MYK - 2A/3LG 640 IR/EO 1920 - LRF Gimbal Camera

Specification

Model	MYK - 2A/3LG 640 IR/EO 1920 - LRF
Thermal Imaging camera	
Detector Type	Uncooled Focal Plane Detector
Working Waveband	8μm～14μm
Resolution	640×512
Pixel	12μm
Focal Length	45mm
FOV	9.75°×7.81°（±5%）
Pseudo color	6
Digital zoom	1.0~4.0x
NETD	≤50mK
MRTD	≤500mK
Visible Light Camera	
Resolution	1920×1080
Response band	0.4μm～0.9μm
Pixel size	2.8μm
Focal length	4.3mm～129mm
Optical zoom	30
Digital zoom	2
FOV	63.7°×35.8°～2.3°×1.3°
Focus mode	Auto focus, manual focus
Min illumination	0.01Lux(B/W)
Laser Ranging Machine	
Wave length	1535nm
Maximum Ranging Distance	≥3km (under the condition of visibility ≥15Km)
Minimum Ranging Distance	20m
Ranging Accuracy	≤2m
Ranging Frequency	1~5Hz adjustable
Servo platform	
Horizon	360°×n(360° continuous)
Pitch	-120°～+90°（upward is positive）
Frame Angle Accuracy	≤0.3°（1σ）
Stable Accuracy	≤0.1mrad（1σ）
Maximum Rotating Speed	Position≥50°/s，pitch≥50°/s

Maximum Rotating Velocity	Position≥20°/s²，pitch≥20°/s²
System	
Image Tracking	Automatically tracks selected targets(optional)
Supply voltage range	20V ~ 32VDC
Consumption	Stable consumption：≤30W(Power-on peak current ≥5A)
Weight	≤1000g
Cube	≤157mm×157mm×180mm
Interface	
Control	RS422/TTL
Video	Mbps network/Synchronous 422
Storage	≤128G storage card（Micro SD card）
Image	Jpg format
Video format	Avi format
Environment	
Working temperature	-20℃～＋60℃（-40℃ optional）
Storage temperature	-45℃～＋65℃
Vibration	The acceleration is 2g; the three directions of vertical, horizontal and longitudinal are 30 minutes each.
Shocking	Max accelaration20g，lasting time 11ms
IP	Fly in the drizzle and moderate rain