Dual-Aperture Optical Splitter

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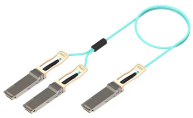
Using the internal reflective lens as the common aperture part of the optical system, the Dichroic Mirror is used to separate the spectrum to complete dual-band synchronous imaging, the ...

In order to solve the problems of poor imaging quality, complex structure and large volume of existing dual-band common aperture cameras, a visible/long-wave infrared dual-color optical system was ...

Split-aperture 2-in-1 computational cameras enable simultaneous capture of both optically coded and conventional uncoded images without inverse image reconstruction or increasing the camera''s ...



The common aperture is achieved by sharing a modified Cassegrain reflection structure in both bands. The entrance pupil diameter for the two bands is 148mm and their field of view (FOV) ...

The Cairn OptoSplit II emission image splitter is a simple device enabling a single camera to record images simultaneously at two different optical wavelengths, polarisation states or other differentiated ...

While ensuring the high cold-shield efficiency of cooled infrared detectors, this common-aperture optical system delivers visible and SWIR dual ...

Beamsplitters are optical components used to split input light into two separate parts. Beamsplitters are common components in laser or illumination systems. Beamsplitters are also ideal for fluorescence ...

To address these challenges, this paper presents a large-aperture, wide-field-of-view transmissive infrared-laser dual-band optical system based on harmonic diffraction.

These beam splitters are designed to reflect the laser''s signal at single-digit percentages and can be used in series to greatly reduce the laser light before being imaged.

CommScope offers a portfolio of bare and connectorized splitters/couplers in a wide range of styles and split ratios, and splitter modules for inside plant (ISP) and outside plant (OSP) applications that help ...

While ensuring the high cold-shield efficiency of cooled infrared detectors, this common-aperture optical system delivers visible and SWIR dual-band images with expansive fields, elongated ...

Contact Us

For more information, pricing, or custom data center solutions, please contact us:

Website: https://www.yoahorroenergia.es
Email: hello@yoahorroenergia.es
Phone: +233 54 318 7269
Address: Plot 28, Spintex Road, Accra, Greater Accra, Ghana

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