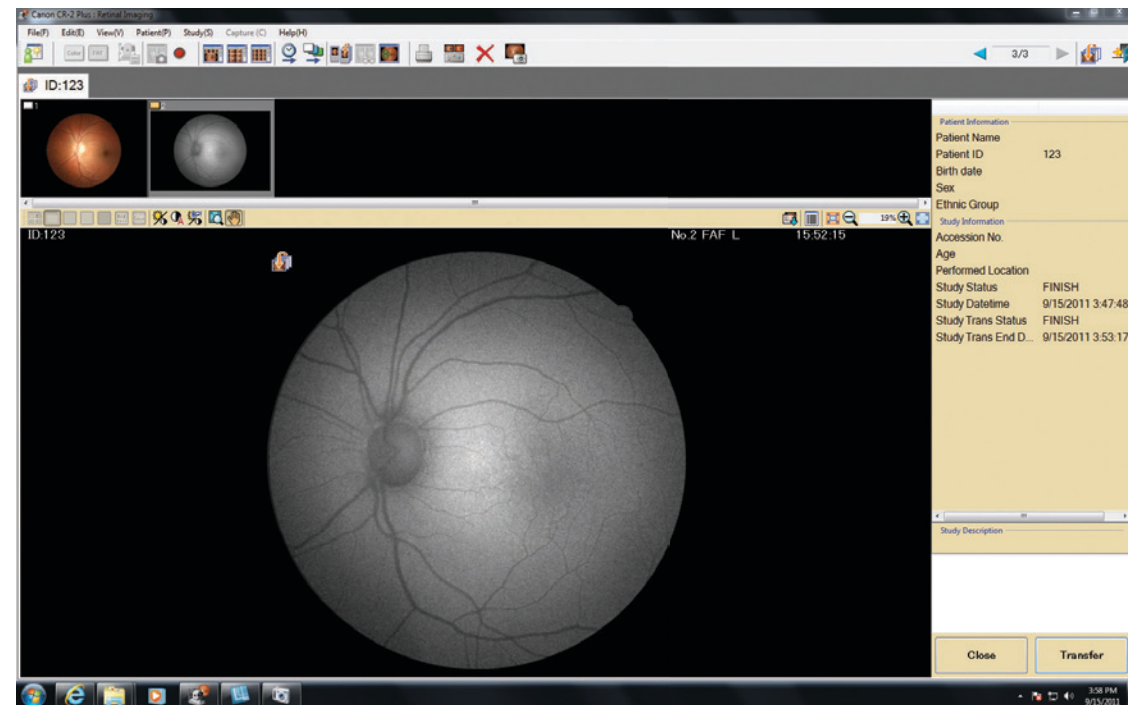
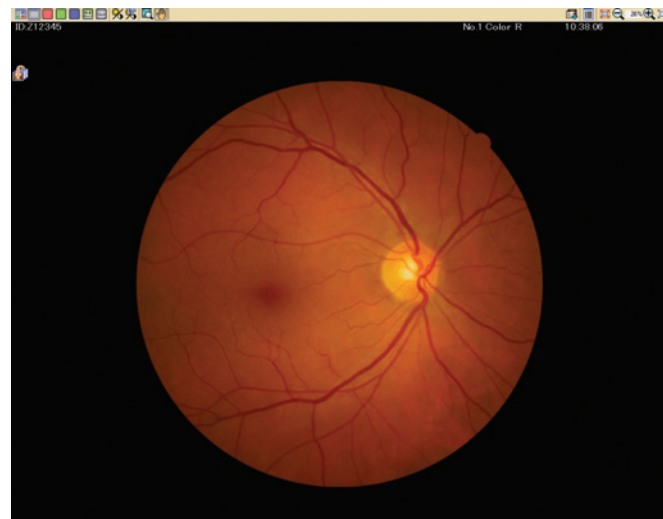
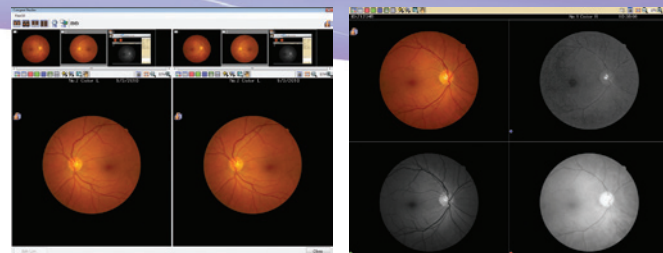


Retinal Imaging Control Software

Using the Canon Retinal Imaging Control Software (RICS), images can be captured, viewed, processed, printed and saved to a permanent storage database. The Canon RICS complies with the DICOM® Standard. Images may be stored as DICOM or JPEG files. For more information, visit www.usa.canon.com/RICS.



