

1. Product Name

Network Recorder (WJ-VPU4000)

2. Product Description

The WJ-VPU4000 is a video recorder using an SSD (Solid State Drive). Separately sold network cameras, and a trigger cable can be connected to the recorder, as can off-the-shelf radar guns and microphones. The recorder can be controlled using software installed on a personal computer.

3. WLAN/BLE Module : JODY-W167-00A-00 (chip set: CYW88359)

FCC ID : XPYJODYW167

ISED ID : 8595A-JODYW167

The VPU4000 uses Two WLAN/BLE modules.

One is for STA-mode (WLAN1), the other is for AP-mode/BLE (WLAN2).

In WLAN communication, WLAN1 and WLAN2 are operated independently, but controlled not to use same channel to prevent radio interference.

4. WLAN Frequency of Operation

STA mode (scan mode : passive) – WLAN1

2.4 GHz band (ISM) 2412 to 2462 MHz (1 – 11ch)

5.3 GHz band 5280 to 5320 MHz (56, 60, 62, 64 ch)

5.6 GHz band 5500 to 5580 MHz (100,102,104,106,108,110,112,116 ch)

5.6 GHz band 5660 to 5720 MHz (132, 134, 136, 138, 140, 142, 144 ch)

5.8 GHz band 5745 to 5825 MHz (149, 151, 153, 155, 157, 159, 161, 165 ch)

AP mode – WLAN2

2.4 GHz band (ISM) 2412 to 2462 MHz (1 – 11ch)

5.8 GHz band 5745 to 5825 MHz (149, 151, 153, 155, 157, 159, 161, 165 ch)

5. Access mode : Infrastructure mode (Ad-hoc mode is not supported)

6. WLAN Type of modulation, power setting.

The setting value is the same for WLAN1 and WLAN2.

IEEE 802.11b , max 18dBm

IEEE 802.11g , max 15dBm

IEEE 802.11n20(2.4GHz), max 15dBm

IEEE 802.11a , max 17dBm

IEEE 802.11n20(5GHz), max 17dBm

IEEE 802.11n40(5GHz), max 17dBm

IEEE 802.11ac20, max 17dBm

IEEE 802.11ac40, max 17dBm

IEEE 802.11ac80, max 15dBm

*note: The power level is fixed and cannot be changed by the user.

7. Frequency Tolerance : within ± 20 ppm

8. Bluetooth Low Energy

Version : 4.2

Frequency of Operation : 2402-2480MHz

Modulation system : Frequency Hopping Spread Spectrum (FH-SS), GFSK

Channel Spacing : 2 MHz

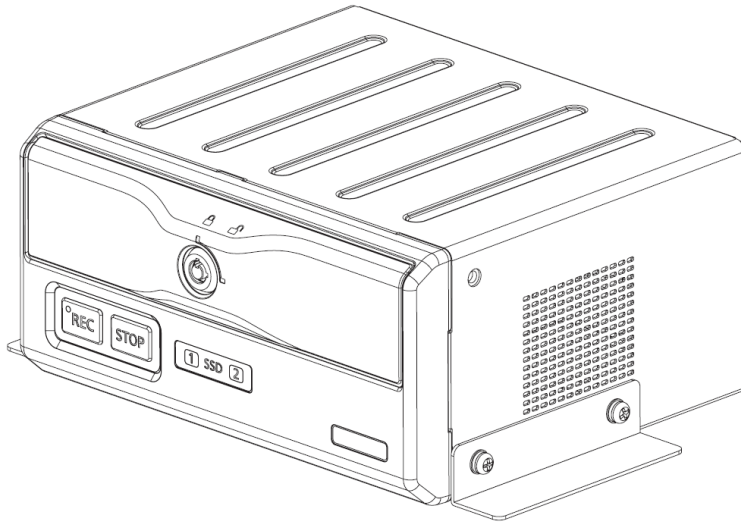
Number of RF Channel : 40

Power setting : max 10dBm

9. Tune up Procedure

Frequency and output power level that have passed the certification test are incorporated into Firmware of the WLAN/BT module as fixed values. Therefore there is no Tune up procedure as the user cannot change the parameter of frequency and output power level.

Product image



Antenna Connector

