

PTD360 **Tri-axis Dual-light Gimbal**
ZX-P-10X-IV-F18-G36



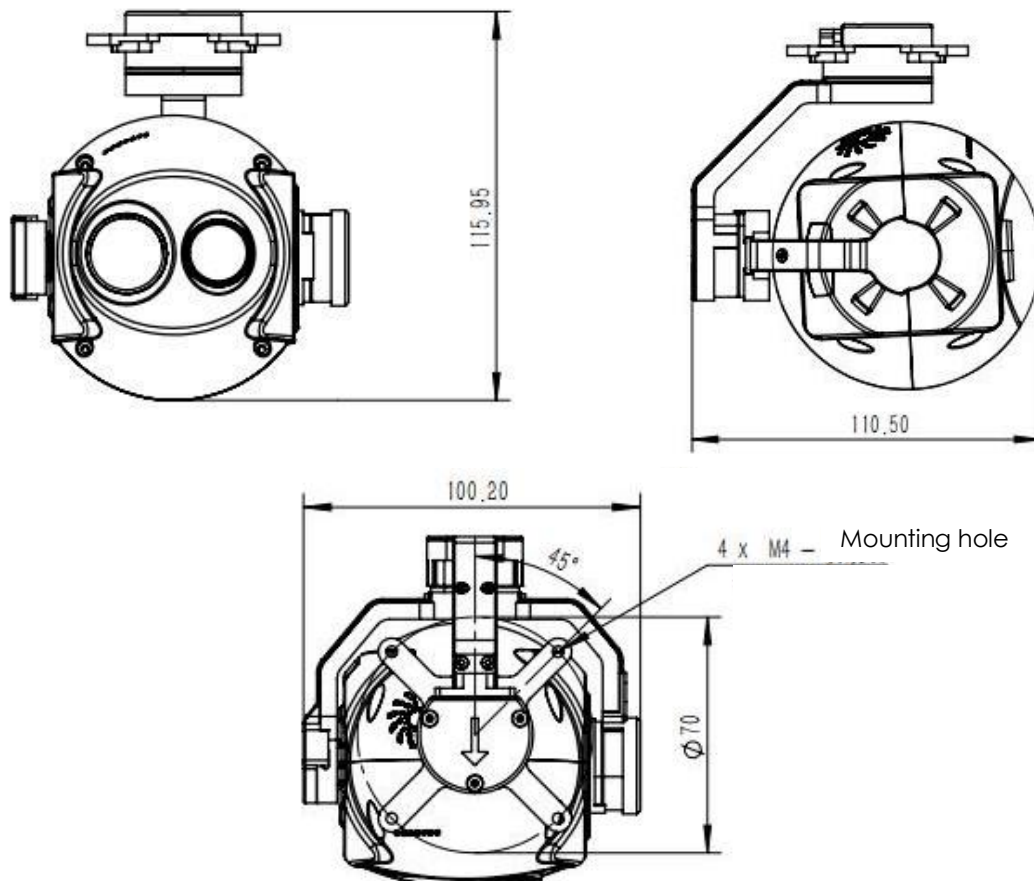
Introduction

PTD360 Tri-axis Dual-light Gimbal camera integrates 10X optical zoom EO and 640*512 uncooled IR sensors inside that provide high quality images at both day time and night. N*360° continuous movement in yaw/pan direction and target tracking function make the gimbal smooth in searching and tracking any moving object and ,therefore, suitable for a wide variety of applications such as public security, powerline detection, fire prevention, aerial photography etc. with drones of fixed wing, helicopter or multi-rotors.

Features

- ◆ Small in size and light in weight ($\leq 360\text{g}$);
- ◆ N*360° continuous movement in yaw/pan direction;
- ◆ 10X optical zoom of RGB camera
- ◆ Long distance of IR detection ($\geq 700\text{m}$ for human detection and $\geq 2\text{km}$ for vehicle);
- ◆ Data frequency 60Hz

Dimensions



Parameters

Control	
Yaw/pan	N*360°
Pitch/tilt	-110°~+110°
Roll	-50°~+50°
Communication Interface	RS232/Ethernet TCP
EO sensor	
Type	1/3" CMOS
Resolution	1920*1080
FOV	58.2° (Wide) to 6.9° (Remote)
Focal length	f=3.3mm~33mm
IR sensor	
Type	uncooled (8μm~14μm)
Resolution	640*512
Pixel size	12μm
Lens	18mm
FOV	24°×19°
Recognition distance	1km
Color palette	Black hot/white hot/pseudo color
Tracking	
Data frequency	60Hz
Minimum target contrast	5%
Target size	16×16~128×128 pixels
Tracking speed	±48 pixels/frame
Electric property	
Video output	Net: UDP/RTSP
Video format	1080P
Working voltage	11~16V
Power consumption	average≤12W, max≤20W
Others	
Working temperature	-10°C~+50°C
Storage temperature	-20°C~+50°C
Weight	≤360g