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Ferrari
1947 Ferrari 2007

Ferrari ZenithStar Anniversary Ed.

WILLIAM OPTICS
YOUR PARTNER FOR OPTICS
www.williamopticsracing.com

LIMITED EDITION
500 SETS ONLY.

YOUR PARTNER FOR OPTICS:
WILLIAM OPTICS

Congratulations on your new purchase! The exclusive Ferrari ZenithStar Anniversary Edition is more than a telescope, it is an achievement of passion. Producing one is not a simple task. Owning one is not for everybody.

The distinctive design and refined packaging of this limited edition are a tribute to Ferrari for its 60th year anniversary. This telescope is a tribute to those who love beautiful things and beautiful skies.

The Ferrari ZenithStar Anniversary is made piece by piece with only the highest quality materials to ensure a lifetime of gratifying possession. It is ideal for astronomy and daytime observations, 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 ZENITHSTAR

The Ferrari ZenithStar Anniversary Edition is the ultimate optical product to add to your collection. Produced in only 500 sets, you are now one of the few owners who can boast possession of such an exclusive piece of art.

The luxurious tube is finished with black carbon fiber and the focuser is entirely anodized for a stunning presentation. Performance is not inferior to looks: its 70mm objective boasts an amazing color correction and sharpness. The Ferrari ZenithStar Anniversary Edition is particularly well suited for terrestrial and astronomical observations, thanks to its high-quality zoom eyepiece and erecting prism. Simply rotate the buttery smooth focuser to bring into focus your views or to frame your image precisely during astro-imaging sessions.

The apochromatic (almost inexistent false color) objective of this 70mm refractor is engineered to compete with the very best. Extremely sharp and color free, you will enjoy the best views of your life! The special wide-field zoom eyepiece will extend your views from 20x to 65x magnifications, more than enough to see stunning lunar details, birds or wild animals, sea landscapes. Connect the scope with the optional 0.8x reducer/field flattener,and transform your telescope into a perfect trendy telephoto lens!

The carbon fiber of the tube adds a touch of GT luxury to your outstanding optics. Enjoy the fine focusing mechanism which is integrated into the focuser for the smoothest focusing experience. The rotating function allows you to place the eyepiece or the camera in the most comfortable position.

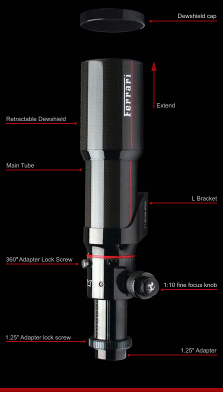
The Ferrari ZenithStar Anniversary comes in package with special carry-on size backpack in Rosso Corsa red. Its fashionable backpack has been designed taking inspiration from the Ferrari F430. The inside felt-lined compartments hold the telescope, eyepieces and any other accessories you might need.
The fully multi-coated erecting prism produces a correctly-oriented image so that it will be easy to orientate yourself even in the night sky and at high power. Included parts: dust covers, dewshield cap with relief chromed Prancing Horse, SCT-type 2" rear cell adapter for usage with optional accessories.

All you need to begin is a camera tripod and you are ready to go. Designed to be able to connect to DSLR cameras (optional adapter needed), your new telescope can double as a great manual telephoto lens. The special high-quality zoom eyepiece will provide magnification from 20x to 65x, enough for most applications.

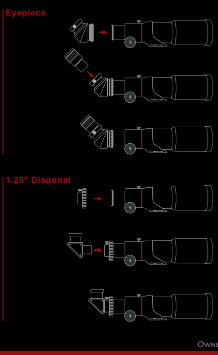
The provided erecting prism and zoom eyepiece are interchangeable with a full series of optional accessories for all needs. A 1.25"adapter is provided in the package.

Bundle equipment and accessories

1. Ferrari ZenithStar Racing optical tube assembly (OTA)
2. Erecting prism.
3. Wide angle Zoom Eyepiece (20x to 65x).
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	70mm
Focal Ratio	F/6.2
Focal Length	430mm
Objective Type	Fully Multi-Coated, transparent coatings Apochromatic objective
Resolving Power	1.6"
Lens Shade	Retractable
Focuser	Crayford Focuser , Rotatable Design Integrated 1:10 Fine Focus 70mm Focuser Travel Length
1.25" Adapter	Provided
L- type Mount	Integrated L-Bracket
Tube Diameter	76mm
Tube Length	300mm Fully Retracted 360mm Fully Extended
Tube Weight	2kg

HOW TO USE YOUR FERRARI ZENITHSTAR

Designed for multiple purposes, this attractive telescope will delight you from the very first minute of use. The optical tube assembly (OTA) is the heart of the telescope and comprises of the focuser, the tube with the retractable dewshield and the lens in cell installed in the tube.
The fully black anodized focuser and the carbon fiber tube perfectly merge into a striking telescope with unique functionalities. The OTA comes with a Prancing Horse 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. The stainless steel reinforcements make the focuser a masterpiece of mechanics. After adjusting the focuser tension with an allen screw, your focuser will hold even heavy accessories without problems.

On the top of the focuser part, you will find a thumbscrew. 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 stable camera tripod is suggested for optimal viewing. The integrated L-bracket already comes with standard holes to mount on such tripods. Alt-az. mounts such as the William Optics Eazy Touch are also recommended. In order to attach your Ferrari ZenithStar to a camera tripod please 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 nebular, 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 430 (the focal length of the Ferrari ZenithStar Anniversary) by the focal length of the eyepiece. For example, if you use an optional UWAN 4mm eyepiece, you will develop 430/4 = approx. 108x (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 20x to 65x.

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. If you wish, the Ferrari ZenithStar telescope 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. Your instrument 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 the potential of the telescope. In order to use 1.25" diagonals, you can find included in the package an adapter which mounts on the drawtube in place of the erecting prism,. Please replace the erecting prism with the adapter when you want to use a 1.25" mirror diagonal.

Astrophotography and use as a telephoto lens

This scope is well suitable for wide-field astrophotography due to its exceptional optical design. 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 impai the optical quality of the telescope.

- Do not attempt to open the telescope as this will invalidate the warranty. The tube and lens cells are not designed to be detached. In case you need any support, please contact William Optics or your closest authorized dealer.

- 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.

OPTIONAL ACCESSORIES

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.

DIELECTRIC

Camera adapter/ 0.8x

This adapter will allow you to connect your DSLR 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.

X0.8 FLATTENER

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.

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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