

# CR-2 Specifications

Type	Digital retinal camera, non-mydratic
Type of photography	Color, Digital Red-Free, Digital Cobalt
Angle of view	45 degrees
Magnification	2X
Minimal pupil size	4 mm (3.3 mm SP mode)
Working distance	35 mm
Focus adjustment range	Without compensation lens: -10 to +15D With "-" compensation lens: -31 to -7D With "+" compensation lens: +11 to +33D Split-line aligning type focusing
Flash intensity	Linked to the photography mode Can be set manually
Light source	Observation light source: Infrared LED Flash light source: White LED
Auto exposure	Available
Sensor resolution	15.1 megapixels (resolution may vary with other models)
Camera	Dedicated Camera for CR-2
Built-in monitor	3.0 inch color LCD monitor
Eye Fixation Lamp	Internal eye fixation lamp, LED dot matrix, green External eye fixation lamp (sold separately)
Mount movement amount	Stage unit: 100 mm (side to side), 70 mm (front and back) Main unit: 32 mm (vertical)
Chin rest movement amount	60 mm
Power supply	AC100V to 240V, 50/60Hz, 1 to 0.4A
Operating Environment	Temperature: 10 degrees to 35 degrees Celsius Humidity: 30% to 90% (no condensation) Atmospheric pressure: 800 hPa to 1060hPa
Dimensions (WxDxH)	12 inches x 19.7 inches x 18.6 inches (305 mm x 500 mm x 473 mm)
Weight	Approximately 33 pounds

- 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 EL-1
  - Chin rest paper (500 sheets)

Small. Thin. Light.

The CR-2 Digital Non-Mydratic Retinal Camera can save space required for setup with its lightweight, compact design without compromising any of the Canon technology such as low flash intensity, dedicated EOS camera, automatic exposure, and an ergonomic control panel.



The CR-2 is featured with the external eye fixation lamp (sold separately).

# The compact CR-2 performs patient-friendly retinal diagnostic exams with a simple ergonomic design.

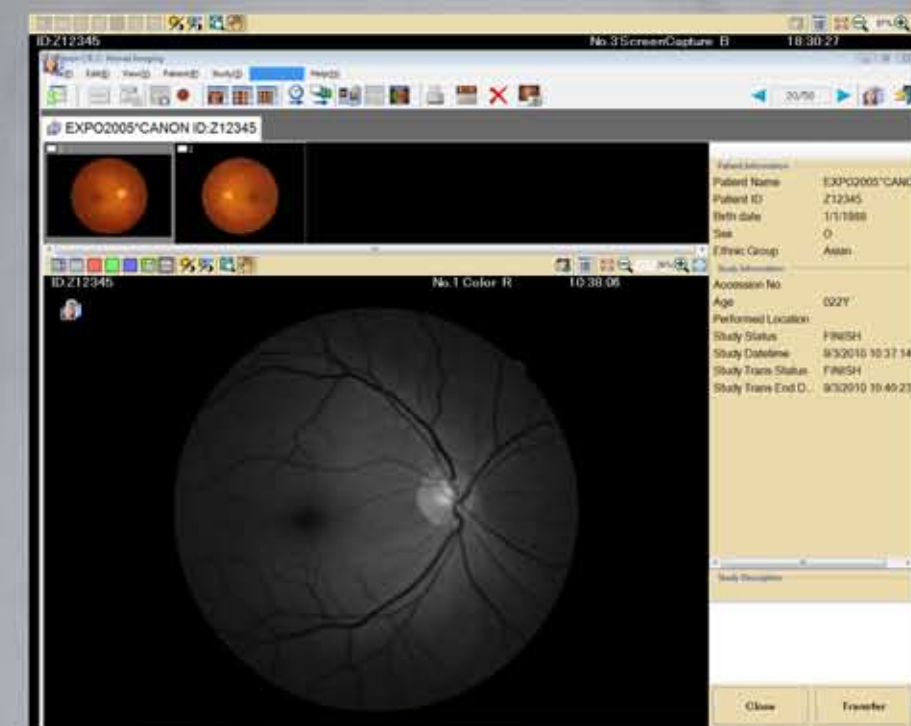
The Canon CR-2 Digital Non-Mydriatic Retinal Camera takes up minimal office space and, for added convenience, can be easily transported when needed. Contributing to a lower total-cost-of-ownership, the CR-2 can help reduce energy costs in medical facilities with its energy-efficient design.

