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Filter Astronomik UHC-E in the frame 1.25 "/ 31.7 mm. Astronomik UHC-E is a budget filter for observing emission nebulae and comets under a sky polluted by light. Recommended especially for small telescopes. It blocks the wavelengths typical of street lighting, as well as the lighting of the atmosphere. The UHC-E filter is characterized by a half width of 45 nm, which allows it to pass a spectral line of carbon. This opens the possibility of observing comets. Mainly applicable â€¢ nebulous filter for observation in the city â€¢ anti-light pollution filter for small and medium telescopes - transmits more light than UHC filters â€¢ allows observation of comets â€¢ improves the visibility of clouds on Jupiter â€¢ facilitates the separation of double stars â€¢ good for photography under urban sky using SLR cameras and other cameras Usage â€¢ visual observations under dark sky: good, UHC seems to be a better choice â€¢ visual observations under the urban sky: good for telescopes with an aperture of up to 125 mm â€¢ film photography: good for very long exposure times â€¢ CCD photography: good when used with an additional IR filter â€¢ unmodified mirror photography: good, color balance is almost perfect â€¢ photo of a reflex camera modified for astrophotography: good, color balance is

almost perfect â€¢ webcam / video cameras for planetary photography: not applicable â€¢ webcam / video cameras for photos of nebular objects: very good if light pollution at the observation site is a big problem Technical parameters â€¢ FWHM = 45 nm â€¢ maximum transmission 94% â€¢ permeability range from 480 nm to 525 nm and from 645 nm onwards â€¢ diffraction-limited accuracy â€¢ parchocal with other Astronomic filters â€¢ thickness: 1 mm â€¢ resistant to moisture, scratch, does not age alternatives The filter is especially recommended for telescopes with a diameter of up to 5 "/ 125 mm For larger telescopes, the UHC filter will provide a higher contrast improvement, and telescope holders over 8" / 200 mm can test O-III filters when observing certain nebulae.