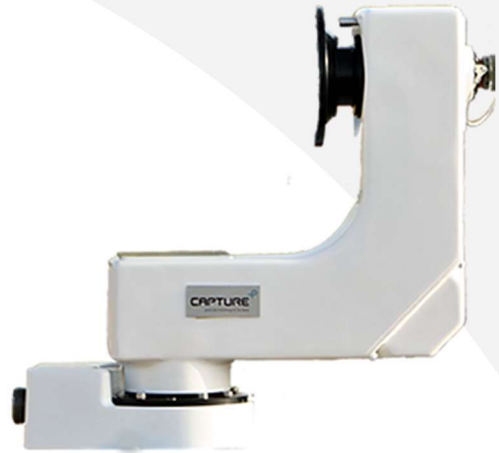


CARACAL

Pan & Tilt System

Caracal pedestal is small, light and designed to be carried easily by a single person.



HIGH PERFORMANCE

This small, yet robust, pedestal includes all the benefits of our precision positioning mechanisms incorporated into a small economic package.

Due to its size to weight ratio, the Caracal is capable of supporting payloads of up to 40kg while maintaining perfect precision and movement.

Built-in control electronics and software provide a precise, smooth motion at all speeds, while an integrated slipping allows a continuous rotation of the yaw axis.



STANDARD



SUPERIOR



PAYLOAD

15 kg – 40 kg



POSITION ACCURACY

±0.1°



SPEED

0.01 - 20/40/90 °/Sec

| General Specifications

| | |
|---------------------------|--|
| 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 | ~10.5 kg |
| Control mode | Speed / Position |
| Communication | Ethernet TCP / RS232 / RS422 / Rs485 |
| Environmental protection | IP65, Humidity, Temperatures & more... |

| Version Type | STANDARD | HIGH-PERFORMANCE | SUPERIOR |
|-------------------------|------------------------|------------------------|------------------------|
| Power consumption | 24V & 4Amp | 36V & 6Amp | 48V & 8Amp |
| Max Payload (balanced) | 40 kg | 25 kg | 15 kg |
| Max Acceleration | 100 °/Sec ² | 100 °/Sec ² | 150 °/Sec ² |
| Speed (balanced) | 0.01-20 °/Sec | 0.01-40 °/Sec | 0.01-90 °/Sec |
| 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

| Version Type | STANDARD | HIGH-PERFORMANCE | SUPERIOR |
|------------------------|-----------|------------------|----------|
| Stabilization Accuracy | ±1° | ±0.5° | ±0.1° |
| Stabilization Sensor | IMU / FOG | IMU / FOG | FOG |

