



TULPAR R&D Defense and Engineering Technologies inc.

# GIMBAL



TULPAR introduced gimbals for various platforms ranging from Mini-UAV to Large- Size UAVs. The unique Aerodynamic design of TG 50 and TG 200 gimbals make 3-axis gimbals compact as 2-axis platforms. An optional head tracking module has been developed with smooth head tracking in pitch and yaw directions.

[www.tulpartech.com](http://www.tulpartech.com)



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### Specifications:

- 3-Axis active stabilization
- 1-Axis passive vibration isolation

### Gimbal Performance:

- Rotation Limits: Continuous 360° rotation in Roll, Pitch and  $\pm 45^\circ$  in Yaw directions
- High quality slip rings in Roll, Pitch and Yaw axes
- Video from multiple cameras can be switched onboard or viewed simultaneously
- Target Tracking Module
- IP 64 Environmentally sealed
- Working Temperature:  $-30/+50^\circ\text{C}$

### Camera: Daylight Camera:

- 30X Optical Zoom
- Resolution: HD \*(1280 × 720)
- Video Output: Digital
- $\frac{1}{2}$ .8 – type ExmorR CMOS image sensor

### Long Wave IR Camera:

- Dual Field of View lens
- HFOV:  $15.5^\circ - 6.2^\circ$
- Resolution: 640 x 480
- Video Output Format: NTSC or PAL

### Control Interface:

- Serial Port
- Manual control over wireless network
- Control via IMU sensor (free hand)
- Video Out: NTSC or PAL

### Electrical:

- VIN: 10 – 20 Volts
- Power: 16W (average) 20W (max)



TG 200-D



TG 200-N



TG 200-DN



TG 50-DN