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The Cassegrain telescope - considered extinct, but is coming back to the game again thanks to the Taiwanese GSO factory. We hope that it will return permanently, because this construction offers a lot of unique features and we are sure that it is very worth paying attention to. â€¢ cools faster than Schmidt-Cassegrain and Maksutow-Cassegrain (similar to RC Newtons) â€¢ there is not even a residual chromatic aberration, because it is a telescope that works only on reflection, not on light deflection (like RC and Newton telescopes) â€¢ has a longer focal length than a typical RC or Newtonian one, and parametrically similar to the Maksutov telescope â€¢ very compact design (similar to RC and Mak) â€¢ no lens system allows the use of the Cassegrain telescope in infrared photography â€¢ the long focal length facilitates the collimation procedure, which is a shortcoming of RC telescopes, especially if you plan to use them as an exit telescope. In general, the Cassegrain system is - as you can read - the main mirror with the figure of a rotational and secondary paraboloids being a slice of a rotational hyperboloid. A typical drawback of these is the difficulty in making these surfaces - but this is what the GSO factory dealt with. Others include a long focal length and therefore not a large field of view - but this is often an advantage, because it eliminates flaws at the edges of the field, and at the same time gives a high scale of reproduction both in photography and in observations. Purpose : visual observations, planetary astrophotography, compact astrophotography with high-sensitivity cameras, infrared photography. Technical parameters â€¢ construction: the classic Cassegrain telescope â€¢ active diameter: 6 "/ 154 mm â€¢ focal length: 1848 mm â€¢ lighted up: f / 12 â€¢ glass quartz in the primary and secondary mirror â€¢ reflectance: 99% for each of the mirrors â€¢ obstruction (linear, relative to diameter): 33% â€¢ extractor: 2 "with 1.25" reduction, with a 10: 1 microfocuss box â€¢ two extension extensions on the M90 thread (50 mm optical length each) included â€¢ tube diameter: 190 mm â€¢ finder foot: yes, in Vixen standard â€¢ dovetail: yes, in the Vixen standard â€¢ length: of 500 mm â€¢ weight: 5.5 kg Warranty 24 months