Ferrari ZenithStar Racing

YOUR PARTNER FOR OPTICS: WILLIAM OPTICS

The unprecedented Ferrari ZenithStar Racing Edition is a telescope built to deliver first-class optical performance without renouncing aesthetic perfection.

The distinctive design and packaging make it an ideal present for Ferraristi. Like their dream cars, Ferrari ZenithStar Racing is made piece by piece with only the highest quality materials to ensure a lifetime of gratifying possession. It is ideal for casual observations, astronomy, photography and as a spotting scope.

For more information on products developed by William Optics inspired by Ferrari, please visit:

www.williamopticsracing.com
www.williamoptics.com

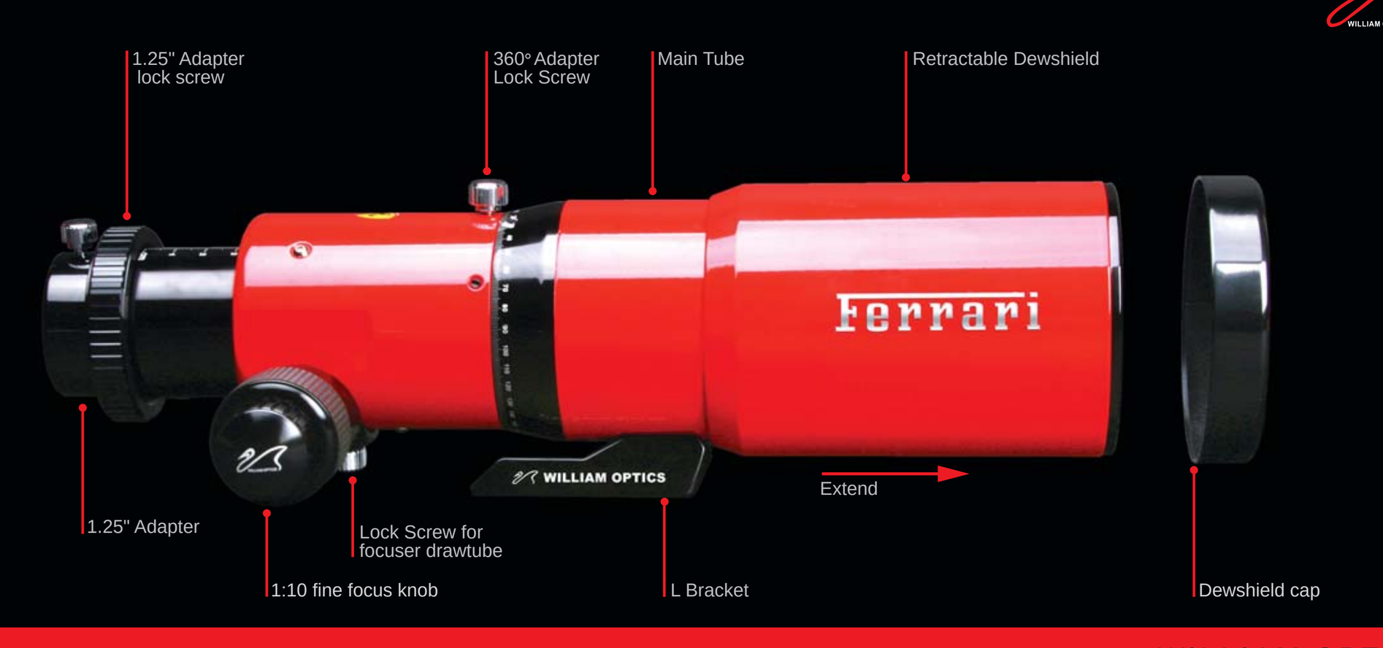
InspiRED by Ferrari: GETTING TO KNOW YOUR FERRARI RACING

Designed for multiple purposes, this little red scope will delight you from the first minute of use. The Ferrari ZenithStar Racing is the king of refractors. Entirely made of automotive-grade aluminum, painted with powder paint "Rosso Scuderia" red, it is the ultimate optical product to add to your collection. Easy to set-up, all you need is a camera tripod and you are ready to go. Designed to be able to connect to DSLR cameras (optional adapter needed), it can double as a great telephoto lens. The zoom eyepiece will provide magnification from 25x to 50x, enough for most applications.

