

## The sharpest you have ever seen!

Calcium Fluorite ( $\text{CaF}_2$ ) helps to create next generations Microchips, being the predominant optical crystal to enable perfect color correction and submicron resolution for worlds most expensive microlithography lenses (being the costliest optical material at the same time).

The same  $\text{CaF}_2$  enables us to produce super-sharp amateur optics with a level of performance unheard of before.

Calcium Fluorite is known as heart of the legendary Zeiss APQ apochromatic refractors. Being the authorized service for Carl Zeiss astro amateur products, and knowing about all the designs that Zeiss had in store for the astronomical community - we take this level of performance a step forward by actually producing those accessories one by one that were designed by Zeiss engineers as future generation of astronomical accessories.

The Fluorite Flatfield Converter (FFC) is designed by one of the APQ optical inventors. It provides a diffraction limited, apochromatic flat field over a 90mm circular format.

It will work equally well for a SLR-Camera and (if used on a planet for instance), it provides 10 times higher linear resolution than the best 4 mm Carl Zeiss Abbé projection eyepiece (acc. to design calculations done by Zeiss).

You can use the FFC equally well as a super sharp visual barlow lens (even in front of our giant binocular) with a focal extension range from 3 x up to 8 x, depending on the accessories / extensions used. It will be the sharpest ABarlow lens@ you have ever used. All optical surfaces are made to the highest existing standards with 1/10 wave accuracy, in order to not disturb the wavefront of even the most discriminating telescope optics.

You may have tried a lot of things to receive a large image scale with your telescope; you may have used even the best of all existing barlow lenses - or the most incredible eyepieces for eyepiece projection.

Everytime you were a little frustrated either due to lacking sharpness across the field - as it is common with barlow lenses due to the curved field they supply - or due to the tiny usable field size at eyepiece projection work, which introduces a whole variety of other optical shortcomings, color errors, curved field, vignetting, distortions a.s.f. if you try to force it to some reasonable field size.

There has been nothing in existence so far like the FFC because nobody dared to fully address the problem by using worlds most expensive generated crystal.

Only the use of this extreme material provides that extra degree of freedom for the optical designer, namely to maintain apochromatic color correction, while supplying a flat field over a 90mm circle.

The FFC is truly multicoated with hard 7 layer coatings with matched index on all air to glass surfaces - even at the Fluorite surfaces themselves, just as some manufacturers claim it for their APO's. Looking into the lens system will exhibit a pitch black tube with complete absence of straylight. The lenses are almost invisible.

Try it out for yourself! Just like our Giant Binocular Viewer (Zeiss design) and our AstroSolar Safety Film (Nominated: astro-product of the decade) - the **Fluorite Flatfield Converter** again is a timeless piece of equipment that you will never part with (even if you happen to change telescopes like clothes).