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## Retinal Imaging Control Software

The bundled control software allows images to be browsed, operated, processed, stored and sent to the DICOM storage server. Images may also be exported to DICOM® or JPEG format files and output to a printer. Features include: Color, Digital Red-Free, Digital Cobalt, RGB, Stereo and Cup-to-Disc.



## Key Features

### Compact and Lightweight

Weighing only 33 pounds, the small design saves on setup space and assets with portability when needed. A small Canon table can hold the CR-2 and a computer to help expedite the exam process.

### Pupil Size

The small pupil mode has a 3.3 mm diameter that contributes to efficient screening and assists when a patient's pupil is difficult to dilate.

### White LED Flash Light

The white LED flash light saves on operating costs, power consumption and lessens maintenance frequency compared to xenon tubes.

### Auto Exposure

The observation light automatically optimizes the light brightness and flash intensity.

### Control Panel



The ergonomic control panel includes an omni-directional joystick with a fine focus wheel and can be easily used by a trained examiner. The panel also illuminates if operating in a darkly lit room.

### Dedicated EOS Camera



High quality diagnostic images are obtained using the dedicated EOS camera which incorporates a high-definition CMOS sensor with 15.1 megapixels.

### Low Flash Intensity

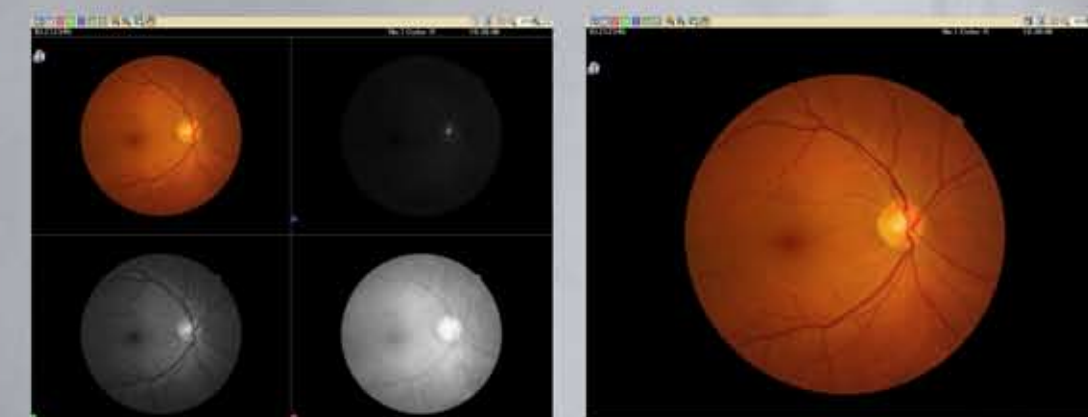
Patient comfort is improved with the reduced flash levels:

Standard mode		ISO 1600
Low flash mode 1		ISO 3200
Low flash mode 2		ISO 6400

*Note: The above results were based on partnering with the EOS 50D digital camera.*

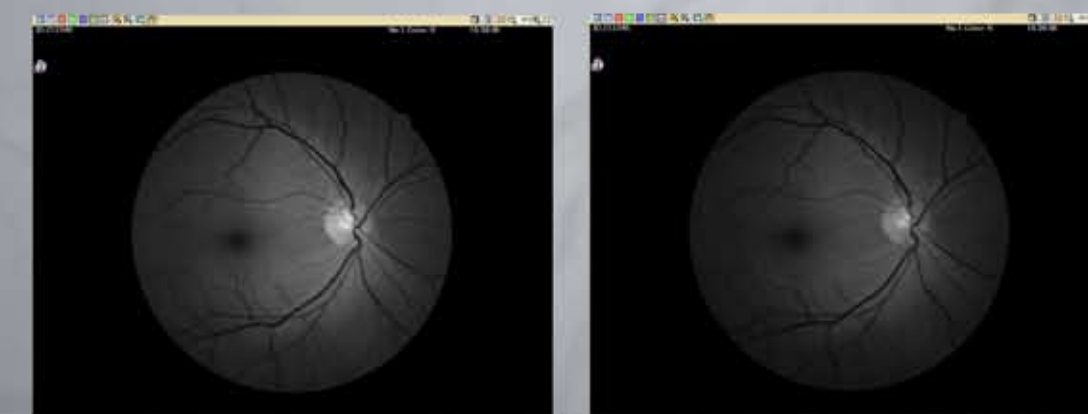
### 2X Digital Magnification

Close-ups can be viewed using "2x" mode which magnifies the retina. It automatically crops out the periphery of the image so that the region of interest is larger in the frame.



RGB

Color



Digital Red-Free

Digital Cobalt