



R C O P T I C A L S Y S T E M S

Carbon 16 inch f/8.4 Ritchey-Chrétien



RCOS 16 inch Carbon Ritchey-Chrétien (shown with optional PIR, ST10XME, and Borg 100ED Piggy-back Refractor).

16 inch (0.41 meter) RC Specifications

<ul style="list-style-type: none"> 16 inch F/8.4 Ritchey-Chrétien Zero Expansion Astro-Sitall Optics by Star Instruments certified to at least 1/25 RMS. Fringe analysis and interferometric data supplied with each optical set. Enhanced Aluminum (SiO₂/TiO₂) overcoat - 96.9% reflectivity. Low Expansion, light weight Carbon Fiber Tube for superior performance and stability. 6061 Aluminum components - All CNC Machined. Precision Secondary Mirror Focuser. 2-Stage Primary mirror baffle with internal knife-edge light stops. Secondary light baffle. 6061 Aluminum Mounting Rings - CNC Machined. 6061 Aluminum End Ring - CNC Machined. Active Cooling. RCOS "Focus and Forget" Technology. CNC Machined "light weight" dovetail plates - top and bottom. Losmandy RDF-90 Finder Scope 3-point mounting bracket. Built in carbon dew shield. Fixed Instruments (rear cell) Adapter Set - FIA. Tube end ring (aluminum). CNC machined dust cap. Diffuse Flat Field "Light Screen". 	System:	16" f/8.4
	Base Price:	\$26,980
	Order Status:	Open
	Back Focus:	14"
	Carbon Tube Length/Diameter:	49" / 19"
	Primary Focal Length:	48"
	Primary Hole:	4.0"
	Primary to Secondary Spacing:	31.7"
	Radius of Field Curvature:	17.67"
	Secondary Amplification:	2.8X
	Secondary Size:	6.00"
	Total Weight: *	87 pounds

*100% ready for imaging as equipped above including rings and dovetail plates.

Recommended Options

RCOS Precision Instrument Rotator (PIR). Controlled by the Telescope Command Center.	\$1,800
RCOS Telescope Command Center (TCC) Controller - Thermal monitor of primary, secondary and ambient air temperature, includes and controls fans, secondary focus position, secondary dew heater operation, and operation of optional Instrument Rotator. Includes Servo DC motor to electronically operate the secondary focuser.	\$1,500
Mini Borg 45 ED f/6.6 Refractor for Finder Scope (Mini45).	\$339
Mini Borg 50 Ach f/5 Refractor for Finder Scope (Mini50).	\$285
Borg 76mm ED Refractor for Piggy back Guide Scope, Finder Scope, or Wide Field Imager (76ED).	\$810
Borg 100mm ED Refractor F4/F6.4 PH for Piggy back Guide Scope, or Wide Field Imager (100ED).	\$2,890
RCOS modified AP 2.7 inch Focuser (AP27).	\$600
16 inch f/9 Ion Milled optics. Adds 6-12 months to delivery.	CALL
Robo-Focus for RCOS Secondary Focuser.	\$525