

The interfaces on the gimbal include: serial port, SBUS interface, power interface, and video output interface. The gimbal interfaces are defined as shown in Figure 1 and Tables 1, 2, 3, 4, and 5.

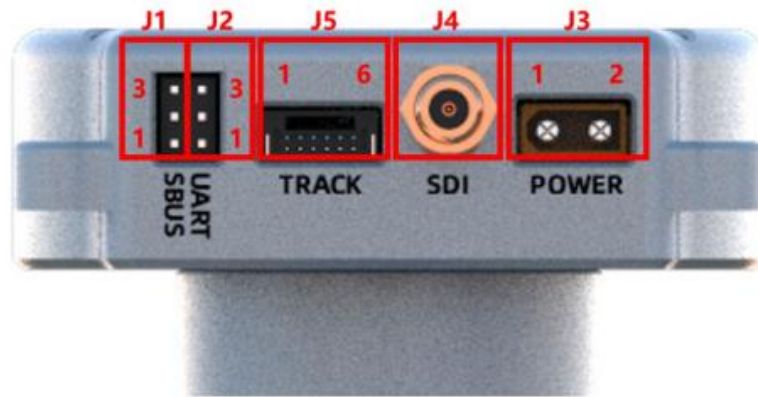


Figure 1: Gimbal Interfaces

Table 1: J1 Interface Definition (SBUS)

Serial number	Name	Instructions
1	GND	Power Ground
2	Power_Out	DC Output 5V
3	TTL	SBUS Signal Output

Table 2: J2 Interface Definitions (Serial)

Serial number	Name	Instructions
1	GND	Power Ground
2	UART_TX	Serial Port Transmit 3.3V
3	UART_RX	Serial Port Receive 3.3V

Table 3: J3 Interface Definitions (Power Supply)

Serial number	Name	Instructions
1	GND	Power Ground
2	POWER_IN	DC input 12V

Table 4: J4 interface definition (sdi output)

Serial number	Name	Instructions
1	SDI_GND	SDI Video Output
2	SDI_OUT	

Table 5: J5 Interface Definition (6pin wire to tracker)

Serial number	name	instructions
1	POWER_OUT	DC Output 12V
2	GND	power ground
3	CVBS_OUT	CVBS Video Output
4	CVBS_GND	
5	UART_RX	Serial Port Receive 3.3V
6	UART_TX	Serial port transmit 3.3V

The interfaces on the tracker include: video input interface, network video output interface, and TF card interface. The tracker interfaces are defined as shown in Figure 2 and Tables 1, 2, and 3.



Figure 5: Tracker Interface

Table 1: J1 Interface Definition (Network Port Video Output)

Serial number	Name	Instructions
1	TX+	Network Video Output
2	TX-	
3	RX+	
4	RX-	

Table 2: J2 interface definitions (SDI Input)

Serial number	Name	Instructions
1	SDI_GND	SDI Video Input
2	SDI_OUT	

Table 3: J3 Interface Definition (6pin wire to gimbal)

Serial number	Name	Instructions
1	POWER_OUT	DC Output 12V
2	GND	Power Ground
3	CVBS_OUT	CVBS Video Output
4	CVBS_GND	
5	UART_TX	Serial Port transmit 3.3V
6	UART_RX	Serial Port Receive 3.3V

