



M1D/v3B Rugged PTZ EO/IR ISR Multi sensor gimbal

Advanced Multi-Sensor EO-IR PTZ HD
thermal imaging/visible multi-function lightweight gimbal



Key Features:

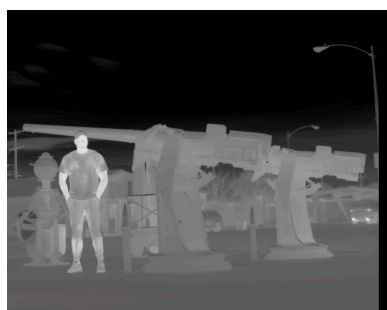
- Multi Sensor System - Thermal & Visible Spectrum
- Color Low Light HD visible Zoom channel Camera
- Ultra Sensitive Zoom Thermal IR Imaging Channel
- Miniature - Lightweight Compact Form Factor
- Dimensions 220mm x 146mmø / 2Kg Weight
- Available with single IP address or dual IP addresses
- Side mount or Rear mount Waterproof Cable Connector
- Push Lock Quick Connector - IP66
- Ideal for manned or unmanned ISR applications
- Features IP and RS485 Serial Data Control
- 750mA @ +12VDC Power / 8.4W
- Compact, lightweight rugged all weather PTZ gimbal

Applications:

- Marine / Ground Navigation / Safety / ISR
- Security & Surveillance
- Law Enforcement & Search and Rescue
- Perimeter Security & Monitoring
- Low Cost Situational Awareness Optronic system
- UAV, UGV, USV, UAS, Robot Mountable
- Marine, Mobile commercial, industrial, military applications
- Rapid Deployment & Portable Surveillance
- Homeland Security Applications

The SPI advanced, high performance M1D/v3B is a rugged compact light weight all weather multi sensor Thermal and visible spectrum camera system with advanced AI image enhancement features.

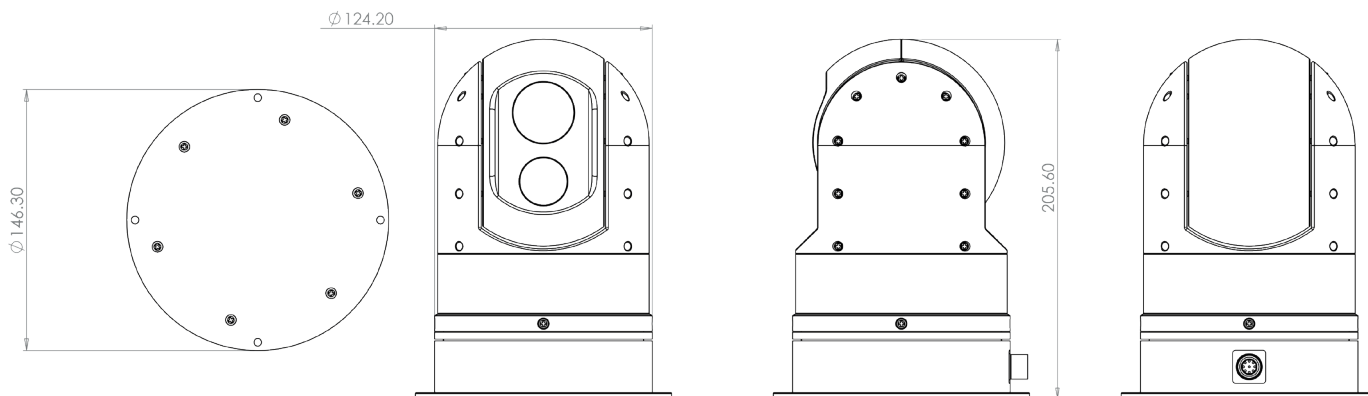
The PTZ (Pan Tilt Zoom) Gimbal can be used for a wide array of ISR EO/IR missions such as Robotic, UAV, UAS, UGV, USV manned / unmanned applications in commercial, Marine, ground, industrial, security, law enforcement and military harsh environments.





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Specifications:

	M1D/v3B-3	M1d/v3B-6
Thermal Camera Resolution	384 x 288	640 x x512
Thermal Camera Lens	Effective 30 mm F/1 Germanium	
Type	Uncooled maintenance free	
Refresh Rate	30Hz	
Colour Palettes	White Hot / Black Hot / Falcon / Iron Red / Hot Iron / Search / Arctic / Rainbow 1 / Track / Iso-Therm	
Image Enhancement	Image Contrast Enhancement - Multi level	
Zoom	Continuous	
Visible Camera	HD Low Light BSI CMOS sensor with image enhancement	
Resolution	1080P	
Zoom	Continuous	
Compression	H.264 / H.265	
Bit Rate	32Kbps ~ 16Mbps	
Frame Rate	1-25fps(50Hz) / 1-30fps(60Hz)	
Streams	Supports dual stream, main stream (1080P; 960P; 720P), Sub Stream (D1; VGA; CIF)	
Design	Full PTZ gimbal, all weather, rugged, lightweight, vibration and shock resistant	
Protocols	Network Protocols: ONVIF Profile S / Others TBC Serial Data: RS485 / Pelco D	
Power Requirements	+12vDC / XXXmA / XW - TBC	
Dimensions / Weight	146mm ø x 206mm(H) / 2Kg	
Environmental / Certification	EN60529 / IP66 / TBC	
Cable Options	Side Entry / Base Entry	
CGEA Rating	6A003B4B / Check for export regulations	