CAPTURE
precise tracking at its best

CARACAL

PAN & TILT SYSTEM

- 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 up to 40 kg while maintaining perfect precision and movement.

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

- Our SELF-LOCK-SYSTEM will guarantee that you save your position even in case of a power off.

CARACAL

General Specifications

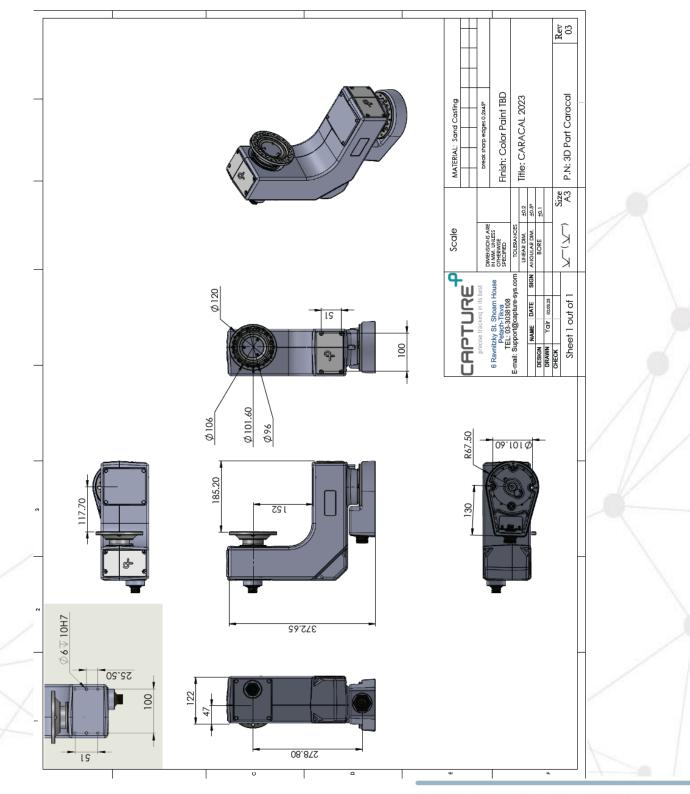| Type	L- Shape		
Payload Type	Antenna / Camera / Radar / Satellite		
Azimuth / Pan movement	Nx360˚ or up to 345˚ (no slip-ring)		
Elevation / Tilt movement	Up to 360˚		
Self-Weight [kg]	~10.5		
Control mode	Speed / Position		
Communication	Ethernet TCP / RS232 / RS422 / Rs485		
Environmental protection	IP65, Humidity, Temperatures & more…		
Version Type	**Standard**	**High-Performance**	**Superior**
Power consumption [V] [A]	24V & 4Amp	36V & 6Amp	48V & 8Amp
max Payload (balanced) [kg]	40	25	15
Max Acceleration [˚/Sec²]	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		

(**) mechanics & power dependent

(***) mass, balance & power dependent

- Control Interface, GPS and Stabilization - Optional

CARACAL
MICD

MATERIAL: - Sand Casting

break sharp edges 0.2x45°

Finish: Color Paint TBD

Title: CARACAL 2023

P.N: 3D Part Caracal

Scale

DIMENSIONS ARE IN MM. UNLESS OTHERWISE SPECIFIED

TOLERANCES
LINEAR DIM. ±0.2
ANGULAR DIM. ±0.5°
BORE ±0.1

Size
A3

Rev
03

	NAME	DATE	SIGN
DESIGN			
DRAWN	Yair	02.03.23	
CHECK			

Sheet 1 out of 1

Ø120
Ø106
Ø101.60
Ø96
51
100

117.70
185.20
152
372.65

R67.50
Ø101.60
130

Ø6 ▽ 10H7
25.50
100
51
122
47
278.80