PRO 370
PRO 550

TURNKEY SYSTEMS
READY FOR NEXT GENERATION SATELLITES
S / X / KA-BAND

PRO Series antennas are the flagship antenna systems of Zodiac Data Systems. Their state-of-the-art technology and full motion tracking capabilities have made them successful worldwide.

The PRO Series is defined as a complete package including all capabilities (simultaneous dual polarization, single channel monopulse tracking and test capabilities in all bands), basebands and services. They ensure our customers a smooth deployment, easy operational start and a long service life in all environments.

- **Scientific Missions**
- **Earth Observation Satellites**
- **Service Providers**
**Satellite Tracking Solutions**

**PRO 370 / 550**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PRO 370</th>
<th>PRO 550</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DIAMETER</strong></td>
<td>3.7 m</td>
<td>5.5 m</td>
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<tr>
<td><strong>CONFIGURATION</strong></td>
<td>S+Ka</td>
<td>X or S+X or S+Ka or S+X+Ka</td>
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</tbody>
</table>

**S-Band**
- Rx [2.200 - 2.300 GHz]
- Tx [2.025 - 2.120 GHz]
- G/T Mid-Band, 5° Elevation, Clear Sky, +20°C, Continental
- Rx Polarization
- EIRP @ Psat: 54 dBW
- Tx Polarization
- LHCP and RHCP (Simultaneous)
- >13 dB/K

**X-Band**
- Rx [7.900 - 8.500 GHz]
- G/T Mid-Band, 5° Elevation, Clear Sky, +20°C, Continental
- Rx Polarization
- LHCP + RHCP
- N/A

**Ka-Band**
- Rx [25.500 - 27.000 GHz]
- G/T Mid-Band, 5° Elevation, Clear Sky, +20°C, Continental
- Rx Polarization
- LHCP and RHCP (Simultaneous)
- >30.5 dB/K

**Mode of Operations**
- Auto-Track Mode
- Single Channel Monopulse – Triband/Polarization Switchable in each band (ZDS Patented)

**Accuracies**
- Tracking Accuracy: 0.03° rms
- Pointing Accuracy: 0.10° rms
- EIRP @ Psat: >16 dB/K

**Environmental Conditions**
- Operating Wind: 90 km/h (56 mi/h) gust
- Survival Wind: 180 km/h (112 mi/h) 200 km/h (125 mi/h)
- Operating Temperature: -20°C to + 50° C (-4°F to +122° F)

**BASEBAND**

- **The Space Community Standard**
  - TT&C Modem: Cortex CRT
  - High Rate Demodulator: Cortex HDR

**PRO Series**

Highest Quality, Best Performance & Ultimate Service Level