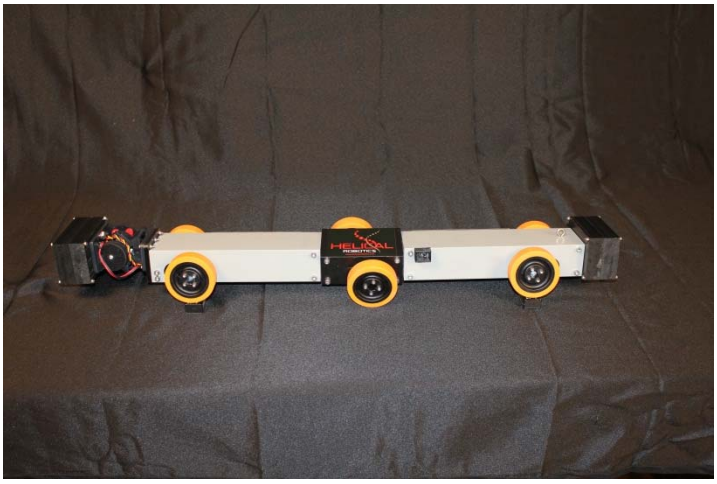
Confined Space Inspection Robot

HELICAL ROBOTICS

Helical Robotics
Javelin Series



HR-JP10 Features

HR-JP10 is a single man portable, confined space climbing robot.

- Lightweight and portable 6 wheel drive with dual articulating joints.
- User defined payload surface allows for a wide range of tooling and equipment compatibility.
- Small size allows confined space operations in pipes from 5.5" (14 cm) dia. or passage under 3.5" (8.9 cm) overhangs.
- Full wireless operation allows for expanded work environment.
- Multiple wheel sizes and materials available.
- Optional equipment shown.
- 6 wheel drive system for making it over obstacles.

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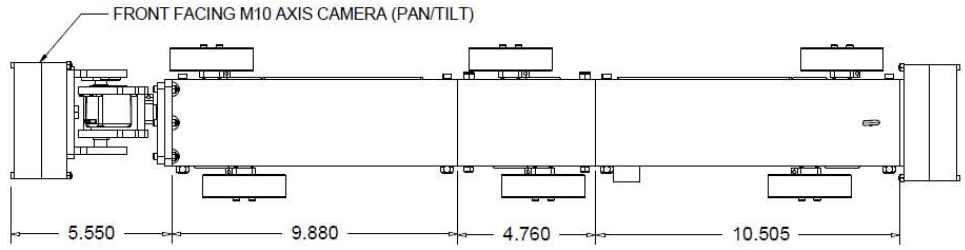

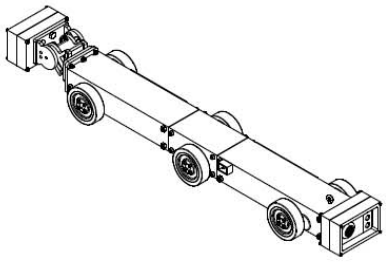

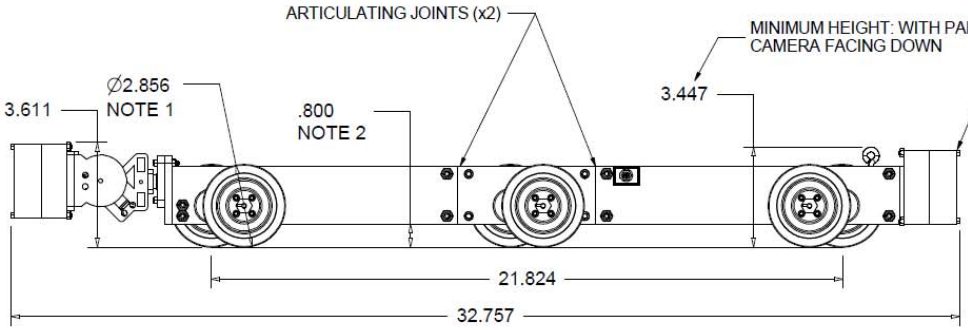

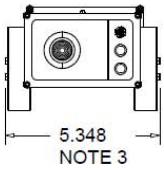

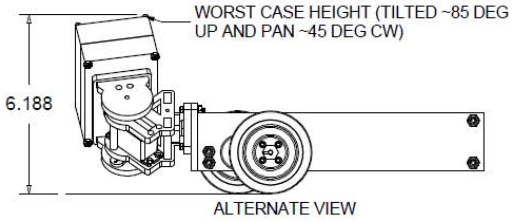

NOTES:
1. SHOWN WITH 2.856 DIAMETER WHEELS. CAN HAVE UP TO 4.0 DIAMETER.
2. GROUND CLEARANCE IS .75 WITH 2.75 DIAMETER WHEELS
3. WIDTH WITH OPTIONAL 2.75 DIAMETER NARROW WHEELS: 4.3
4. DIMENSIONS FOR REFERENCE ONLY
5. DRAWING UNITS = INCHES UNLESS OTHERWISE NOTED

Model	HR-JP10
Robot Mass	10.3 lbs (4.7 kg)
Footprint	32.8 x 5.3 in (83.3 x 13.4 cm)
Minimum Height	3.45 in (8.76 cm)
Turning Radius	Zero Degrees
Transport	Pelican® case included
Max Payload Capacity	10 lbs (4.5 kg)
Drive System	6 Wheel Drive (Articulating)
Top Speed	63 ft/min (19.2 m/min)
Drive and Control Battery	1 Ni-MH Pack (4.2 Ah Capacity)
Control Mode	2.4 GHz Radio Controlled (6 WD Standard Wheel)
Radio Control Battery	1 Ni-MH (2.0 Ah Capacity)
Radio Control Range	2500 ft (762 m) Line of Sight
*Data Acquisition	Helical Robotics proprietary Wireless to Laptop, Tablet, or Smart Phone
Telemetry	Temperature/Drive Motor & Radio Battery Voltage/Signal Strength
Operating Temperature	14 °F - 122 °F (-10 °C to °50 C)

Information subject to change.
Based on optimal conditions.
*Optional Equipment Shown