

**PRODUCT: PTU / GIMBAL****MODEL: DYN- PTU-01-001****APPLICATION: ELECTRO – OPTICS**

SI.NO	PARAMETERS	SPECIFICATIONS
1.	Drive Transmission	Direct Drive Torque Motor
2.	Pan Range	N x 360°
3.	Tilt Range	-15 ° to +80 °/s
4.	Maximum speed	Azimuth: ≥ 80°/s Elevation: ≥ 80°/s
5.	Minimum Speed	0.001 °/s (or better)
6.	Position Accuracy	≤ ± 0.01°
7.	Angle Reporting Accuracy	≤ ± 0.01°
8.	Command update rate	≥ 100 Hz
9.	Control Execution rate	≥ 100 Hz
10.	Position Resolution	≤ 0.001°
11.	Stabilization	≤ 100 micro radiances in both Az and El direction. Should be capable of stabilizing to ≤ 0.02° RMS under a disturbance of ± 5° in 3 sec for 40kg payload.
12.	Stabilization enable/disable option	Available/Non available
13.	Scan Sector	Programmable and selectable scan speed and sector
14.	Modes of operation	Position, Rate
15.	Weight	≤ 80 kg
16.	Input Voltage	18-32 VDC, Nominal 24VDC
17.	Power Consumption	≤ 1000 W
18.	Communication	RS-422
19.	Environmental requirements	Environmental specification based on JSS-55555 Operational temperature: -20°C to 55° C Storage Temperature: -30° to 70°C Damp Heat :99% RH @40°C Salt fog: According to JSS-55555 Vibration: According JSS-55555 Shock: according to JSS-55555 EMC/EMI: According to MIL-STD-461E

