

| 接口类型   | HAT 选型/HAT 名称                                 | 购买渠道 | Pinout 信息   | 备注   |
|--------|---|------|---|--|
| UART   | USB to TTL 转接线                                | 淘宝   |   |  |
| I2C    | Grove Base Hat for Raspberry Pi               | 淘宝   |   |  |
| SPI    | Waveshare 2.13 Inch E-Ink Display pH.微雪官网/淘宝  |      | <a href="https://pinout.xyz/pinout/213_inch_e_paper_phat">https://pinout.xyz/pinout/213_inch_e_paper_phat</a>   |  |
| PCM    | ReSpeaker 2-Mics Pi HAT                       | 淘宝   | <a href="https://pinout.xyz/pinout/respeaker_2_mics_phat">https://pinout.xyz/pinout/respeaker_2_mics_phat</a>   | 基于 WM8960 Codec                              |
|        | ReSpeaker 4 Mic Array                         | 淘宝   | <a href="https://pinout.xyz/pinout/respeaker_4_mic_array">https://pinout.xyz/pinout/respeaker_4_mic_array</a>   | 基于 AC108 ADC                                 |
|        | ReSpeaker 4 Mic Linear Array                  | 淘宝   | <a href="https://pinout.xyz/pinout/respeaker_4_mic_linear_array">https://pinout.xyz/pinout/respeaker_4_mic_linear_array</a>   | 基于 AC108 ADC 和 AC101 DAC                     |
| PWM    | Raspberry Pi Motor Board                      | 淘宝   |   | 基于 MC33932 IC                                |
| JTAG   | 2-Channel CAN-BUS(FD) Shield for Raspberry Pi | 淘宝   |   | 基于 MCP2518FD                                 |
| DPI    | HyperPixel 4                                  | 淘宝   | <a href="https://pinout.xyz/pinout/hyperpixel4">https://pinout.xyz/pinout/hyperpixel4</a>   |  |
| 1-Wire | 无需外设  |      |   |  |
| GPCLK  | 无需外设  |      |   |  |
| CSI    | RPi Camera Module V2                          | 淘宝   | <a href="https://www.raspberrypi.org/products/camera-module-v2/">https://www.raspberrypi.org/products/camera-module-v2/</a>   | 官方摄像头 V2 版本, Sensor 是 Sony IMX219            |
|        | Raspberry Pi High Quality Camera              | 淘宝   | <a href="https://static.raspberrypi.org/files/product-guides/Raspberry_Pi_High_Quality_Camera_Getting_Started.pdf">https://static.raspberrypi.org/files/product-guides/Raspberry_Pi_High_Quality_Camera_Getting_Started.pdf</a> | 官方摄像头 High Quality 版本, Sensor 是 Sony IMX477R |