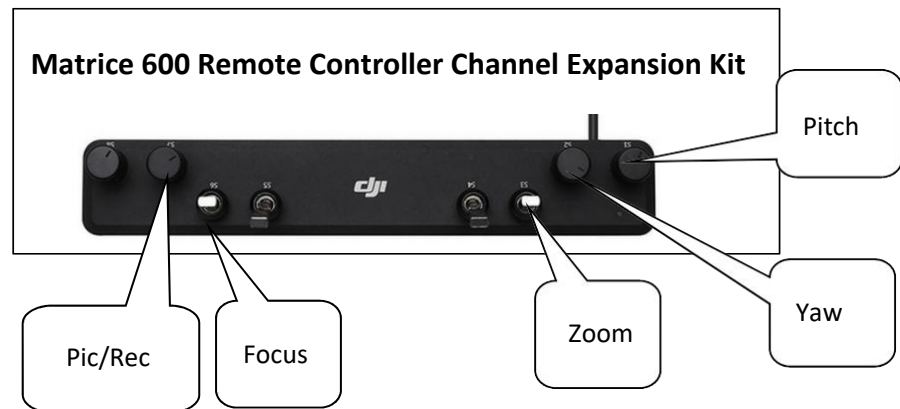
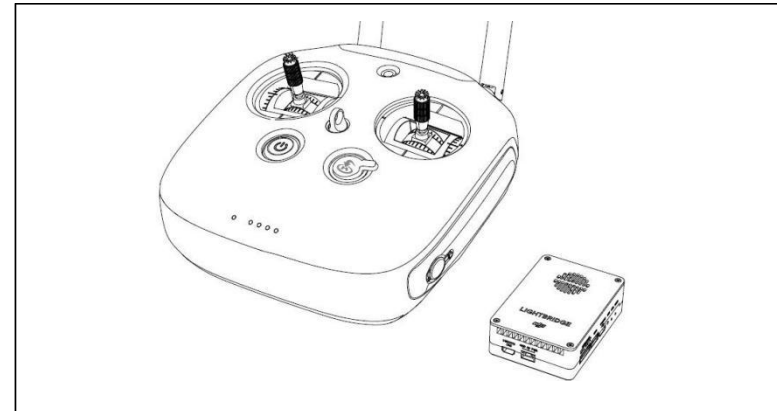


Integration Method of Viewpro Gimbal Camera and DJI A3 + LB2 + Channel Expansion Kit

1. Hardware Connection

Prepare a set of hardware: Gimbal Camera, A3 Flight Controller, LB2 Remote Controller, Channel Expansion Kit



2. Connect as introduced:

A3 Port Diagram

Viewpro gimbal camera use channel: F3, F4, F5, F6, F7, F8

1. IMU1 Port
Communicates with the IMU Pro module.
2. CAN1 Port
Dedicated DJI CAN-Bus port. Communicates with the A3 GPS-Compass Pro or other DJI devices (e.g. Real Time Kinematic (RTK) GPS system).
3. Orientation Arrow
The FC module should be mounted with the arrow pointing in the specified direction (Orientation can be set in the DJI Assistant 2).
4. Status Indicator
Indicates the status of the flight controller and triple modular redundancy system.
5. RF Port
Communicates with the DJI Lightbridge 2 Air System.
6. iESC Port
Communicates with the DJI Smart ESC.
7. M1-M8 Pins
Connects to the corresponding ESC PWM port for each motor.
8. LED Port
Communicates with the LED module.
9. IMU2 Port
Communicates with the IMU Pro module.
10. PMU Port
Derives power from the PMU.
11. CAN2
Communicates with an SDK device.
12. API Port
Communicates with an Onboard SDK device.
13. F5-F8 Pins
Multifunction PWM I / O ports.
14. F1-F4 Pins
Multifunction PWM output ports.
15. S-Bus Port
Communicates with a DJI DR16 or S-Bus receiver.

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A3 Signal-----Mapping Channel-----Z-3D Signal

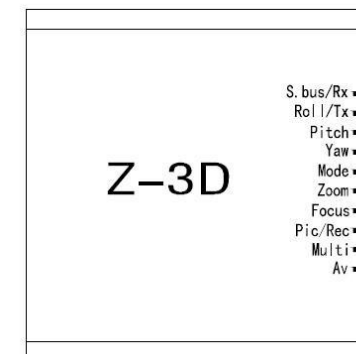
F3	-----D1-----	Pitch
F4	-----D2-----	Yaw
F5	-----D3-----	Zoom
F6	-----D6-----	Focus
F7	-----D7-----	Pic/Rec
F8	-----D8-----	Multi

D1 D2 are knobs, control pitch and yaw. During operation, return the knob to the center to stop position change.

D3 is a 3-gear switch, for zoom controlling, return to center to stop zoom.

You can map to other channels according to your usage habit.

Viewpro control box Z-3D



DJI Assistant 2 For Autopilot

Topology **Function Channels** Backup Shutter

Dashboard
Basic Settings
Flight Settings
Tools
DJI Device
Simulator
SDK
Firmware Update
Flight Data


RC Status: FAILSAFE
MC Output

English
13259074685

F1-F8 : Output

Output

- F1: Landi...
- F2: Shutter
- F3: D1
- F4: D2
- F5: D3
- F6: D6
- F7: D7
- F8: D8



F1 Landing Gear

F2 Shutter

F3 D1

F4 D2

F5 D3

F6 D6

F7 D7

F8 D8

Spraying Frequency 1120 μ s 1920 μ s

Direct Output Channel Frequency 50Hz 400Hz

Channel Switch Reverse Settings REV

Reset