OFFICINA STELLARE
WORKSHOP OF THE STARS

RiDK 500

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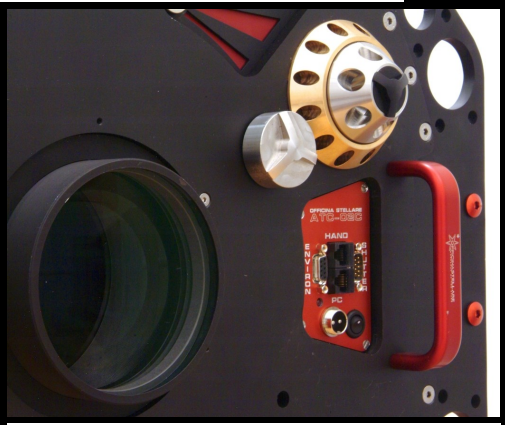
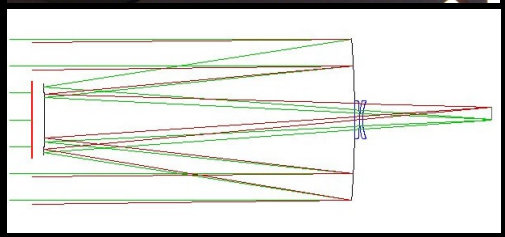
SPECIFICATIONS:

Primary mirror diameter: **500 mm (20")**
Focal ratio: **F/7**
Focal length: **3500 mm (137")**
Linear obstruction: **48%**
Full corrected and illuminated field: **80 mm**
Dimensions: **660 x 570 x 1270 mm**
Weigth: **85 Kg (188 lb)**
Long back focus extraction: **240 mm (9.5") from back plate**
RMS polychromatic (430-730 nm) spot: **under 3 micron @ 21 mm off axis**
RMS polychromatic (430-730 nm) spot: **under 4 micron @ 26 mm off axis**
RMS polychromatic (430-730 nm) spot: **under 6 micron @ 40 mm off axis**



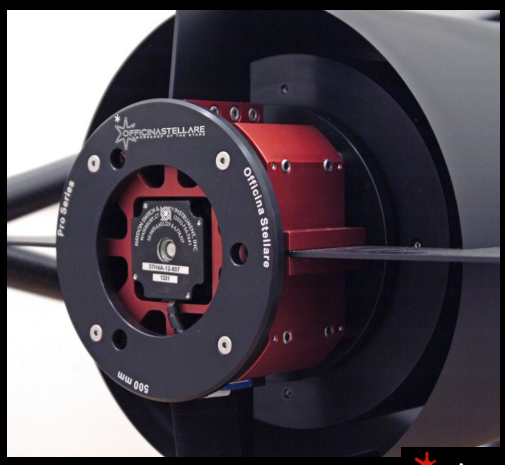
Standard configuration:

95 mm manual FineFocus focuser (motor on secondary mirror already installed, add ATC-02 to use it), carbon/aluminum truss tube design, splitted light baffle, 7" dovetail and a Losmandy on top for accessories, TC-01 three ventilation fans and mirrors heaters with manual control, shroud and cap covers.Primary cell detachable for an easy cleaning of mirror.



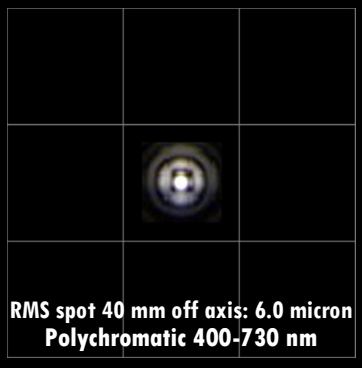
Optional accessories:

Digital focusers and rotators, focal reducer, ATC-02 advanced electronic, mirror shutters, finderscopes, customized imaging train parts and more.



RMS spot size dimensions (400-730 nm range, 9 micron pixels grid)

RMS spot on axis: 2.2 micron
Polychromatic 400-730 nm



RMS spot 40 mm off axis: 6.0 micron
Polychromatic 400-730 nm

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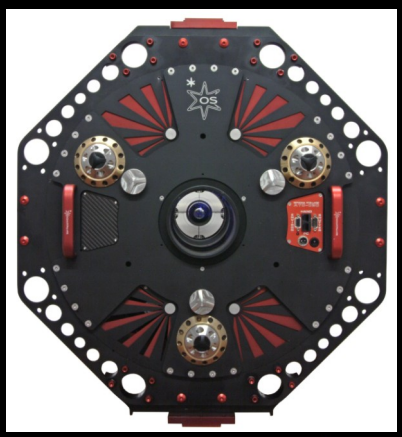
RiDK 500

Officina Stellare introduces RiDK 500, a revolution in optical design.

EASY TO ALIGN - SMALL SPOT SIZE - WIDEST CORRECT FIELD - FASTER F/7 FOCAL RATIO - THERMAL STABILITY
HIGHER RESOLUTION, FAINTER STARS DETECTABLE - GREAT FOCUS EXTRACTION

Almost everyone knows about the high level of innovation and technology that comes with any OS products, it's clear at first sight. Many knows that we've introduced new optical designs for nowdays demanding marketplace among amateurs and professionals, it is the base of our company, trying to be "smart" and one step beyond. So: we did it again!
Our challenge was to develop something different from a "Corrected RC", with the same number of elements, the same pros (large corrected field, small spot size), but not the same cons (high cost and difficult to align). Is that possible? Yes, it is possible!
The answer is the new **RiDK Range** from Officina Stellare. The **RiDK Range** (Riccardi Dall-Kirkham) represents the new reference point for all modified Dall-Kirkham instruments available on the market. The unique experience and creativity of Massimo Riccardi, Chief Optical Designer at Officina Stellare, gives birth to a new 500 mm diameter astrograph of superior performance and image quality. The results are simply amazing: an optical system based on a spherical secondary mirror (then very easy to aling!) able to deliver 80 mm large corrected and flat field that with a polychromatic (range 400 to 730 nm) maximum 4 micron spot size at 16803 class chip field edge! These outstanding optics are mounted inside the state of the art OS truss mechanics used in all the OS open tube architecture telescopes. The same mechanics approved and used from worldwide research institutes for professional studies, designed to be thermal stable versus temperature change. The **RiDK 500** is 100% Made in Italy. Optics are made in Occhiobello Plant under the strict quality control of Massimo Riccardi. The mechanics, designed by our R&D Manager, Giovanni Dal Lago, are engineered,manufactured and assembled at the Thiene plant. The **RiDK 500** is the ultimate astroimaging telescope for whoever desires just the best in imaging all of the deep sky wonders in a beautiful, compact and superbly manufactured instrument. The long back focus allows any type of accessories to mounted, including cameras and rotators. It's the telescope for anybody believes that imaging the Universe is one of the most important, serious and fullfilling experience for all night sky's lovers and for for those who believe that images perfection is the minimum to which to aspire.



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More on www.officinastellare.com!

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