more than 25 Years of Experience in Binoviewer Design

Theoretical Bino basics: *Observing with a single eye let's you only use a small fraction of your brain's processing power. The brain uses an elaborate "backup system", so that image information gained from monocular viewing can be routed into both hemispheres of the brain. The downside is the huge reduction in image processing power!*

Just as with a CCD image, the monocular signal gets degraded by all sorts of imaging defects. The brain rather works like a webcam. Many superimposed images form what your brain will eventually get to "see" – and if all these images stem from just one channel, the result is rather a meager one.

With two images to be merged from two different channels, the brain only takes milliseconds to sort out all retina defects, to compensate for slight astigmatism and to eliminate "hot pixels" resulting from "nerve noise" in the energy transport.

No wonder people immediately praise the relaxed feeling of dual eye observation.

Observing with a single eye quickly stresses your ability for concentrated viewing to the point where you just have to retreat from the eyepiece in order to "release the tension on your brain".

Any such problems are completely absent during binocular observation. Watch for hours without fatigue, even a largely reduced resolving power on one eye will contribute markedly to improved perception. Enjoy virtual magnification and intensified colors.

Use your brain – just as nature has forseen it.

Baader Maxbright-Binocular™

Maxbright-Bino, 8" Celestron-Newton, 5mm Hyperion, Baader Foresight in one Ultrashort-Adapter, 2" Bino Coma Corrector 1.7x, Baader Sky Surfer V Foursight

- our own new metal-dyecastings, featuring precision prism seats – made to the same extremely tight tolerance as our Baader/Zeiss Mark V Giant BinocularViewer.
- removable eyepiece holders with diopter adjustment and LATERAL ADJUSTMENT provision. None of the low price binoculars has this feature – even though it is most important.

  Lateral adjustment of the eyepiece holders is ***the*** optical essential to beeing able at all to precisely collimate the viewer for high magnification work. Eyepiece holders are removable in order to provide the ability to upgrade at later date onto high precision eyepiece holders such as the ClickLock™ or other subsuppliers eyepiece holders.

Maxbright-Bino with 3 optional Glasspath-Correctors and Nosepiece # 14

- extremly short focus position in conjunction with our new Hyperion 68° modular eyepieces (5 mm • 8 mm • 10 mm • 13 mm • 17 mm • 21 mm • 24 mm)
- rotating Astro T-2 System™ front adapter thread – to fit all existing telescope makes with the shortest optical path length ever possible. With the help of the Astro T-2 System™ it is possible to adapt 30 additional adapters, a multitude of optional nose pieces such as 1 1/4", 2", any exotic thread such as M44 (Zeiss), M43x1 (Vixen), M43x0,75(Pentax), M42x1 (Intes) and a multitude of additional couplers such as T-2 (M42x0.75) onto 2" thread, T-2 onto M68 (Zeiss), 2" onto 2.7" (Astro Physics), M72x1(Takahashi), M84 (Pentax) a.s.f. Name your problem, we will solve it.
- all air to glass surfaces 7-layer AR-multicoated to the highest quality grade achieveable today.
- 23 mm diameter clear front aperture. Capable to fully illuminate even large 25 mm fl widefield eyepieces.
- three dedicated Glasspath-Correctors™: 1.25x or 1.7x or 2.6x (Design by Carl Zeiss and Astro Physics) for adapting the Maxbright-Bino onto any telescope system – even Dobsonians.

  Note: A Glaspath-Corrector is not a Barlow ! The reason for the registered brand name is the fact that the large mass of glass accumulated inside the binocular viewer would create a severe prismatic color error (similar to the prism that the teacher uses in the classroom to catch the sunlight through a shaded window and to project a spectrum. Each object would show prismatic fringing along it's sides. It is the main purpose of the Baader-Glasspath-Corrector™ to correct for this lateral color and to enable the viewer to work up to it's full potential. Only in second place it also performs as a barlow lens…
- Ergonomic design featuring rubberized prism covers with milled grooves to serve as "finger-rest" and to enable a "secure grip" (and less repair work due to dropped optics…).
- Metal-Black aluminum hinged storage box, foamlined, with space for two additional glasspath-correctors and nose piece.

Maxbright-Bino with ereceting 45° Roof Prism and integrated 2x Glasspath-Corrector.

This combo comes to focus with every Refractor or SC-Telescope and enables relaxed terrestrial viewing, comfortable viewing position and correctly oriented erect images (Attention the market already has cheap copies which produce an inverted image!…).

Maxbright-Bino with Solar Spectrum H(Filter, TZ-4 telecentric Assy, T-2 QuickChanger, T-2 Maxbright Mirror Diagonal, Hyperion 8 mm eyepieces.

Tools! - not toys

Maxbright-Bino with a small overview on available Astro T-2 System™ adapters.

We reserve the right for errors, technical changes without notice

Baader Maxbright-Binocular

incl. Aluminium-Case # 2456450

We offer our Baader Maxbright Binocular in different combinations:

- with 1¼" or 2" T-2 Nosepiece
- with 1¼"/ 2" T-2 Nosepiece and one (1.25x /1.7x / 2.6x) Glasspath-Corrector
- with 1¼" / 45° erecting Amici-Prism (incl. 2-times Glasspath-Corrector)
- as full set with Amiciprisma, 1¼" Nosepiece and four eyepieces

Please consult our current pricelist

Additional Accessories

2" Newton Bino-Komakorrektor 1.7x
mit T-2 Wechselring/Systempreis # 2456301

Maxbright-Bino, attached flat onto the Baader-2" Herschelwedge, providing shortest optical train – for any make of telecope.

baader planetarium

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