



**Video Converter**

**ZX-*GZ5-C2V3***

**User Manual**

**V2.0**

CONTENT

NOTICE ..... 3

PACKAGE LIST ..... 4

CONNECTION INSTRUCTION..... 5

TROUBLESHOOT ..... 6

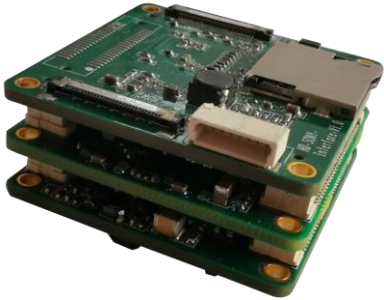





PIN DEFINITION..... 6



## Notice

- In order to ensure the instruments are in good technical condition, the daily maintenance of the operating personnel is only limited to the replacement and inspection of cables, cleaning and functional inspection.
- Please do not open the cabinet in any case even if the system runs into malfunction. Troubleshooting has to be taken on by professional technicians after thorough examinations.
- The video tracker should be kept in a cool, dry environment for storage.
- Please make sure that the connector assemblies were inserted after aligned with sockets. Please do not pull the cable directly for unplugging.
- Wearing anti-static gloves when using and connecting the product to prevent it from being penetrated.
- The power input voltage of the video tracker should be 12V, otherwise the device would be damaged.

## Package List

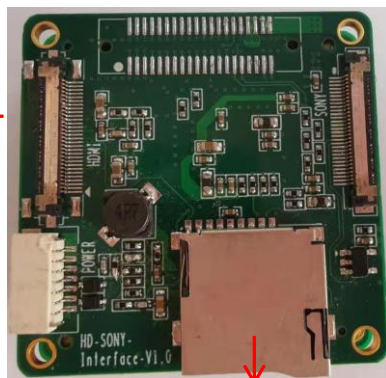
Video Converter×1	Sony Camera Core×1 (optional or purchased by user)
	
6pin (TTL) testing cable×1	30pin cable×2
	
Ethernet cable×1	30pin HDMI converting board×1 (optional)
	
<p>⚠ Attention: please insert power as the final step so as to prevent the device from being damaged, make sure all pins are properly inserted.</p>	

## Connection Instruction

Pic 1 Front side interfaces

Video output  
(30PIN cable---converting board)

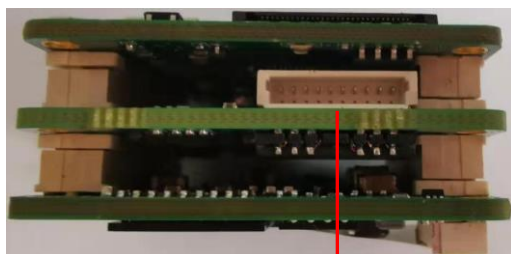
Connect to 6pin  
testing cable



Video input  
(30PIN cable---Sony camera)