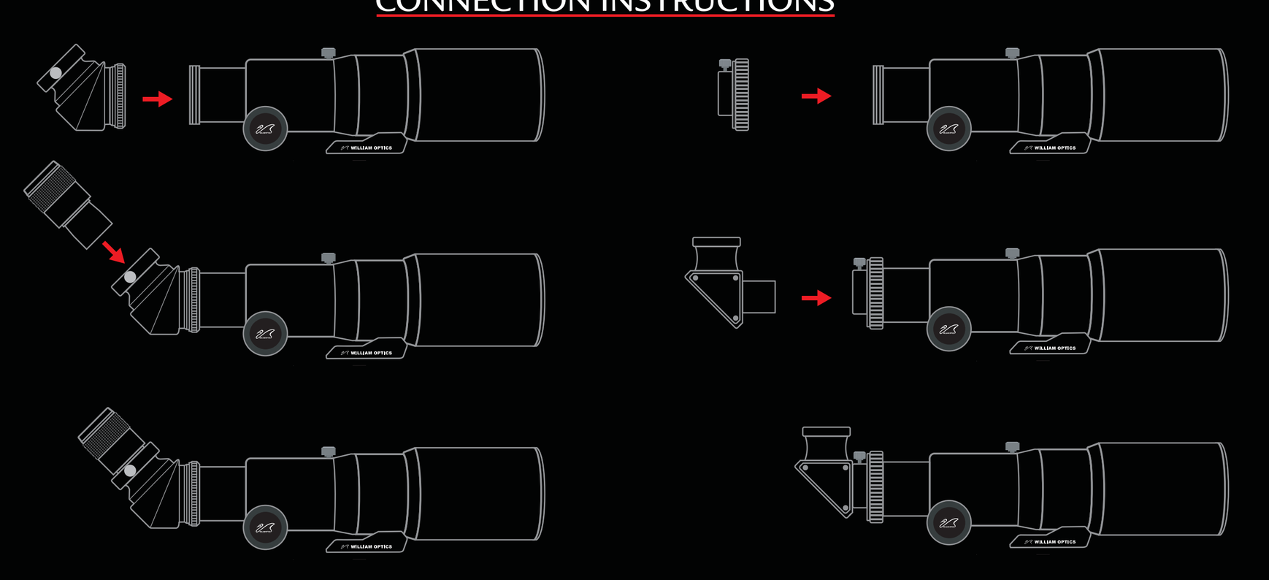
The provided erecting prism and zoom eyepiece are interchangeable with a full series of optional accessories for all needs. A 1.25"adapter is provided in the package.

Bundle equipment and accessories

1. Ferrari ZenithStar Racing optical tube assembly (OTA)
2. Erecting prism
3. Zoom Eyepiece
4. Carry-on rigid backpack with custom-fitted foam.
5. 2" to 1.25" adapter (for usage with optional mirror diagonals)



CONNECTION INSTRUCTIONS



SPECIFICATIONS

Aperture	66mm
Focal Ratio	F/5.9
Focal Length	388mm
Objective Type	Fully Multi-Coated, STM Coatings Apochromatic Objective
Resolving Power	1.78"
Lens Shade	Retractable
Focuser	Crayford Focuser ,Rotatable Design Integrated 1:10 Fine Focus 62mm Focuser Travel Length
1.25" Adapter	Provided
L- type Mount	L -Bracket
Tube Diameter	75mm
Tube Length	280mm Fully Retracted 360mm Fully Extended
Tube Weight	1.6kg

USAGE

The optical tube assembly (OTA) is the heart of the telescope and comprises the focuser, the tube with the retractable dewshield and the lens in cell,installed in the tube.
The fully black anodized focuser and the rosso fiammante powder-painted high-grade aluminum tube perfectly merge into a striking telescope with unique functionalities. The OTA comes with a shield-engraved cap which you should keep on the telescope when not in use to protect the lens against dust.

Like all William Optics telescopes, the telescope is fitted with a smooth and precise dual speed 1:10 focusing system. This means that every turn of the large focusing knob is equivalent to ten turns of the smaller knob. Use the fine-knob to accurately reach optimal focus.

On the top of the focuser part, you will find a thumbscrew, near the Ferrari shield. This is used to lock the rotational movement of the focuser. The focuser is designed to rotate to adjust for the best viewing angle under any conditions. For example, if you attach a camera to your telescope, you may want to turn the focuser in the most comfortable angle for taking your shot.

