

Detailed specifications

Material	Aerospace aluminum alloy, nylon
Pod dimensions	112.9×87.6×144.5 mm
Pod weight	440±10g
Operating temperature	-20℃～60℃
Storage temperature	-30℃～70℃
Protection level	IP43
Stable image axis	Three-axis (heading/pitch/roll)
Angle working range	360°×N (heading); -120°~30° (pitch); ±70° (Horizontal Roll)
Control signals	S.BUS, TTL serial communication, TCP, UDP
Input voltage	12V
Power	7W
Video interface	Network port
Gimbal working mode	Enable follow (default); Disable follow-up; One click down
Gimbal control mode	Speed control; Angle control; Pointing and moving; Target tracking
Image storage format	JPG
Video storage format	MP4
Video encoding type	H.264 / H.265
Video output format	1920*1080@25fps
Supports storage capacity	Mirco SD: 32GB (minimum) / 512GB (max)

Visible light module	
Visible light pixels	8 million
Night vision level	Color: 0.001 Lux @(F1.8, AGC ON); Black and white: 0.0005Lux @(F1.8, AGC ON)
Optical zoom multiplication	10 times
Mixed electron multiplication	40 times
Fog penetration function	Support
Sensors	1/2.8 " Progressive Scan CMOS
Focal length	5~50mm(10x)
Optical zoom control mode	Speed control, multiple-rate control
Visible light field of view	6.76°~59.16°
AI target tracking module	AI target tracking module
Automatically detects target types	Typical targets such as vehicles and personnel
Object detection rate	≥90%
Processing speed	≥30fps (@1080P)
Resistant to target distortion/occlusion	Automatic

Target switching tracking	Support
Target tracking mode	Identification tracking
Track the method of selecting targets	Guidance and tracking
Tracking automatically doubles	Support
Neural network computing power	2.0 TOPS