

ZX-ZD-IV-F18-GL3

PLD80 Mini Gimbal



Introduction

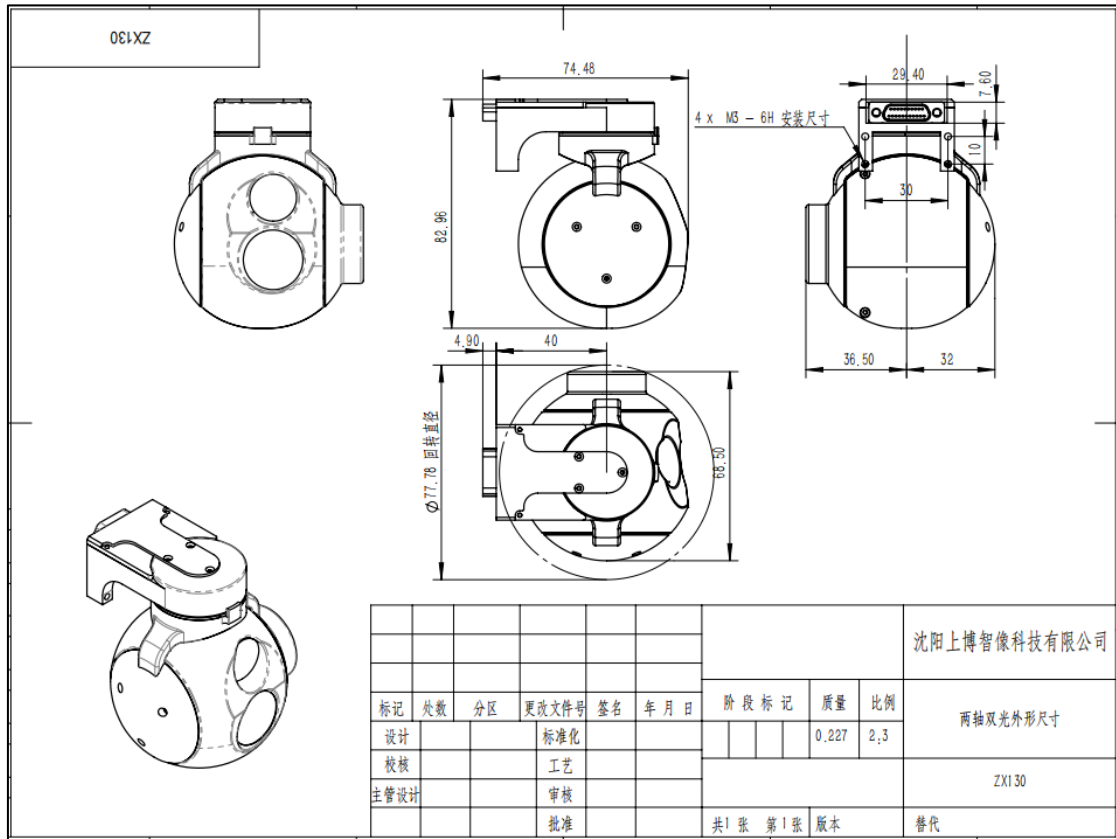
Integrating 8mm prime lens EO sensor and un-cooled 18mm prime lens IR sensor, PLD80 Mini gimbal only weighs 280g at two-axis structure. Target tracking function and digital stabilization enables the gimbal to track any shaped moving target under complex backgrounds, and makes gimbal very suitable for seekers, unmanned aerial vehicles in applications such as anti-terrorism, surveillance, pipeline detection etc.



Features

- ✧ 8mm prime lens EO+ 18mm prime lens IR
- ✧ Tracking function
- ✧ 14~28V power input
- ✧ Ethernet and 422 video output

Dimensions



Parameters

EO sensor	
Sensor	CMOS (domestic made)
Size of pixel	3.0μm
Resolution and frequency	2560H×1440V @60fps
Lens	8mm
FOV	51°×30°
IR sensor	
Detector	Un-cooled domestic made (8μm~14μm)
Size of pixel	12μm
Resolution and frequency	640×512@60fps
Lens	18mm
FOV	24°×18°
Color palette	Black hot, white hot, color

Tracker	
Frequency	60Hz
Contrast ratio of min target	5%
Target size	16*16~128*128 pixels
Tracking speed	±48 pixels/frame
Effective distance	
EO	≥3.6km (vehicle 6.5*3)
IR	≥1km (vehicle 6.5*3)
Interface	
Video output	NET: UDP/RTSP (422 optional)
Control	RS232 (422 optional) , Ethernet
Power	14 ~ 28V
Power consumption	average≤12W, max≤20W
Environment feasibility	
Working temperature	-40°C ~ +60°C
Storage temperature	-40°C ~ +60°C
Structure	
Pan	+90° ~ -90°
Tilt	+30° ~ -90°
Size	77×78×83 mm
Weight	≤280g