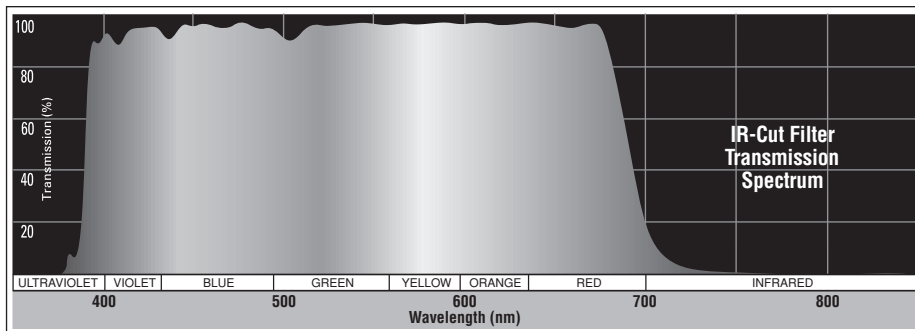


INSTRUCTION MANUAL

Luminance / IR Cutoff Filter, 1.25"

#5564



The Orion Luminance/IR (infrared) Cutoff filter is a useful accessory for any monochrome imaging system that does not feature an integrated infrared blocking filter. The filter has been designed to block all infrared light with a wavelength above approximately 700 nanometers (nm). Since monochrome CCD cameras are sensitive to all light, infrared light can contaminate digital images of the night sky by causing image blurring, glare, abnormal color, reduced contrast, and bloated stars. By preventing infrared light from being absorbed by an imaging chip, the Luminance/IR Cutoff filter enables you to create images of the highest quality and detail. Of course, if you wish to image the sky in the infrared portion of the spectrum, make sure the filter is removed. It is also a good idea to remove the Luminance/IR Cutoff if using a line filter, such as an H-alpha line filter, as these generally have IR cutoff

features built-in. The Luminance/IR Cutoff filter may interfere with the performance of such line filters.

The Luminance/IR Cutoff filter is a dichroic filter design which features multiple-layer coatings to ensure maximum transmission of desired wavelength light, while reflecting unwanted infrared light completely. Due to the dichroic design, the Luminance/IR Cutoff filter has a reflective appearance. Dichroic filters have hard microscopic layers of coating that do not fade significantly with proper care and usage.

In order to image through the Luminance/IR Cutoff filter you will need to install it directly to your imaging camera. Install the filter by threading it onto the inserted "nosepiece" section of the imager. With the filter installed, all light collected by the imager will be filtered appropriately.

One-Year Limited Warranty

This Orion Luminance/IR Cutoff Filter is warranted against defects in materials or workmanship for a period of one year from the date of purchase. This warranty is for the benefit of the original retail purchaser only. During this warranty period Orion Telescopes & Binoculars will repair or replace, at Orion's option, any warranted instrument that proves to be defective, provided it is returned postage paid to:

Orion Warranty Repair, 89 Hangar Way, Watsonville, CA 95076.

This warranty specifically does not cover abuse, modification, mishandling, self-repair, or normal wear and tear (including mold growth).

If the product is not registered, proof of purchase (such as a copy of the original invoice) is required. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. For further warranty service information, contact: Customer Service Department, Orion Telescopes.



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