

JAGUAR

Pan & Tilt System

JAGUAR is a heavy-duty unit, capable of supporting payloads up to 85 Kg without losing precision and designed to be a true REAL-TIME long range observation system.

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



PAYLOAD
~85 kg



POSITION ACCURACY
 $\pm 0.01^\circ - \pm 0.0045^\circ$
 $\pm 0.001^\circ - \pm 0.0045^\circ$ DDR



SPEED
0.001 - 200 °/Sec



DIMENSIONS L x W x H
813 x 272 x 820

| General specification

Gear Type	Gear	DDR
Shape	U – Shape	U – Shape
Dimensions L x W x H	813 x 272 x 820	813 x 272 x 820
Azimuth	Nx360°	Nx360°
Elevation	Up to 360°	Up to 360°
Self-Weight	~38 kg	~38 kg
Operation Temperature (deg)	-20° – +65° / optional -40° – +85°	-20° – +65° / optional -40° – +85°
Control mode	Speed / Position	Speed / Position
Communication	Ethernet TCP / RS232 / RS422	Ethernet TCP / RS232 / RS422
Environmental protection	IP66	IP66
Max Payload (balanced)	~85 kg	~85 kg
Max Acceleration	200 °/Sec ²	200 °/Sec ²
Speed (balanced)	0.001 – 200 °/Sec	0.001 – 200 °/Sec
Position Accuracy	±0.01° – ±0.0045°	±0.001° – ±0.0045°
Encoder	Absolute 18 bit	Absolute up to 26 bit
Gear Backlash	3arc/ sec	NA
Slipping	30 wires	30 wires
Power Consumption	24-48V / 2 to 6 amp	24-48V / 6 to 15 amp
Bandwidth	Up to 100 Hz	Up to 100 Hz

| MICD

This document and its content are sole property of Capture-Sys Ltd. The recipient of this document shall not copy, distribute and / or use in any way without obtaining a prior written consent from Capture-Sys.		REVISIONS <table border="1"> <thead> <tr> <th>ZONE</th> <th>REV.</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		ZONE	REV.	DESCRIPTION	DATE	APPROVED							
ZONE	REV.	DESCRIPTION	DATE	APPROVED											
Power & data connectors															
CAPTURE^P precise tracking in its best <table border="1"> <thead> <tr> <th>NAME</th> <th>DATE</th> <th>SIGN</th> </tr> </thead> <tbody> <tr> <td>DESIGN Gennadi</td> <td>05.04.2024</td> <td> </td> </tr> <tr> <td>DRAWN Gennadi</td> <td>05.04.2024</td> <td> </td> </tr> <tr> <td>CHECK Shay</td> <td>05.04.2024</td> <td> </td> </tr> </tbody> </table> Sheet 1 out of 1		NAME	DATE	SIGN	DESIGN Gennadi	05.04.2024		DRAWN Gennadi	05.04.2024		CHECK Shay	05.04.2024		MATERIAL: break sharp edges 0.2x45° Finish: Title: JAGUAR ASSY. QTY. 1 P.N: 06-JAG-01-000-000 Rev 00	
NAME	DATE	SIGN													
DESIGN Gennadi	05.04.2024														
DRAWN Gennadi	05.04.2024														
CHECK Shay	05.04.2024														

ntact 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