6320	6340
C	6360	6380	6400	6420	6440	6460	6480	6500
D	6520	6540	6560	6580	6600	6620	6640	6660

7.5G							
BAND	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	6240	6260	6280	6300	6320	6340	6360	6380
B	6400	6420	6440	6460	6480	6500	6520	6540
C	6560	6580	6600	6620	6640	6660	6680	6700
D	6720	6740	6760	6780	6800	6820	6840	6860
E	6880	6900	6920	6940	6960	6980	7000	7020
F	7040	7060	7080	7100	7120	7140	7160	7180
H	7200	7220	7240	7260	7280	7300	7320	7340
J	7360	7380	7400	7420	7440	7460	7480	7500

8.5G							
BAND	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	7500	7520	7540	7560	7580	7600	7620	7640
B	7660	7680	7700	7720	7740	7760	7780	7800
C	7820	7840	7860	7880	7900	7920	7940	7960
D	7980	8000	8020	8040	8060	8080	8100	8120
E	8140	8160	8180	8200	8220	8240	8260	8280
F	8300	8320	8340	8360	8380	8400	8420	8440
H	8460	8480	8500	8520	8540	8560	8580	8600

GND
VIDEO
NA
NA
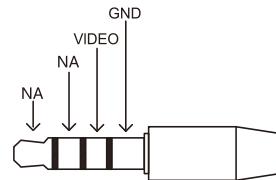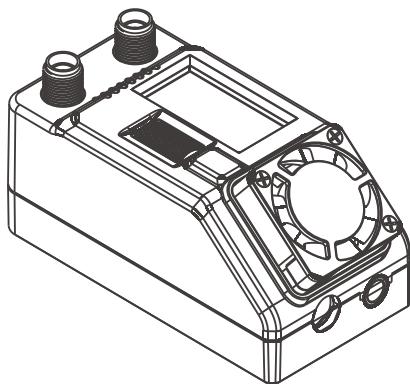
3.5mm Video port Pin out

Introduction

Steadyview X receiver is high performance receiver, unlike traditional diversity receiver, the Steadyview X have unique fusion technology and low band Filter hardware, also unique image reconstruction algorithm, the receiver merge two signals to one, avoid image tearing and rolling, make image more stable and clear in challenging condition. The receiver come with ground station kit and 3 module bay cover, use can use the receiver on SKYZONE 04 series or fatshark goggles, also on SKYZONE Cobra goggles, user can use the receiver on any goggles or monitors which have AV INPUT port.

Package include

1、SteadyView X Receiver*1
2、Omni Antenna 7.5G *2
3、SKYZONE SKY04X Module Cover*1
4、FATSHARK Module Cover*1
5、XT60-DC Cable 5.5*2.1　*1
6、3.5mm Video Cable*1　　1.2m
7、USB-C Cable*1
8、User Manual*1

Quick Start

BAND/CH setting
1. In preview mode, press the wheel to enable CH setting, roll the wheel to change Channel, press the wheel again to enable BAND setting, roll the wheel the change the BAND.
2. No movement for 3 seconds, the receiver will back to preview mode.
3. The front with switch from big front and small front in preview mode.

Auto Search
1. Hold the wheel to pop out search menu, press the wheel to enable search, the receiver will start search, after search, the receiver will change to strongest RSSI CH.
2. After search, the screen will show all rssi bar, use can roll the wheel to manually adjust the CH.
3. Press the wheel during the search to quit search.

Sometime the auto search is not accurate, user need manually adjust the CH.

Receiver Mode

Some camera on market didnt follow standard NTSC/PAI signal, cause the receiver confusing inM ix mode, It will cause image getting dark, color distortion, rolling image, user can switch to diversitymode to solve this issue.user can use these mode to get solve these issue.

2. Mix1 :this is basic mix mode, this mode provides basic fusion processing to reduce excessive interference of the circuit on the image.
3. Mix2： this mode i improves synchronization stability, especially in weak signals to maximize synchronization and lock video.
4. Mix3： Enhance the synchronization signal on the basis of Mix2, maximize the stability of the video , and maximize the compatibility with camera. In this mode, The brightness of the signal will be reduced
5. Mix Off： the receiver will turn o ffthe MIX feature, the receiver will work in traditional diversity mode receiver or signal receiver mode.

Antenna Select
In this menu, user can choose Diversity、A、B.
Diversity; in this mode, the two receiver will work same time, will choose the strongest signal to output.

Stabilize Time
The parameter is only valid in the MIX mode. You can set the stable time after the receiver loses the synchronization signal. The default is 8 seconds. Mix1 is recommended to
be set to 5 seconds or 8 seconds.
The longer the setting, the longer the stabilization time, but Since the sync signal has been lost, black bars may appear on the left or right side of the video, This is because the synchronization signal generated by the receiver and the VTX transmission the video synchronization signal sent is not synchronized, and the error is getting bigger and bigger. Once the signal is restored to sufficient strength, it will be synchronized immediately. If the time is still not synchronized, the receiver signal loses lock and automatically works in diversity or single receiving mode.

Freq-range
There are 3 options in the submenu for selectng different frequency bands:
6.0–6.7 GHz
6.2–7.5 GHz
7.5–8.6 GHz

OSD Mode

USER can choose the OSD style in the Video. the OSD is on the top left of the image.
LockIconFreq： Lock Statues, formation of signal, RSSI bar, frequency.
LockIcon： Lock Statues, formation of signal, RSSI bar.
LockFreq： Lock Statues, formation of signal, frequency.
Lock： Lock statues and Formation of Video Signal
OFF: OSD Turn o ffthe OSD in the video.

MENU Style

User can change the menu style in this mode。
Style1： White on a blue background
Style2： Blue on a yellow background
Style3： White on a black background

Calibration

1. Calibrating the RSSI helps the receiver to work better and show the RSSI strength more accurately.
2. The calibration consists of two steps, both of which must be executed correctly to complete the calibration.
3. to calibrate the low rssi: make sure the receiver and VTX are working normal and matched , turn o ffthe VTX power, calibrate the low rssi in the menu, when is done, turn on the power of VTX, then calibrate the high RSSI of receiver, when its done, user can quit the calibration menu.

ELRS

The Steadyview x have ELRS VRX backpack build in, user can synchronize the VRX and VTX with TX backpack.
1,under ELRS menu, user can choose turn on or turn off the ELRS backpack.
2, If ELRS is turn on, user need go to bind mode under ELRS menu to bind the backpack to TX backpack. need Lua Script to bind the backpack, screen will show binding success after binding is done.
3, Upgrade the firmware, user can upgrade the VRX backpack firmware with ELRS configrator, plug the receiver to PC, and select upgrade under ELRS menu, then the ELRS will goto boot mode, go to ELRS configrator choose backpack, select the VRX backpack, target is Steadyview+ELRS, then choose the correct com port and start build and flash, also user can add binding phrase if the TX backpack already have binding phrase.

Update Firmware

1, Hold the wheel when connect the receiver to the computer.
2,Computer will automatically install the driver , computer will show a new removable storage .
3, Copy the steadyview x Firmware File to the folder, receiver will installing the update at the same time. when the copying is done, the firmware update is done.