

ASA AZ800 Ritchey-Chrétien telescope f10**A HIGH-END COMPLETE TELESCOPE SYSTEM.**

AZ800 is a 0.8m (800mm) fully automated observatory telescope system.
Ritchey-Chrétien Alt-Az telescope f10 with Nasmyth focus
Direct Drive motors with absolute encoders on all axes.

Main Facts**Optical design**

Ritchey-Chrétien RC

Linear central obstruction

41%

Focus position

Nasmyth 2 as standard, 4 as option

Focal length

5480mm

Focal ratio system

f10

Clear Aperture / Focal Ratio Primary Mirror

800mm (31,5 inch) / f2.5

Image field

120mm (1.25 degrees)

Mirror material

Fused silica

Surface quality

>94 strehl

Microroughness

1nm RMS / <0.7nm Ra

CoatingAl+SiO₂ >96 %**Back Focus from flange**

252.7mm

Weight tube

800 kg (1763.7 lbs)

Azimuth / altitude range of motion

680 degree / 5-90 degree

Software

ASA API (application programming interface) available autumn 2023 ASA
Software(Autoslew, Sequence-windows based, ACC) with ASCOM-Alpaca

Max. slew speeds

Up to 50 degrees per second

Pointing Accuracy (20° to 85°)

<8" RMS with pointing model

Tracking Accuracy (20° to 85°)

<0,25" RMS within 5 minutes tracking time over 5 min 0,05" RMS/min

System Natural Frequency

10 Hz or greater

