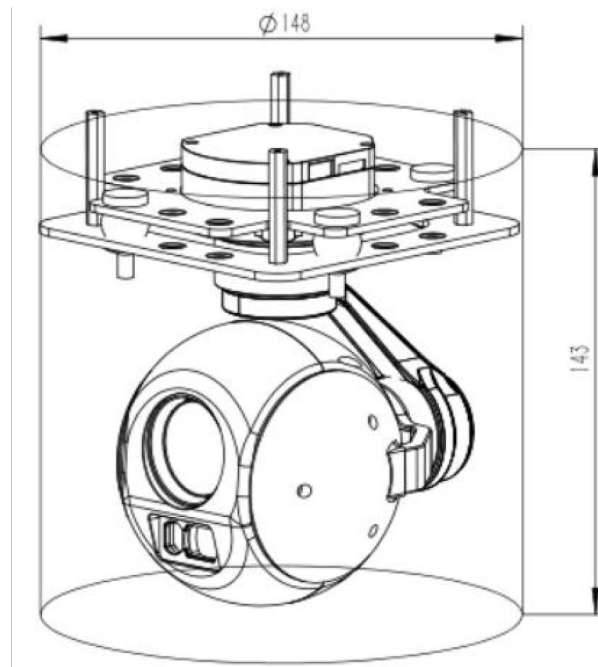


## Features

- 10x visible light
- Digital zoom
- 1200 meters laser ranging
- Weight 460g
- High-precision, high-collaboration control algorithm
- Provide ground station software

## Structure



Notes① : 90x hybrid zoom : 10x optical zoom+9x digital zoom

Notes② : Serial:3.3V, LVTTTL UART

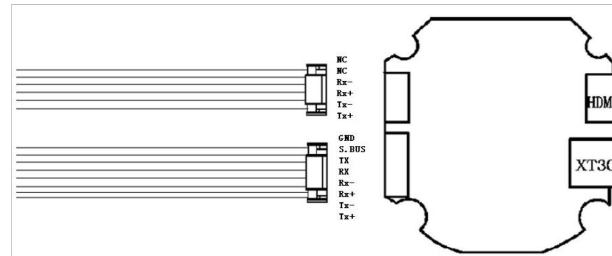


<b>Voltage</b>		DC 12V-26.2V <sup>®</sup>
<b>Power</b>		Dynamic 6W
<b>Features</b>	<b>Roll Angle</b>	-45°~ +45°
	<b>Pitch Angle</b>	-30°~ +95°
	<b>Yaw Angle</b>	-295°~ +295°
	<b>Pitch and Roll Jitter Angle</b>	±0.02°
	<b>Horizontal jitter Angle</b>	±0.03°
	<b>One-click to return to center</b>	One-click to return to the initial position
	<b>PTZ Speed adjustable</b>	When the gimbal rotates, it performs speed adaptation based on the current speed mode and visible light camera multiple.
	<b>Control mode</b>	Support Network,IP ,Network Sbus control (PWM optional)
<b>Visible light</b>	<b>CMOS size</b>	1/2.8inch 200MP Effective pixels CMOS SENSOR
	<b>Optical zoom</b>	10x HD Optical zoom lens f=5.15±5%~47.38±5%mm
	<b>Focus time</b>	Real-time fast focusing function,focusing time<1S
	<b>Video output</b>	Network HD RTSP output 1080P,Video stream local TF storage
	<b>Field of View (FOV)</b>	D : WIDE 69.5°±5% TELE 7.95°±5% H : WIDE 61.5°±5% TELE 7.00°±5% V : WIDE 35.0°±5% TELE 3.97°±5%
	<b>Support mode</b>	1080P 30fps
<b>LRF</b>	<b>Infrared Wavelength</b>	905nm (class 1 laser)
	<b>Measuring range</b>	5~1200m
	<b>Accuracy</b>	±1m
<b>Size</b>		143mm×148mm
<b>Working environment</b>		-10℃ to +45℃ / 20% to 80% RH
<b>Storage environment</b>		-20℃ to +60℃ / 20% to 95% RH
<b>Application</b>		Drone Aerial Photography
<b>Wight</b>		460±20g

notes③: Voltage:DC12V~26.2V, Please note that the instantaneous voltage of the power supply cannot exceed 27v.

## Connection Diagram

### Interface



No.	Item	Interface type	Interface definition	Function
1	6PIN	Communication Interface	NC	Reserved port
2		Communication Interface	NC	Reserved port
3		Communication Interface	Rx-	Network Interface
4		Communication Interface	Rx+	Network Interface
5		Communication Interface	Tx-	Network Interface
6		Communication Interface	Tx+	Network Interface

No.	Item	Interface type	Interface definition	Function
1	8PIN	Communication Interface	GND	GND
2		Communication Interface	S.BUS	S. BUS input
3		Communication Interface	TX	Serial port sending
4		Communication Interface	RX	Serial port receving
5		Communication	Rx-	Network Interface

		Interface		
6		Communication Interface	Rx+	Network Interface
7		Communication Interface	Tx-	Network Interface
8		Communication Interface	Tx+	Network Interface

No.	Interface type	Functions	Marks
Mini_HDMI	HDMI	Video output interface	
TF card interface	TF card	Upgrade and store data	The memory card interface is on the sphere

**\*\*Due to product upgrades, the appearance/size/weight/power consumption may change slightly. Please contact sales for the latest data, please understand.**

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