<table>
<thead>
<tr>
<th><strong>Optical System</strong></th>
<th><strong>Ritchey-Chretien</strong></th>
<th><strong>Mounting</strong></th>
<th><strong>AP3600</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Diameter</td>
<td>24.0”</td>
<td>Instrument Cap.</td>
<td>300 lbs.</td>
</tr>
<tr>
<td>Specular Precision</td>
<td>≤ 1/25 wave front RMS</td>
<td>Tracking Precision</td>
<td>≤ 1 Arc Sec After Error Correction</td>
</tr>
<tr>
<td>Mirror Substrate</td>
<td>Zero expansion ceramic</td>
<td>Pointing Precision</td>
<td>&lt; 30 Arc Sec RMS (After Modeling)</td>
</tr>
<tr>
<td>Focal Ratio</td>
<td>f/8.1</td>
<td>R.A. Drive</td>
<td>Al. 13”, 256 Tooth Research Grade Gear</td>
</tr>
<tr>
<td>Image Scale</td>
<td>42.1 arc sec/mm</td>
<td>Dec. Drive</td>
<td>Al. 13”, 256 Tooth Research Grade Gear</td>
</tr>
<tr>
<td>Tube Diameter</td>
<td>29”</td>
<td>R.A. Bearings</td>
<td>Al. 13”, 256 Tooth Research Grade Gear</td>
</tr>
<tr>
<td>Tube Length</td>
<td>66”</td>
<td>Dec. Bearings</td>
<td>120mm O.D.</td>
</tr>
<tr>
<td>Active Cooling</td>
<td>Magnetic Levitation Fans</td>
<td>Worm Blocks</td>
<td>120mm O.D.</td>
</tr>
<tr>
<td>Material</td>
<td>Al and Carbon fiber (White)</td>
<td>Worm Blocks</td>
<td>Spring Loaded, Near Zero Backlash</td>
</tr>
<tr>
<td>Focuser Tube I.D.</td>
<td>4.2”</td>
<td>Pier</td>
<td>42” High</td>
</tr>
<tr>
<td>Back Focus</td>
<td>11.5”</td>
<td>Weights</td>
<td>210 lb.</td>
</tr>
<tr>
<td>Secondary Diameter</td>
<td>9”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sec. Focus Range</td>
<td>12” (electric)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Focus Stabilization</td>
<td>Over 100° F Range</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>