Canon
SEE IMPOSSIBLE

CR-2 AF

DIGITAL NON-MYDRIATIC RETINAL CAMERA

Superior Image Resolution and AutoFunctionality

SUPERIOR RESOLUTION FOR EARLIER, MORE ACCURATE DETECTION

"GOOD ENOUGH" IS NOT GOOD ENOUGH

If you were having your vision checked for early signs of Diabetic Retinopathy, Glaucoma, AMD, or another vision-threatening disease, you'd want a photograph taken with the highest image resolution possible. Cameras with lesser image resolution will blur details and miss subtle structures absolutely critical in the early detection and diagnosis of disease. Simply stated, you cannot treat what you cannot see.

AMONG THE WORLD'S HIGHEST RESOLUTION FUNDUS IMAGE

The Canon CR-2 AF Digital Retinal Camera is designed to help you consistently capture and analyze truly superb images—quickly, efficiently, and automatically. Designed around the legendary Canon EOS optics and advanced CMOS image capture technology, the CR-2 AF provides a remarkable set of features specifically designed to capture, enhance, and analyze even the most subtle fundus abnormalities.

DEDICATED DIGITAL CAMERA

The CR-2 AF incorporates Canon EOS technology to provide optimal images under just about any condition.

With Auto Exposure, Image Error Detection, Quick Preview, and Low-Flash Intensity, the CR-2 AF delivers ultra-high-resolution images. Each stunning, 20.2-megapixel image has extraordinary detail, contrast, and color fidelity.

EASY-TO-MANAGE CONTROLS RIGHT AT YOUR FINGERTIPS

AUTOFUNCTIONALITY

NEW!

OPACITY SUPPRESSION

Selectable filter tool that enhances image clarity when imaging those patients with cataracts or opaque media.

CONTRAST ENHANCEMENT

Affords increased image clarity by emphasizing the differences in "redness" and "brightness" of blood vessel structures relative to their surroundings.

AUTO-FOCUS WITH MANUAL ALIGNMENT OVERRIDE

User can automatically focus the eye by partially depressing the Joystick, or easily switch to manual focus with a twist of the focus ring.

AUTO-FUNDUS

Automatically switches from the external eye to retinal observation mode when the eye is properly aligned.

AUTO-EXPOSURE/AUTO-CAPTURE

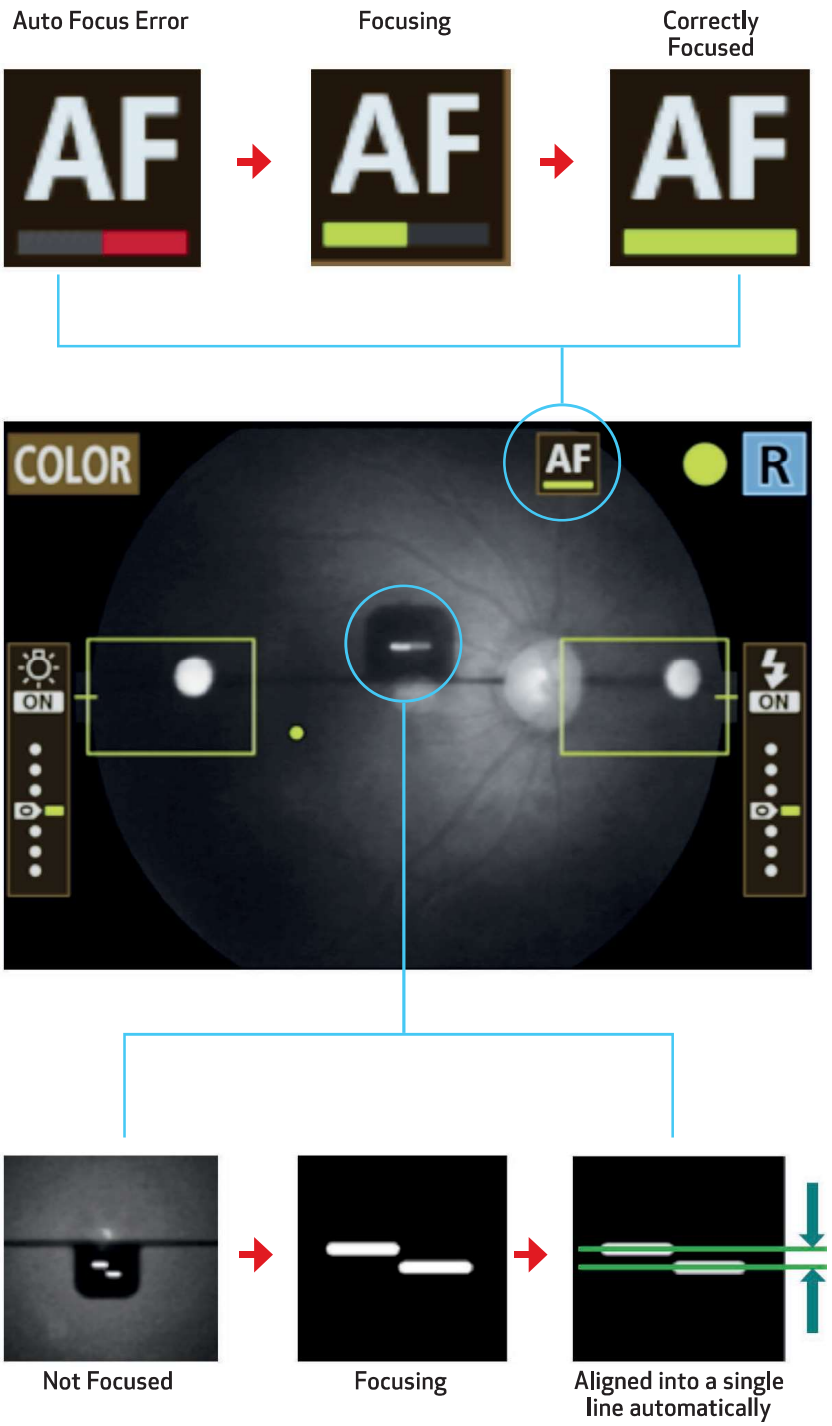
Automatically measures the volume of infrared light at the retina and adjusts the flash intensity and captures the image once the eye is properly focused.

