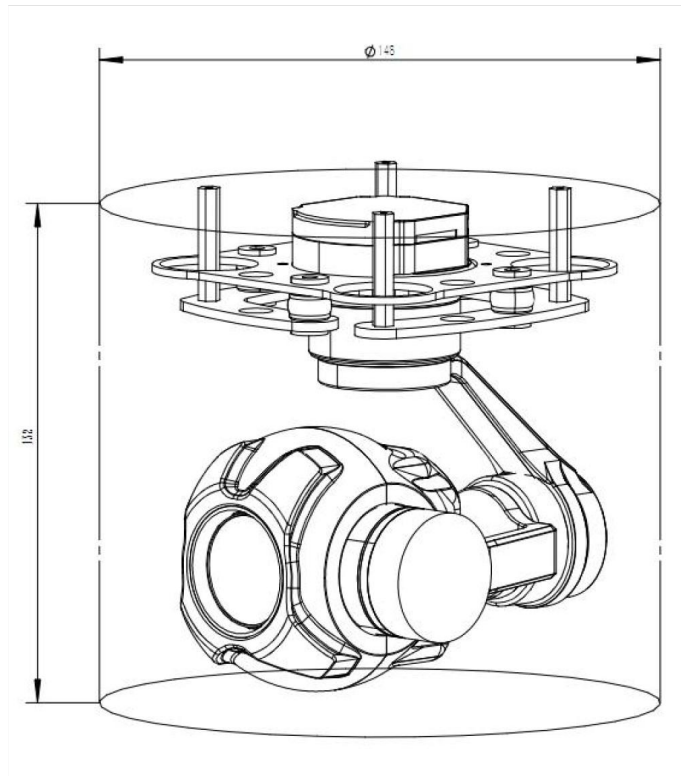


### Functional Features

- 90x Mixed zoom<sup>①</sup>
- TF card storage
- 170ms low delay RTSP output
- IP control and output
- Multiple control modes
- Ground station display control
- Light weight gimbal, 360g
- 3-axis stabilizer

### Device Structure



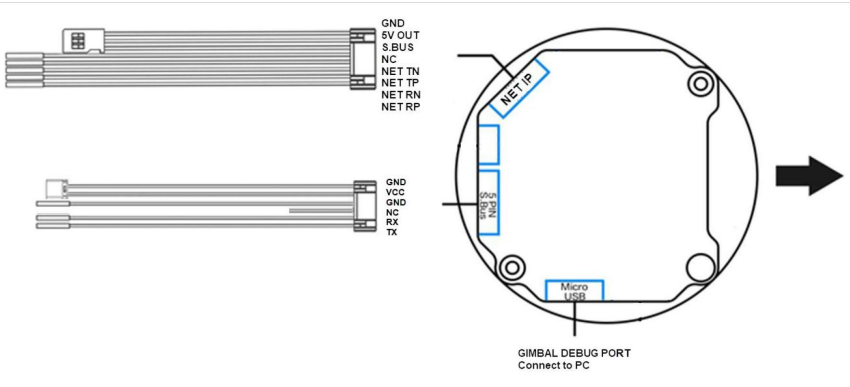
NOTE①:90x mixed zoom:10x optical zoom+9x digital zoom



|                                |                             |                                                                                                                                         |
|--------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Voltage                        |                             | DC12V-26.2V                                                                                                                             |
| Power Supply                   |                             | Dynamic 5W                                                                                                                              |
| Working<br>Status              | Roll Angle                  | -45° ~ +45°                                                                                                                             |
|                                | Pitch Angle                 | -45° ~ +120°                                                                                                                            |
|                                | Yaw Angle                   | -280° ~ +280°                                                                                                                           |
|                                | Pitch and Roll Jitter Angle | ±0.02°                                                                                                                                  |
|                                | Horizontal Jitter Angle     | ±0.03°                                                                                                                                  |
|                                | One-Click Restore           | One-click restore to the initial position                                                                                               |
|                                | Adjustable Gimbal Speed     | Low speed at big zoom status and fast speed control at small zoom status. Adaptively speed control based on zooming of daylight sensor. |
|                                | Control Way                 | IP,SBUS,UART control (Optional with PWM control)                                                                                        |
| Visible<br>light<br>Camera     | SENSOR                      | 1/2.8 inch 2 mega pixels wide dynamic CMOS SENSOR                                                                                       |
|                                | Optical Zoom                | 10x HD optical zoom lens, f=5.15±5%~47.38±5%mm                                                                                          |
|                                | AF Time                     | Real time fast focusing, focusing time < 1s                                                                                             |
|                                | Video Output                | RTSP stream IP network output, 4K 1080P video stream<br>local TF card storage                                                           |
|                                | Local Record                | Local TF record, H.264/H265 4K, 1080P video stream                                                                                      |
|                                | Field Angle (FOV)           | D : WIDE 69.5°±5% TELE 7.95°±5%<br>H : WIDE 61.5°±5% TELE 7.00°±5%<br>V : WIDE 35.0°±5% TELE 3.97°±5%                                   |
|                                | Support Mode                | 1080P 30fps                                                                                                                             |
| Device Size                    |                             | φ:148mm H:132mm                                                                                                                         |
| Work Condition                 |                             | -10℃ to +55℃ / 20% to 80% RH                                                                                                            |
| Storage Condition              |                             | -20℃ to +60℃ / 20% to 95% RH                                                                                                            |
| Mainly usage                   |                             | UAV aerial photography                                                                                                                  |
| Weight (Not including dampers) |                             | 360±10g                                                                                                                                 |

Connection application diagram

Electrical Interface



| No. | Name        | Interface Type          | Interface definition | Function              |
|-----|-------------|-------------------------|----------------------|-----------------------|
| 1   | 6PIN socket | Power interface         | GND                  | Power supply ground   |
| 2   |             | Power interface         | VCC                  | DC 12V~26.2V (3S~6S)  |
| 3   |             | communication interface | GND                  | Power supply ground   |
| 4   |             | communication interface | NC                   |                       |
| 5   |             | communication interface | Rx                   | Serial port receiving |
| 6   |             | communication interface | Tx                   | Serial port sending   |

| No. | Name        | Interface Type          | Interface definition | Function          |
|-----|-------------|-------------------------|----------------------|-------------------|
| 1   | 8PIN socket | Power interface         | GND                  | GND               |
| 2   |             | Power interface         | 5V                   | +5Voutput         |
| 3   |             | communication interface | S.BUS                | S.BUS control     |
| 4   |             | communication interface | NC                   |                   |
| 5   |             | communication interface | Tx-                  | Network interface |
| 6   |             | communication interface | Tx+                  | Network interface |
| 7   |             | communication interface | Rx-                  | Network interface |
| 8   |             | communication interface | Rx+                  | Network interface |

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