| Tracker systems

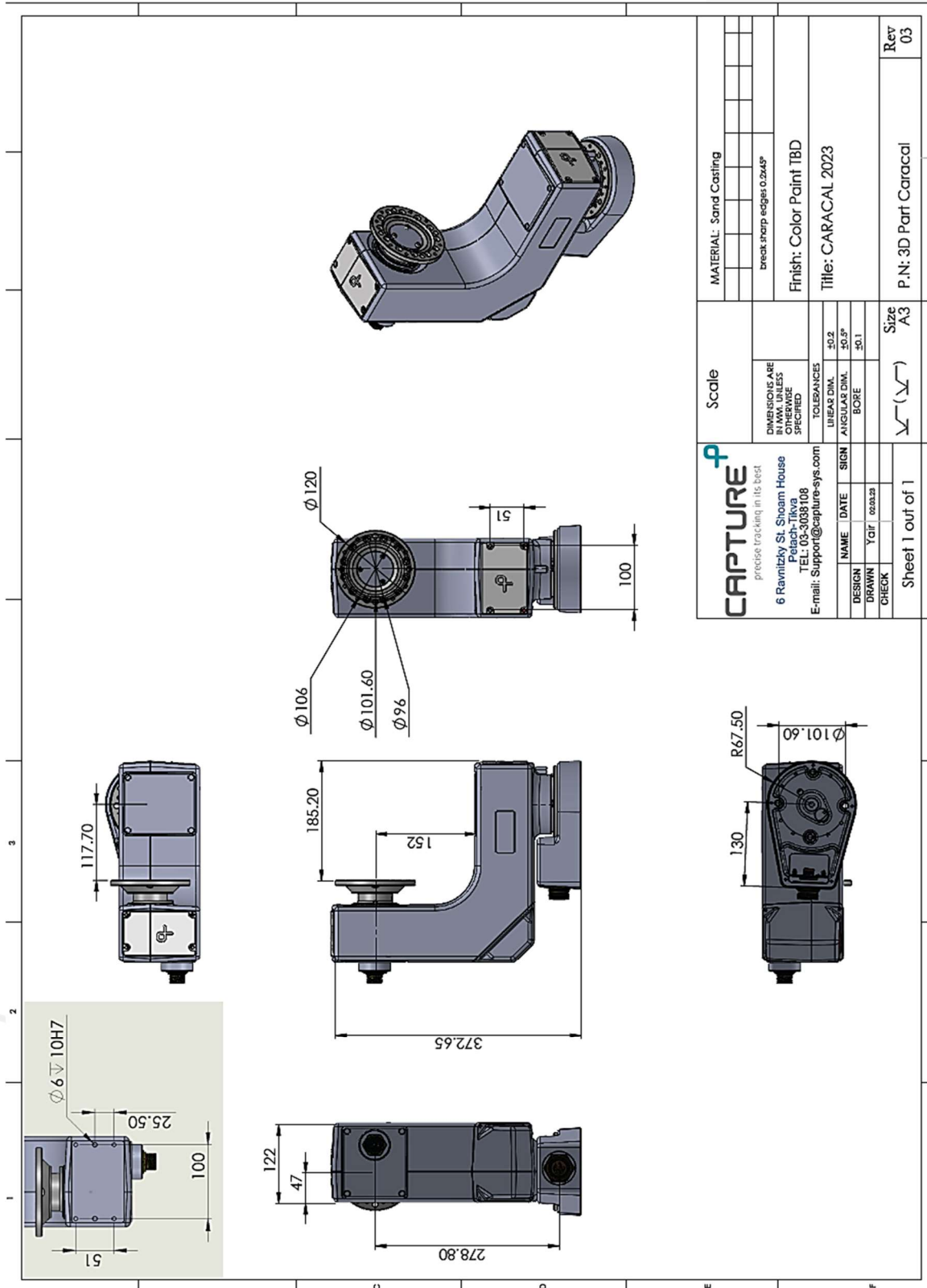
| Version Type | STANDARD | HIGH-PERFORMANCE | SUPERIOR |
|----------------------------------|-----------|------------------|-----------|
| GPS Stabilization by Datum point | ±1 | ±0.5 | ±0.1 |
| GPS Units | LLA / UTM | LLA / UTM | LLA / UTM |



Contact us at:

CAPTURE SYSTEMS LTD,
Ravnitzky St.6, Petach Tikva, Israel
Phone: +972-3-3038108
Fax: +972-3-6200621
sales@capture-sys.com
www.capture-sys.com

| MICD



| | | | |
|---|-------|---------------------------|------|
| Scale | | MATERIAL: Sand Casting | |
| DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED | | break sharp edges 0.2x45° | |
| TOLEANCES | | Finish: Color Paint TBD | |
| LINEAR DIM. | ±0.2 | Title: CARACAL 2023 | |
| ANGULAR DIM. | ±0.2° | P.N: 3D Part Caracal | |
| BORE | ±0.1 | Rev 03 | |
| Sheet 1 out of 1 | | Size A3 | |
| CAPTURE^P precise tracking in its best 6 Ravnitzky St. Shoam House Petach-Tikva TEL: 05-3038108 E-mail: Support@capture-sys.com | | | |
| DESIGN | NAME | DATE | SIGN |
| DRAWN | YGR | 02/23/23 | |
| CHECK | | | |

Pictures are for illustration purposes only.



Contact us at:

CAPTURE SYSTEMS LTD,
 Ravnitzky St.6, Petach Tikva, Israel
 Phone: +972-3-3038108
 Fax: +972-3-6200621
 sales@capture-sys.com
 www.capture-sys.com