Simulated Images

CR-2 PLUS Specifications

GENERAL	
Type	Digital Retinal Camera, Non-Mydriatic
Type of Photography	Color, Digital Red-Free, Digital Cobalt, Fundus Autofluorescence (FAF)
Angle of View	45° (35° SP Mode)
Magnification	2X Digital
Minimal Pupil Size	4.0 mm (3.3 mm SP mode)
Focus Adjustment Type	Split-line Adjustment
Patient Diopter Compensation Range	Without Compensation Lens: -10 to +15D With “-” Compensation Lens: -31 to -7D With “+” Compensation Lens: +11 to +33D
Light Source	Observation: Infrared Photography: Xenon Tube
Canthus Mark	420 mm From Base
Internal Eye Fixation	LED Dot Matrix
External Eye Fixation	White LED (Sold Separately)
Working Distance	35 mm
Working Distance Adjustment	Anterior Observation: Double Image Match Method Fundus Observation: Working Distance Dots
Sensor Resolution	18.0 Megapixels
Camera	Dedicated EOS Camera for CR-2 PLUS (Bundled)
Monitor	3.0 inch Color LCD Monitor External Monitor (Optional)
Auto Function	Automatic Exposure
Mount Movement	Front and Back 70 mm Side to Side 100 mm Up and Down 30 mm
Chin Rest Movement	60 mm

ELECTRICAL AND ENVIRONMENTAL	
PC Interface	USB 1.1, USB 2.0
Power Supply	AC 100-240V, 50/60Hz
Operating Environment	Temperature: 50° to 86° Fahrenheit (10° to 35° Celsius) Humidity: 30% to 90% RH (No Condensation) Atmospheric Pressure: 800 to 1060 hPa

PHYSICAL CHARACTERISTICS	
Dimensions (W x D x H)	12 x 19.7 x 20.2 inches (305 x 500 x 513 mm)
Weight	43.9 lbs (19.9 kg)

Specifications are subject to change without notice.

EB-020 Rev. A

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COMPONENTS
Main Unit
Digital Camera
Objective Lens Cap
Camera Mount Cap
Chin Rest Paper (100 sheets)
Power Cable
Dust Cover
CD-ROM (Retinal Imaging Control Software NM)

OPTIONAL ACCESSORIES
External Eye Fixation Lamp
Hard-shell Carrying Case
Chin Rest Paper (500 sheets)

Canon

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A Division of Canon U.S.A., Inc.
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Email: ecsales@usa.canon.com
Website: www.usa.canon.com/cr-2plus

Canon

CR-2 PLUS

Digital Retinal Camera



The Power of
Non-Mydriatic Imaging & FAF!



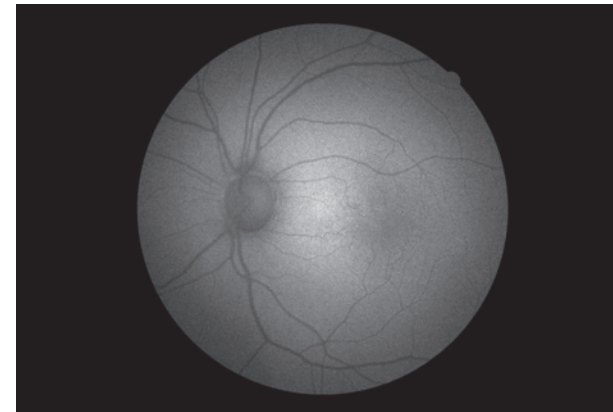
Equipped With All the Capabilities of the CR-2, PLUS Fundus Autofluorescence (FAF)!

The Canon CR-2 PLUS Digital Non-Mydriatic Retinal Camera includes Fundus Autofluorescence (FAF) with the press of a single button. Using FAF can help the practitioner assess and monitor the condition of the Retinal Pigment Epithelial (RPE) layer.

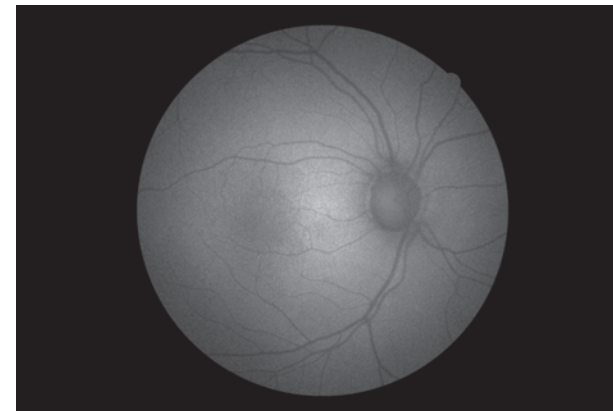
Key Features

Non-Mydriatic Fundus Autofluorescence (FAF)

FAF helps monitor macular waste (e.g. lipofuscin) which can accumulate in the Retinal Pigment Epithelial (RPE) layer. The accumulation of macular waste can cause conditions such as Age-Related Macular Degeneration (AMD), which can lead to reduced vision.