On the bottom side, the drawtube lock thumbscrew locks the drawtube: if tightened, your focuser drawtube will not extend even if you turn the focusing knobs. Before you adjust focus with the knobs, check that the drawtube lock is not engaged. If needed the focuser drawtube tension can be adjusted using a 2mm allen key on the screw protruding from the black hollow ring. The tension should be adjusted only when necessary (for example when adding heavy accessories to the focuser) by progressively tightening until you reach the desired drawtube tension. Make sure that the retaining black ring is always tight against the focuser.

A finderscope such as a Red Dot Finder is a useful addition to aim your telescope more precisely at stars. Refer to the R.D.F. instructions on how to mount it on your Ferrari ZenithStar.

A stable camera tripod is recommended for optimal viewing. The telescope L-bracket already comes with standard holes to mount on these tripods. Alt-az. Mount such as the William Optics Eazy Touch are also recommended. In order to attach your Ferrari ZenithStar to a camera tripod, refer to the tripod instruction manual.

Eyepiece

Before operating your telescope make sure that the thumbscrew on the erecting prism is locking the eyepiece in place so that you do not risk accidentally dropping your precious eyepiece.

A normal optional mirror-based diagonal would result in images that are correctly oriented up-and-down but reversed left-for-right. The Ferrari erecting prism (Amici prism), which is provided in the package, allows you to see a correct image as if you were looking with your eyes. Make sure that the prism is locked onto the focuser and with the right angle.

Because the Ferrari ZenithStar is well suited to view nebulae, star clusters and large galaxies and comets, we recommend the usage of high quality wide-angle eyepieces. The William Optics SWAN, UWAN and SPL eyepieces are available in a variety of focal lengths. To calculate the magnification of your telescope divide 388 (the focal length of the Ferrari ZenithStar Racing) by the focal length of the eyepiece. For example, if you use a UWAN 4mm, you will develop 388/4 = 97x (magnifications). Keep in mind that the atmosphere plays an important role in seeing conditions, and only the best conditions will support night-time high-power

viewing (above 70x). Additional power under less-than -ideal atmospherical conditions will not result in an increase in viewable details, and lower-power (longer focal length) eyepieces should be preferred instead.
The maximum theoretical magnification we recommend for this telescope, in a night of perfect seeing, is approximately 130x. The provided zoom eyepiece is an excellent "all-in-one" eyepiece which will yield a magnification of 25x to 50x.

Adapter

Mirror diagonals have the advantage of a higher light transmission compared to a prism-based system. We therefore recommend them for astronomical work, especially where lunar or planetary observations are involved. The Ferrari ZenithStar telescope line is designed to work with optional SCT-thread 2" diagonals, 1.25" diagonal and with accessories with SCT threads such as the 1.25" erecting prism provided in the package. It is suitable for both day-time and nigh-time viewing, and doubles as an outstanding travel scope. For serious astronomers, we recommend the purchase of a 2" star diagonal to make the most of this little telescope. To use 1.25" diagonals, find included in the package an adapter, which mounts on the drawtube in place of the erecting prism, when you want to use a mirror diagonal.

Astrophotography and use as a telephoto lens

This scope is suitable for wide-field astrophotography. A CCD camera and a German equatorial mounts (designed to track the stars in their movement in the sky) are necessary for best results, but you may want to try other set-ups with DSLR for example. To connect your Ferrari ZenithStar to a DSLR camera, you will need an optional adapter.
This adapter has the dual function of reducing the focal length (making the telescope "faster" and therefore brighter and more suited to be used as a telephoto lens) and of flattening the field of view at the corner when using the telescope for astrophotography.

Solar Observations

Never aim your telescope at the Sun without proper solar filters installed on the front of the telescope. Doing so for even a short moment may permanently damage your eyes. Proper solar filters are made by reputable manufacturers and designed to fit tightly over the front of the dewshield. Solar eyepiece filters are not considered safe and should not be used. With proper solar filtration in place, it will be easy to see amazing details of the sun such as solar spots. Contact a William Optics authorized astronomy dealer for more details about proper solar filters.

MAINTENANCE

- Remember to store your telescope in a non-humid environment. Never leave it in a heated environment without protection for too long. Always let the telescope dry properly before storing. Use the dewshield cap and other accessories caps provided. If not properly stored, the lens may develop mildew, especially after a night observation, when the lens may have some dew on it.

