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TS Optics 20x80 Triplet Semi-APO - powerful aperture binoculars provide unparalleled viewing experience: high resolution and the ability to collect light. Perfect for astronomy, good nature observation. Impressions in astronomical observations are provided by UHC filters built into the binocular body. Muscle eyeglasses 80 mm Two 80 mm lenses covered with MC layers offer a powerful ability to collect light and, consequently, very bright images. Within the scope of this binoculars there are hundreds of astronomical objects: clusters, nebulae, galaxies, and also double stars and asterisms. The ability to collect light in binoculars with 80 mm lenses is more than 2.5 times greater than in 50 mm objective binoculars (such as the Nikon 10x50 EX) and 30% larger compared to 70 mm binoculars (eg Celestron SkyMaster 15x70). Triplets in objectives Binoculars with three-element lenses offered by TS are characterized by very good correction of chromatic aberration and ensure perfect quality of obtained images. The advantages of lens-type triplets are: $\hat{\text{a}}\text{€}\hat{\text{c}}$ better field size - sharp image on both the optical axis and the edges of the field of view $\hat{\text{a}}\text{€}\hat{\text{c}}$ reduction of color falsification: blue world is significantly reduced, increased resolution $\hat{\text{a}}\text{€}\hat{\text{c}}$ less distortion - better representation of the shapes of objects in the whole field of view MC layers on all optical surfaces All the optical surfaces of the binoculars were covered with good quality MC layers, thanks to which high contrast and light transmission parameters were achieved. UHC filters The optical UHC (Ultra High Contrast) filters, which are inserted into the tracks, significantly improve the contrast of observations of many gas nebulae and reduce the impact of urban glow on the quality of images (ie they are also light pollution filters). The binoculars can be used with or without UHC filters. Filters "start" by moving the thumb-wheel next to the glasses by inserting them into the optical path of the binoculars. Eye relief or removal of exit pupil The binoculars are characterized by a large eye relief equal to 17 mm. Thanks to this, both those who wear glasses and those who live without them can comfortably observe the entire field of view occupied by the binoculars. An additional advantage is the reduction of the phenomenon of condensation on the surface of the glasses, observed when we have to close the binoculars close to the face. People wearing glasses will appreciate the possibility of developing eyecups. Mechanics The binoculars are exceptionally mechanically resistant and will survive all hardships of transport

and use. Of course, you should avoid impacts, dropping from height, as this may result in the loss of collimation or mechanical damage. The metal bridge of the binoculars combined with individual sharpening separately in the right and left eyepiece eliminates typical problems such as loosening of the spectacle bridge or breakage of the pull of the central focusing knob. In transport, the safety is ensured by an aluminum suitcase in the set. The binoculars have an integrated foot that attaches to the photographic tripod. At a weight of 2.4 kg, the binoculars can be mounted on any tripod with a 1/4 inch mount. Of course, you should consider a more powerful photographic tripod, guaranteeing high rigidity and lack of vibration of the whole. Technical parameters Lens diameter: 80mm Zoom: 20x Lens construction: triplets (three elements) Exit pupil: 4mm Retraction of the exit pupil: 17mm Construction of prisms: porropryzmatyczna Material of glass elements: optical glass BaK-4 Minimum distance of observation: 20m Field of view: 3.2 ° / 56m / 1000m Twilight efficiency: 40 Anti-reflective layers: MC Rubberized body: YES Integrated stabilizing bar with foot for a photo tripod: YES Resistance to weather conditions: YES Focus range / minimum observation distance: from 30 meters to infinity Adjusting the focus: individually left and right eye Case: aluminum suitcase Dimensions [cm]: 23 x 33 x 13 Weight: 2400g Usage scenery birds hunting planes astronomy Warranty 2 years