

Technical Specification

Gimbal System	Four axis gyro stabilised fully integrated geared and direct drive gimbal solution
Stabilization	< 100 µrad verified at MIL-specified vibrations up to 4.6G rms.
Dimensions / Weight	205 mm diameter x 275 mm height, 5 Kg
Pan/Tilt Range	Infinite range if payload does not require extending snout (sliprings in both axes)
Slew Rate	Up to 120 °/sec maximum slew rate
Control Interface	1x RS485 & 1x RS-232 for user interaction and external heading/position source
Video Interface	HD-SDI, Ethernet, Component, CVBS (PAL or NTSC)
Feedback Performance	0.036° ± 0.1° typical encoder resolution/accuracy, 200 Hz update rate
Power Requirements	18 -36 Vdc, 70 W (typical)
Temperature	0 °C to +50°C operational, -20 °C to 85 °C storage, option: -40 °C to +50°C operational
Accessories	Hand Control Unit, cable kits, heli-mounts, video recorder, video converters, etc.

Sensors

EO Camera

Resolution	1920 x 1080
Field of View	2.3 - 64°

IR Camera

Type	Cooled
Resolution	640 x 512
Field of View	2.0 - 25°

Optional IR camera

Type	Uncooled
Resolution	640x480
Field of View	6 - 25°

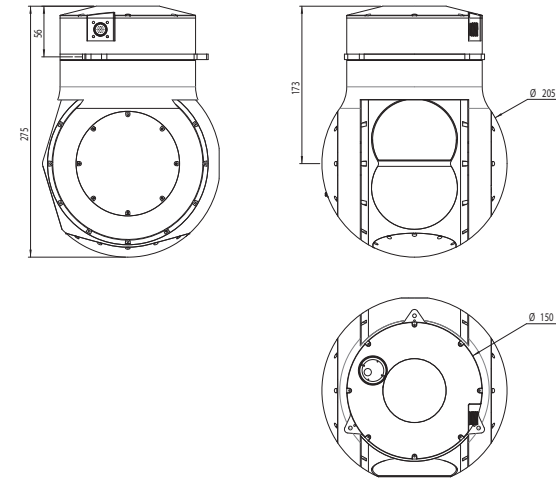
Laser

Laser Range Finder	8 km
Laser Illuminator / Pointer	>4 km

Features

Multi Target Video Tracker
Geo Position and Geo Tracking
KLV Meta data
On board recording
H264 Encoding
Moving Target Indicator
Camera Blending
Image Enhancements
Fiber Optics Gyros
GPS Receiver with Heading
Autofocus
IP56
ITAR FREE
Laser Pointer / Illuminator

Technical Drawing



Range Charts

