

# ~~Optical Guidance Systems~~

## Research Telescopes

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

### RC20 – AP3600



#### Optical System

Primary Diameter	20.0"
Specular Precision	$\leq 1/25$ wave front RMS
Mirror Substrate	Zero expansion ceramic
Focal Ratio	f/8.1
Image Scale	49.9 arc sec/mm
Tube Diameter	24"
Tube Length	54"
Active Cooling	Magnetic Levitation Fans
Material	Wound Carbon fiber (White)
Focuser Tube I.D.	4.2"
Back Focus	10.5"
Secondary Diameter	7.25"
Sec. Focus Range ✓	12" (electric)
Focus Stabilization	Over 100° F Range

#### Ritchey-Chretien

#### Mounting

Instrument Cap.	300 lbs.
Tracking Precision	$\leq 1$ 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	150 lb.

#### AP3600