IMAGE ERROR DETECTION

Advanced software automatically confirms both correct alignment and focus.

LOW-FLASH INTENSITY

Low flash increases patient comfort and reduces miosis for a shorter exam time. The CR-2 AF supports a wide range of low ISO speeds, including ISO 200/400/800/1600/3200/6400.



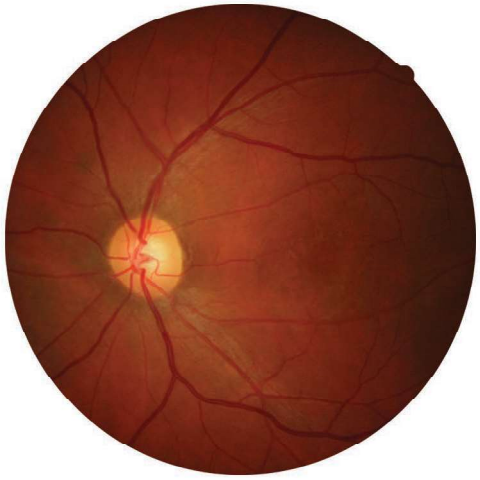
ADVANCED DIGITAL IMAGE FILTER PROCESSING

The CR-2 AF Digital Retinal Camera produces ultra-high-resolution, 20.2-megapixel, wide-angle views with excellent color, detail, and contrast. To further enhance your retinal exam capabilities, the CR-2 AF has a full set of blue, green, red, red-free, and cobalt digital processing modes to extract more in-depth information from each image.

CHANNEL MODES

COLOR

The color image provides brilliant, full-spectrum images with superior detail and color accuracy.



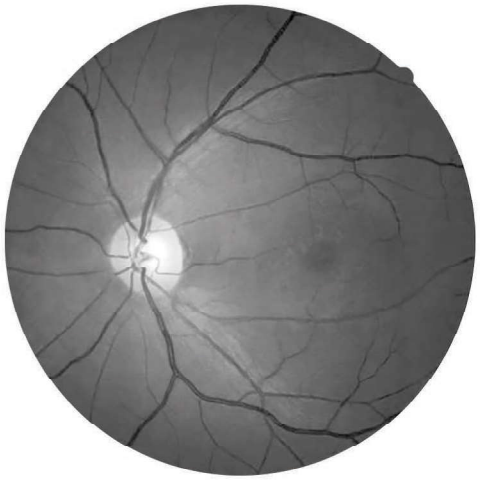
BLUE

The blue channel mode provides a critical view of the retinal nerve fiber layer, the internal limiting membrane, retina folds, cysts, and epiretinal membranes.

CHANNEL MODES

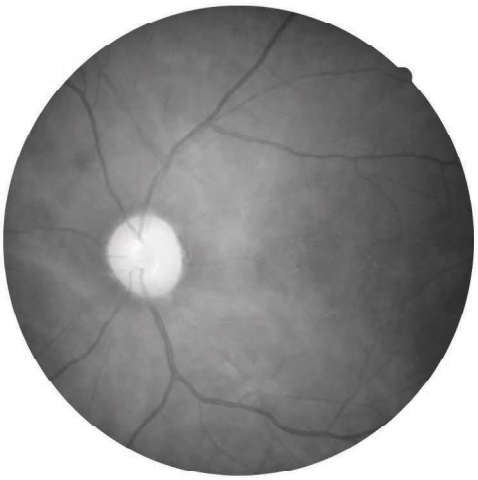
GREEN

The green channel mode provides excellent overall contrast and enhances the retinal vasculature. It's also useful when highlighting hemorrhages, drusen, and exudates.



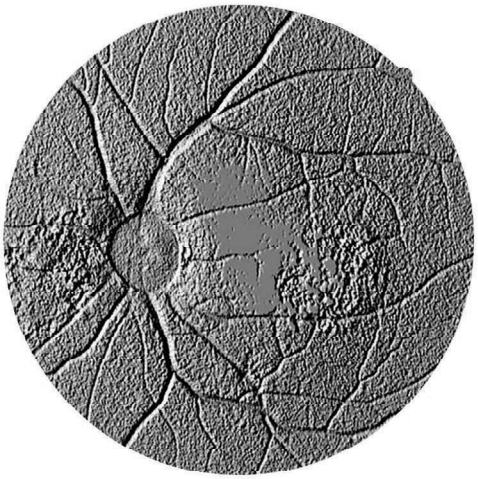
RED

The red channel mode provides specific information deep into the choroidal areas and is useful in identifying pigmentary disturbances, choroidal melanomas, ruptures, and nevi.



EMBOSS*

The Emboss tool enhances depth perception with a 3D-like representation of elevations and depressions. The entire retina can be embossed, as well as the optic disc or macula area. The Emboss tool is also especially valuable in assessing subtle areas not easily visualized with color alone. The tool also assists in the evaluation of macular degeneration, glaucoma, and diabetic retinopathy.



* Available when purchased with imageSPECTRUM Software.