

CARACAL PAN & TILT SYSTEM, General Specification

| Product Line: CARACAL | | | |
|--|--|--------------------------|--------------------------|
| Type | L- Shape | | |
| Payload Type | Antenna / Camera / Radar / Satellite | | |
| Azimuth / Pan movement | Nx360° or up to 345° (no slip-ring) | | |
| Elevation / Tilt movement | Up to 360° | | |
| Self-Weight [kg] | ~10.5 | | |
| Control mode | Speed / Position | | |
| Communication | Ethernet TCP / RS232 / RS422 / RS485 | | |
| Environmental protection | IP65, Humidity, Temperatures & more... | | |
| Version Type | <u>Standard</u> | <u>High-Performance</u> | <u>Superior</u> |
| Power consumption [V] [A] | 24V & 4Amp | 36V & 6Amp | 48V & 8Amp |
| max Payload (balanced) [kg] | 40 | 25 | 15 |
| Max Acceleration [°/Sec ²] | 100 | 100 | 150 |
| Speed (balanced) [°/Sec] | 0.01-20 | 0.01-40 | 0.01-90 |
| Position Accuracy [°] | ±0.1 | ±0.01 | ±0.01 |
| Position Sensor Encoder | Incremental | Absolute/ Incremental | Absolute/ Incremental |
| Resolution [°] | 0.0007 | 0.0013/ 0.000036 | 0.0013/ 0.000036 |
| Stabilization systems | | | |
| Stabilization Accuracy [°] | ±1 | ±0.5 | ±0.1 |
| Stabilization Sensor | IMU / FOG | | FOG |
| Tracker systems | | | |
| GPS Stabilization by Datum point | ±1 | ±0.5 | ±0.1 |
| GPS Units | LLA / UTM | | |

(¹) Payload dependent

(²) mechanics & power dependent

(³) mass, balance & power dependent

- Control Interface, GPS and Stabilization - Optional

CARACAL PAN & TILT SYSTEM, Stabilized Version

| Product Line: CARACAL - Stabilized | |
|------------------------------------|---|
| Stabilization Accuracy [°] | ±0.1 - ±1 (¹ payload & mechanics dependent) |
| Stabilization Sensor | IMU: |
| | - Gyro range: ±2,000°/Sec |
| | - Accelerometer range: ±16g |
| | - Magnetometer range: ±2.5Gauss |
| | FOG: |
| | - Gyro range: ±490°/Sec |
| | - Accelerometer range: ±10g |

PAN & TILT SYSTEM, General Specification

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|--|--|------|------|
| Type | L- Shape | | |
| Payload Type | Antenna / Camera / Radar / Satellite | | |
| Azimuth / Pan movement | Nx360° or up to 345° (no slip-ring) | | |
| Elevation / Tilt movement | Up to 360° | | |
| Self-Weight [kg] | ~10.5 | | |
| Control mode | Speed / Position | | |
| Communication | Ethernet TCP / RS232 / RS422 / RS485 | | |
| Environmental protection | IP65, Humidity, Temperatures & more... | | |
| Version Type | <u>Standard</u> | | |
| Power consumption [V] [A] | 24V & 4Amp | | |
| max Payload (balanced) [kg] | 40 | | |
| Max Acceleration [°/Sec ²] | 100 | | |
| Speed (balanced) [°/Sec] | 0.01-20 | | |
| Position Accuracy [°] | ±0.1 | | |
| Position Sensor Encoder | Incremental | | |
| Resolution [°] | 0.0007 | | |
| Stabilization systems | | | |
| Stabilization Accuracy [°] | ±1 | ±0.5 | ±0.1 |
| Stabilization Sensor | IMU / FOG | | FOG |
| Tracker systems | | | |
| GPS Stabilization by Datum point | ±1 | ±0.5 | ±0.1 |
| GPS Units | LLA / UTM | | |

(¹) Payload dependent

(²) mechanics & power dependent

(³) mass, balance & power dependent

- Control Interface, GPS and Stabilization - Optional