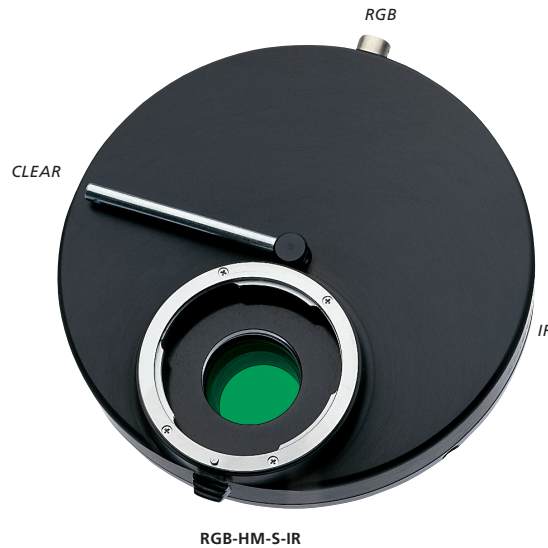


RGB COLOR FILTER

Produce High-Quality Color Images with QImaging Monochrome CCD Cameras

The **RGB Color Filter** modules are designed for use with QImaging's line of high-resolution monochrome CCD cameras to capture high-quality color images. Color information is captured by sequentially acquiring full-resolution images in each of the color planes. The filter is switched through its red, green, and blue states under direct control of the camera hardware. The camera hardware provides highly synchronized and precise timing to the filter module. The result is artifact-free imaging at frame rates much faster than most mechanically selected filters and acousto-optical or liquid-crystal filters that require software control. White balance is controlled easily through software. The **RGB Color Filter** is connected to the camera's electronics with a single cable.

RGB Color Filter Modules for High-Resolution Color Images



features	benefits
Liquid-Crystal Filter Element	<ul style="list-style-type: none"> High-quality color images with high-resolution monochrome CCD cameras Filter color changes with no moving parts No vibration No optical-registration problems
Single-Cable Connection to QImaging Cameras	<ul style="list-style-type: none"> Easy to install & use Controlled by QImaging cameras
Sequential Acquisition of Color	<ul style="list-style-type: none"> Full-resolution image in each color plane
Provides Color Even When Camera is in Binning Modes	<ul style="list-style-type: none"> High sensitivity & speed
Filter Element Easily Slides out of Optical Path (Slider Modules)	<ul style="list-style-type: none"> Enables quick switch between full-color imaging & high-sensitivity monochrome imaging without refocusing
Hot-Mirror Filter	<ul style="list-style-type: none"> Integrated filtering of infrared light provides better color fidelity

RGB Color Filter Specifications

Color States	Red, green, blue
Transmission	30% minimum*
Maximum Optical Input	500 mW/cm ²
Module Control	Camera-controlled functionality
Temperature Range	10 to 45°C
Optical Mount	Slider modules or Nikon® F-mount (C-mount to camera)

applications

- Brightfield Microscopy
- Fluorescence Microscopy
- Pathology, Histology, & Cytology
- FISH
- DNA Analysis
- Metallurgical Microscopy
- Forensic Analysis

filter formats

▪ RGB Color Filter (Slider Modules)

Sliders allow easy switching between color and monochrome imaging.

Model: RGB-HM-S-IR

This module has three positions:

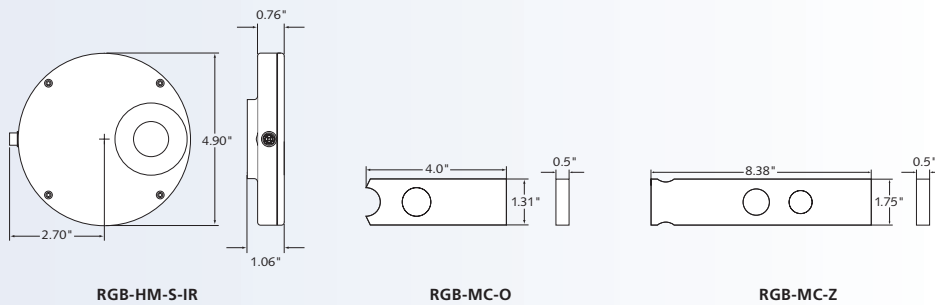
- (1) Color filter element enables rapid switching between red, green, and blue
- (2) IR filter element filters out IR wavelengths to allow better color fidelity
- (3) Clear glass element

Model: RGB-MC-O

This module (for Olympus® BX and IX series microscopes) slides easily in and out of the optical path through the nosepiece.

Model: RGB-MC-Z

This module (for Carl Zeiss® Axioplan® microscopes) slides easily in and out of the optical path through the analyzer slot.



Tel 604.530.5800 ▪ Fax 604.539.1825 ▪ info@qimaging.com
www.qimaging.com



*Transmission is doubled for polarized light.
 Note: Specifications are typical and subject to change.

Qimaging is a registered trademark of Qimaging Corporation.
 Other brand and product names are the trademarks or registered trademarks
 of their respective owners and manufacturers.