

~~Optical Guidance Systems~~

Research Telescopes

2450 Huntingdon Pike, Huntingdon Valley, PA 19006
www.OpticalGuidanceSystems.com | 215.947.5571

RC24 – AP3600



Optical System

Primary Diameter	24.0"
Specular Precision	$\leq 1/25$ wave front RMS
Mirror Substrate	Zero expansion ceramic
Focal Ratio	f/8.1
Image Scale	42.1 arc sec/mm
Tube Diameter	29"
Tube Length	66"
Active Cooling	Magnetic Levitation Fans
Material	Al and Carbon fiber (White)
Focuser Tube I.D.	4.2"
Back Focus	11.5"
Secondary Diameter	9"
Sec. Focus Range	12" (electric)
Focus Stabilization	Over 100° F Range

Ritchey-Chretien

Mounting

Instrument Cap.	300 lbs.
Tracking Precision	≤ 1 Arc Sec After Error Correction
Pointing Precision	< 30 Arc Sec RMS (After Modeling)
R.A. Drive	Al. 13", 256 Tooth Research Grade Gear
Dec. Drive	Al. 13", 256 Tooth Research Grade Gear
R.A. Bearings	120mm O.D.
Dec. Bearings	120mm O.D.
Worm Blocks	Spring Loaded, Near Zero Backlash
Pier	42" High
Weights	210 lb.

AP3600