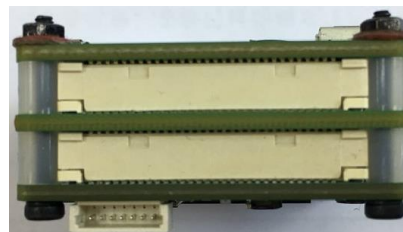
SD card

Pic 2 Side interfaces



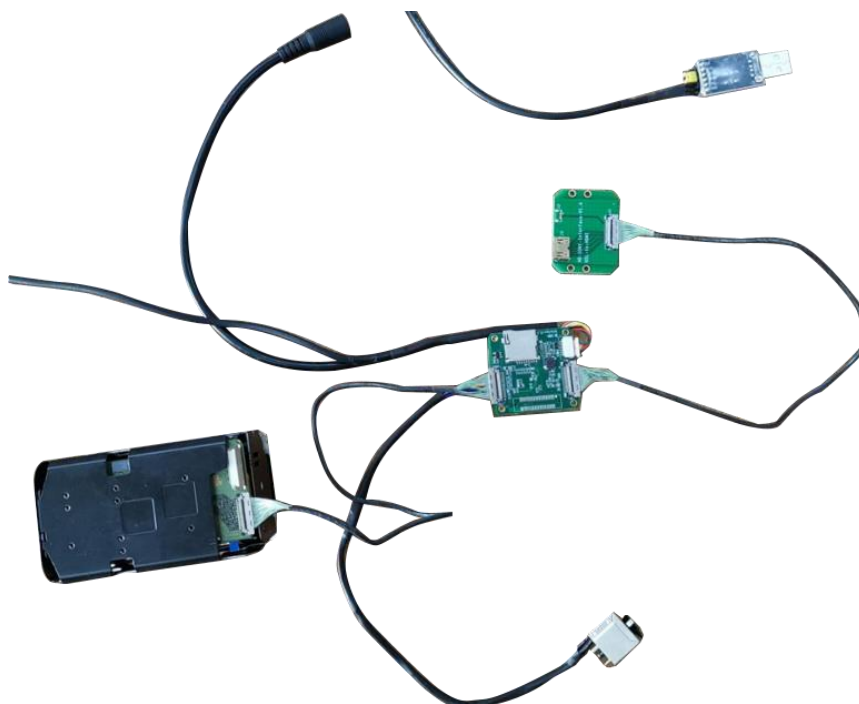
Ethernet

Pic 3 Side interfaces



**Do NOT insert** upgrading interface (7 pin)

Pic4 Connections as a whole



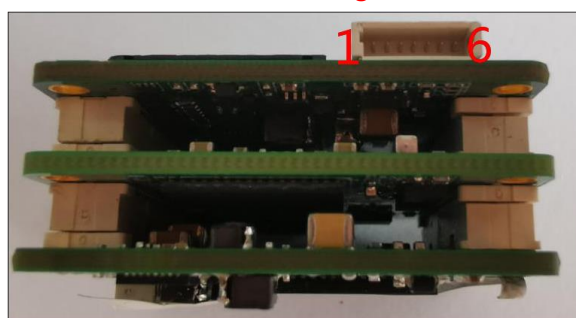
## Troubleshoot

Please use the form below to check the infrared camera when it has any trouble. Disconnect the power and contract our technical support department if the problem cannot be fixed.

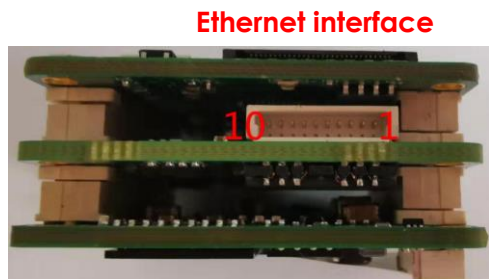
Malfunction	Reason and solution
Video tracker cannot start/Power light is not on	1. Check whether the power is connected. 2. Check whether the voltage is lower than required which should be 12V.
No image display	1. Check whether the serial port is open(not serial port 1) 2. Check whether the baud rate setting of the operation software is correct. 3. Check whether the video output format of the display is 1080I/1080P.
The serial command does not respond	1. Check whether the serial port is open (not serial port 1 open) Check whether the verification mode is correct.
No tracking box	1. The target is too close or not obvious, reselect target.

## Pin Definition

Testing Cable interface



Pin #	Pin Title	Function
1	POWER IN	+12V power input
2	POWER IN	+12V power output
3	GND	GND
4	GND	GND
5	RXD	Serial port receive
6	TXD	Serial port send



Ethernet pin definition		
Pin #	Pin Title	Function
1	DATA_1_N	TX_N
2	DATA_1_P	TX_P
3	DATA_0_N	RX_N
4	DATA_0_P	RX_P

30pin definition			
#	Video input	#	Video output
1	TXOUT3+	1-2	NC
2	TXOUT3-	3	GND
3	TXCLKOUT+	4	TXD_30pin
4	TXCLKOUT-	5	RXD_30pin
5	TXOUT2+	6-10	NC
6	TXOUT2-	11	GND
7	TXOUT1+	12-14	NC
8	TXOUT1-	15	HDMI_HPD
9	TXOUT0+	16	HDMI_OUT_5V
10	TXOUT0-	17	HDMI_SDA
11	GND	18	HDMI_SCL
12	RXD	19	HDMI_CEC
13	TXD	20	GND
14-18	DC IN=10V	21	HDMI_CLK_N
19-20	GND	22	HDMI_CLK_P
21-30	NC	23	HDMI_D0_N
		24	HDMI_D0_P
		25	GND
		26	HDMI_D1_N
		27	HDMI_D1_P
		28	HDMI_D2_N
		29	HDMI_D2_P
		30	GND