FAF (Left)



FAF (Right)

Simulated Images

Compact and Lightweight

The small design of the CR-2 PLUS facilitates portability when needed using an optional hard-shell transport case. Canon instrument tables (sold separately) may comfortably fit both the camera and computer workstation (sold separately). The space-saving design also allows for use in limited office space environments.

Control Panel

The simplified design of the control panel can be easily handled by an examiner. The one-hand joystick may be used to position the camera to acquire the desired image. In darkly lit rooms, the operation panel illuminates for easier navigation. The short main body of the CR-2 PLUS provides minimal distance between the patient and the operator, allowing easy access to adjust the patient's position or eyelids.



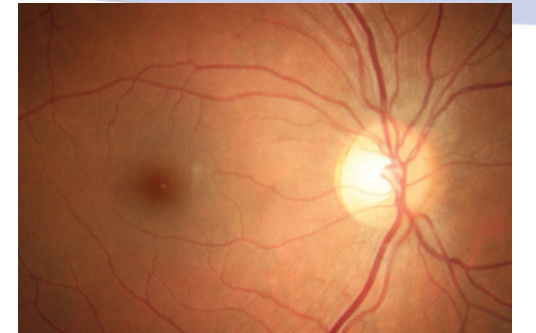
Dedicated EOS Camera Technology

High quality diagnostic images are obtained using a dedicated camera for the CR-2 PLUS, which incorporates a large, high-definition CMOS sensor with 18.0 megapixels. When the camera cover is removed, the LCD may be adjusted to a variety of tilted angles to suit the user's point of view.

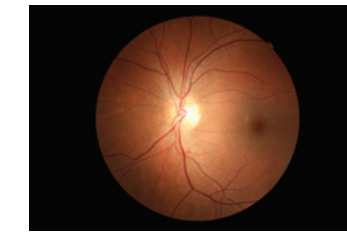


Digital Filter Processing

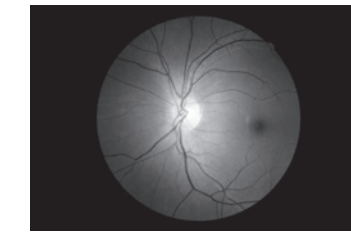
Red-Free and Cobalt digital filters are included and provide enhanced screening exams. Red-Free is used for evaluating the Retinal Nerve Fiber Layer (RNFL) and vascular structure of the retina associated with documenting Glaucoma, Diabetic Retinopathy or Hypertension. The Cobalt filter is also used for evaluating the RNFL, as well as Optic Disc and Optic Disc Drusen. Additionally, Green (Vascular view) and Red channel (Choroid view) digital filter views are also included.



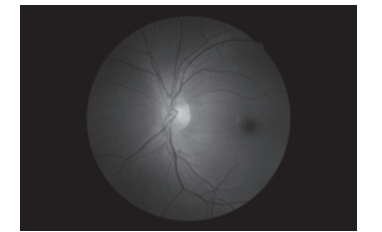
2X Color



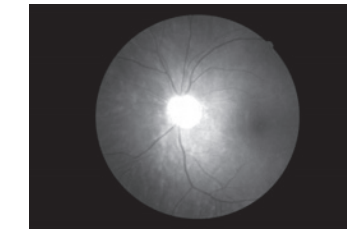
Color



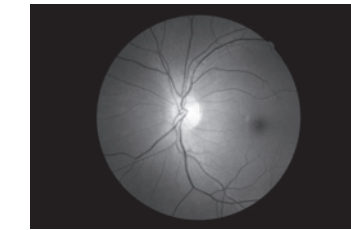
Red-Free



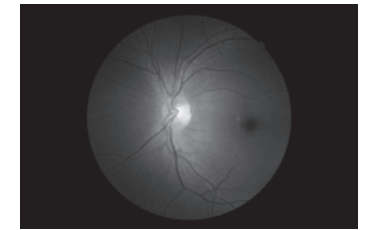
Cobalt



Red



Green



Blue

Simulated Images

Automatic Exposure Function

The CR-2 PLUS measures the volume of infrared light from the retina and automatically adjusts the flash intensity for observation and photography. This feature may be set to ON/OFF and can be adjusted using the operation panel.

Low Flash Intensity and ISO Sensitivity

The low flash intensity of the CR-2 PLUS minimizes miosis, thus shortening the time required for taking multiple view exams or stereo images. The reduced brightness improves patient comfort and reduces the "ghost" image the patient sees after an exposure. A wide range of low ISO speeds are supported including ISO 200, 400, 800, 1600, 3200 and 6400.

The CR-2 PLUS is shown with the external fixation lamp (sold separately).