- In case the lens surface should become dusty, smeared or get fingerprints on it, first of all remove any surface dust particle by using an air blower, then carefully proceed to wiping the lens gently with a lint-free soft cloth. Use water or a lens cleaning liquid appropriate for camera lenses for best cleaning results. A modicum of dust will not impair the optical quality of the telescope.

- The beautiful finish of your Ferrari ZenithStar is not easy to ruin. Nonetheless, please take care of the exterior body tube by wiping it down with a soft cloth from time to time. Do not use any organing solvent on your telescope, for example alcohol, benzene and other hazardous chemicals as this might ruin it.

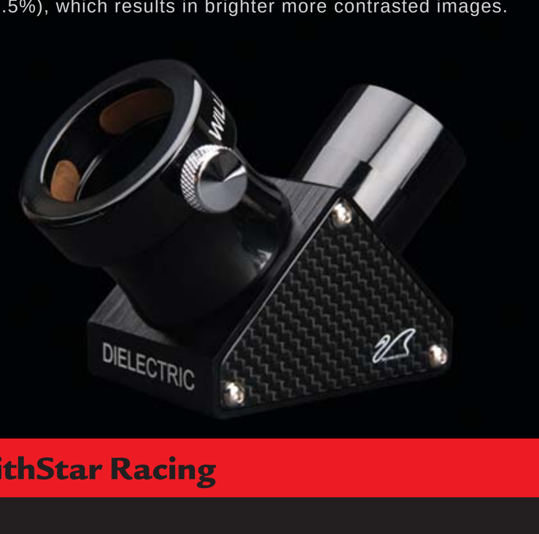
PRODUCT WARRANTY

William Optics warrants this product to be free from defects in materials and workmanship for two years from the date of purchase from William Optics and/or any Authorized William Optics Dealers. During the warranty period, William Optics will repair or replace based on individual cases a defective product provided, it is returned to William Optics freight prepaid, with proof of purchase. William Optics will decide whether to be deemed responsible for the defect or to charge the customer. This warranty is not valid in cases where the product has been misused, mishandled, where unauthorized repairs have been performed without our written authorization, or where depreciation of the product is due to normal wear-and-tear.
The warranty applies to the opto-mechanical assembly and any parts or accessories provided. The warranty applies only to the original buyer in possession of the original proof of purchase. Additional warranties from your dealer may apply, but they are beyond William Optics' obligations. We reserve the right to change these terms and conditions, product specifications or to discontinue products without notices. This does not affect your warranty rights.

OPTIONAL ACCESSORIES

1.25" Dielectric Carbon Diagonal
This 1.25" Diagonal is used to replace the erecting prism. Unscrew the erecting prism and replace with the provided 2" to 1.25" adapter before tightening the Dielectric Diagonal (see page 4). The advantage of this diagonal are the extremely high transmission thanks to the dielectric coating (99.5%), which results in brighter more contrasted images.

Camera adapter/ 0.8x Reducer
This adapter will allow you to connect your digital SLR camera to your Ferrari ZenithStar (T-ring adapter not included). Other than flattening the field of view, reducing the focal length and improving the chromatic correction, it will allow you to use your telescope as a telephoto lens.



William Optics Eyepieces

UWAN 82˚
Top of the line.
Available in: 16, 7 and 4mm focal lengths.

SWAN 72˚
Best price/quality ratio.
Available in: 20, 15 and 9mm focal lengths.

SPL (Super Planetary Long-Eyerelief)
Ideal for lunar and planetary observations.
Available in: 12.5, 6 and 3mm focal lengths.

CAUTION FOR SAFETY

Never use your Ferrari ZenithStar under rainy conditions: this telescope is not designed to be water-proof. If your telescope accidentally gets caught in rain, wipe it down with a dry clean cloth immediately and let it dry properly before storing it in its backpack.

Never directly view the sun with your telescope! This might impair your eyesight permanently.

Always place the optical tube assembly on a completely flat surface. Unstable placement of the telescope may cause it to fall, and if handled without caution, it might injure yourself or others.

Your Ferrari ZenithStar is an advanced optical assembly. Do not disassemble parts of the optical tube assembly or attempt repairing your telescope without a written authorization from William Optics. Doing this violates and invalids the warranty terms under the limited product warranty. Always consult with William Optics for details on how to service your telescope.

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