

SIYI
思翼科技

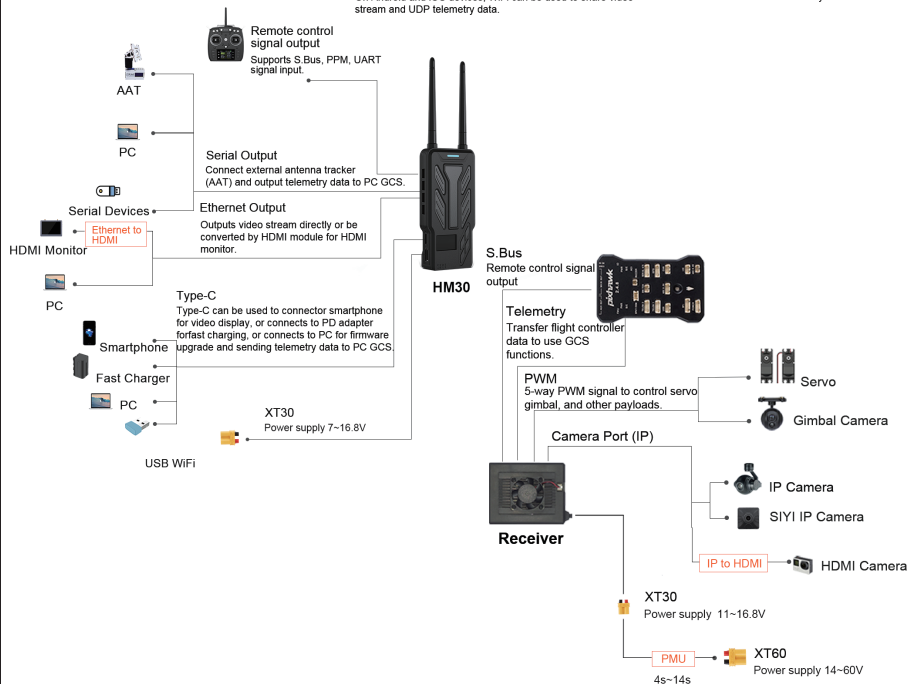




On Android and iOS devices, WiFi can be used to share video stream and UDP telemetry data.

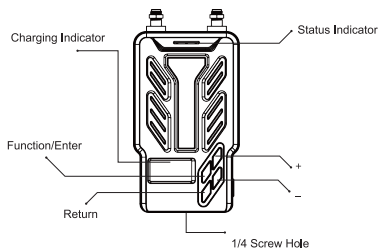


Bluetooth can be used to send telemetry data to GCS.

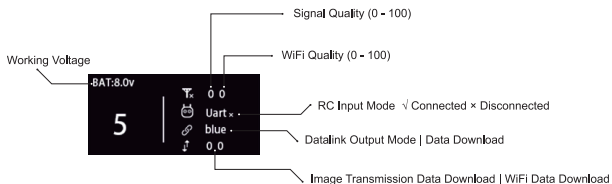


HM30 Quick Start Guide

1. Interface



2. OLED



3. Indicator Definition

Status Indicator

- Solid Red: No communication between the ground unit and the air unit
- Solid Blue: Perfect communication, receiving 100% data package.
- Blinking Blue: Blinking frequency indicates the signal quality. More frequently it blinks, worse the signal quality is.
- Triple Yellow Blinks: Image transmission data overload – level 1
- Yellow Blinks: Image transmission data overload – level 2
- Yellow-Red Blinks: Ground unit overheat – level 1
- Yellow-Red-Red: Ground unit overheat – level 2
- Yellow-Red-Red-Red: Ground unit overheat – level 3
- Blue-Red Blinks: Air unit overheat – level 1
- Blue-Red-Red Blinks: Air unit overheat – level 2
- Blue-Red-Red-Red Blinks: Air unit overheat – level 3

Charging Indicator

- Red: In charging
- Green: Charging finished.

4. Power On / OFF

Power on: Press the power button until the OLED screen shows "press again...". Then hold the power button for two seconds, the system will be turned on.

Power off: Press the power button until the OLED screen shows "press btn again...". Then hold the power button for two seconds, the system will be turned off.

5. Ground Unit Communicates with GCS via Bluetooth

Let's take QGroundControl as an example.

- 1) Press the function button to enter the "MENU - Setting" page. Set "Datalink Mode" as "blue", "BAUD" as "57600".
- 2) On your smartphone, go to "System Settings - Bluetooth", search the Bluetooth device started with ID "SIYI-6A*****" and pair with it. Password is "1234".
- 3) Open QGC, go to "Application Settings" page, touch "Comm Links" and "Add" a new connection.
- 4) Set the type as "Bluetooth", then touch "Scan".
- 5) Touch the Bluetooth device of which the name is starting with "SIYI-6A*****", then touch "OK" to go back to the Comm Links page.
- 6) Touch the configured "Bluetooth" connection and touch "Connect", Bluetooth connection is finished.

**HM30 can connect to smartphone or PC GCS through Bluetooth, UDP, or UART.*

6. Ground Unit Outputs Video via Internal WiFi to Display in SIYI FPV

- 1) Press the function button to enter the "MENU - Setting" page. Set "Video Mode" as "Inter WiFi".
- 2) On your smartphone, go to "System Settings - WiFi", search the WiFi device started with ID "SIYI-6A*****", and pair with it. Password is "12345678".
- 3) Install "SIYI FPV" app on your smartphone, input the IP address of your camera into the app, then the video will display.

**The default RTSP address in SIYI FPV is*

"rtsp://192.168.144.25:8554/main.24", which is the IP address of SIYI IP Camera and SIYI HDMI Converter.

7. Ground Unit Outputs Video via USB to Display in SIYI FPV

- 1) Press the function button to enter the "MENU - Setting" page. Set "Video Mode" as "USB".
- 2) Use the original USB cable to connect HM30 ground unit with your smartphone. Set the connection type as "File Transfer".
**Other connection type like "Charging" will disable video stream transfer.*
- 3) Go to "System Settings" and turn on "USB Tethering".

- 4) Install "SIYI FPV" app on your smartphone, input the IP address of your camera into the app, then the video will display.

**There are four ways to acquire the video stream from HM30 ground unit: USB, Internal WiFi, External WiFi, and Ethernet.*

Please refer to the user manual or consult SIYI Support for detail.

8. FPV OSD

- 1) Press the function button to enter the "MENU - Setting" page and turn on "FPV,OSD" function.
- 2) Open "SIYI FPV" app, go to "Link Status" page and turn on "Mavlink OSD" function.
- 3) Now you can check OSD display over the video stream in SIYI FPV.



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