



POS-KHETY

POS SERIES

DIRECT DRIVE HIGH PRECISION TWO-AXIS POSITIONER

The **iXBlue** two-axis **POS-KHETY** Series platform is designed for land and naval applications. This turret integrates optical, laser, telescope or antenna systems with very accurate motion on its two automatic rotating axis, used for surveillance, detection or communication applications. This system, based on **iXBlue** mechatronics know-how, is designed, developed and integrated with the latest technologies of control and automatic tracking and pointing functions.

FEATURES

- Two direct drive axis
- Real-time interface for sensor in-the-loop control
- Advanced model-based controller
- Gyro-stabilization
- Target tracking option

BENEFITS

- Very high pointing accuracy
- Compact and low consumption
- Easy setup
- High bandwidth
- Easy setup

APPLICATIONS • Tracking • Surveillance • Detection • Recognition • Identification

- For space, aerospace, land, naval, borders



POS-KHETY

TECHNICAL SPECIFICATIONS

PERFORMANCE depending on characteristics of payloads – given for nominal payload

Rotational freedom
Direct mechanism

Position

Accuracy
Repeatability
Resolution
Orthogonality

Dynamic

Rate
Max acceleration with payload

Inner/EL Axis limited Outer/AZ Axis Unlimited

Direct / AC brushless motor

+/- 30 arc sec standard (better on request)
+/- 10 arc sec
0,001 deg
< 30 arc sec

Inner/EL Axis

+/- 120 deg/sec
+/- 100 deg/sec²

Outer/AZ Axis

+/- 120 deg/sec
+/- 100 deg/sec²

OPERATING RANGE / ENVIRONMENT

Temperature conditions
Environment
Protection against water

Operating range -30°C to +55°C (storage: -55°C to +70°C)
MIL-STD-810G for operation and storage
IPX5

PHYSICAL CHARACTERISTICS

Nominal payload weight
Nominal volumes of payload
Input voltage
Slip-rings
Weight

100 kg (220 lbs) (200 kg max – 440 lbs)
< 600 mm diameter (23,6 in) / about 1m long
18/36 VDC
20 lines 2A
< 300 kg

GENERAL SPECIFICATIONS

Command
Communication interfaces

iXBlue ProAxe Graphical User Interface
RS232, RS422, Ethernet

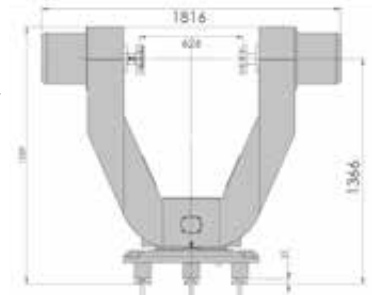
OPTIONS & ACCESSORIES

CA

BK
Marine Environment
Tracking

Power supply

Custom Arm shape and dimension according payload
Optional Brake on both axis
Marine Environment compatibility
Video tracking unit with **iXBlue** NGene Controller
1 Phase 115/230VAC external



Performance can change depending on configuration / Specifications are subject to change without notice / Please contact **iXBlue** for special requirements