

# ~~Optical Guidance Systems~~

## ~~Research Telescopes~~

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

### RC12.5 XZe - MX

#### Optical System

Primary Diameter	12.5"
Specular Precision	$\leq 1/25$ Wave Front RMS
Mirror Substrate	Zero Expansion Ceramic
Focal Ratio	f/9
Image Scale	72.1 Arc Sec/mm
Tube Diameter	15.5"
Tube Length	40
Active Cooling	Magnetic Levitation Fans
Material	Carbon Fiber
Focuser Tube I.D.	2.5"
Back Focus	9.5"
Secondary Diameter	5"
Sec. Focus Range	5" (Robo Focus)
Focus Stabilization	Over 100° F Range

#### Ritchey-Chretien

#### Mounting

Instrument Cap.	100 lbs.
Tracking Precision	$\leq 1$ Arc Sec After Error Correction
Pointing Precision	$< 10$ -30 Arc Sec RMS (After Modeling)
R.A. Drive	Al. 11.4", 576 Tooth Research Grade Gear
Dec. Drive	Al. 7.4 5", 375 Tooth Research Grade
R.A. Bearings	8.6" O.D., 5.9" I.D.
Dec. Bearings	6" O.D., 4.3" I.D.
Worm Blocks	Spring Loaded, Near Zero Backlash
Pier	48" High

#### Paramount MX

