

CR-2 Specifications

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| Type | Digital retinal camera, non-mydriatic | COMPONENTS |
| Type of photography | Color, Digital Red-Free, Digital Cobalt | Main Unit |
| Angle of view | 45 degrees | Digital camera |
| Magnification | 2X | Objective lens cap |
| Minimal pupil size | 4 mm (3.3 mm SP mode) | Camera mount cap |
| Working distance | 35 mm | Chin rest paper (100 sheets) |
| Focus adjustment range | Without compensation lens: -10 to +15D With "-" compensation lens: -31 to -7D With "+" compensation lens: +11 to +33D | Power cable |
| | Split-line aligning type focusing | Dust cover |
| | Linked to the photography mode | CD-ROM (Retinal Imaging control software NM) |
| | Can be set manually | |
| Flash intensity | Observation light source: Infrared LED | OPTIONAL ACCESSORIES |
| | Flash light source: White LED | External eye fixation lamp EL-1 |
| Light source | Available | Chin rest paper (500 sheets) |
| Auto exposure | 15.1 megapixels | |
| Sensor resolution | (resolution may vary with other models) | |
| Camera | Digital camera | |
| | (Based on using Canon EOS 50D digital camera) | |
| 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 | |

Small. Thin. Light.



The CR-2 Digital Non-Mydriatic 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 take 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.

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



Key Features

Compact and Lightweight

Weighing only 33 pounds, the small design saves on setup space and assists with portability when needed. A small Canon table can hold the CR-2 and a Canon autorefractor or tonometer 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:

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

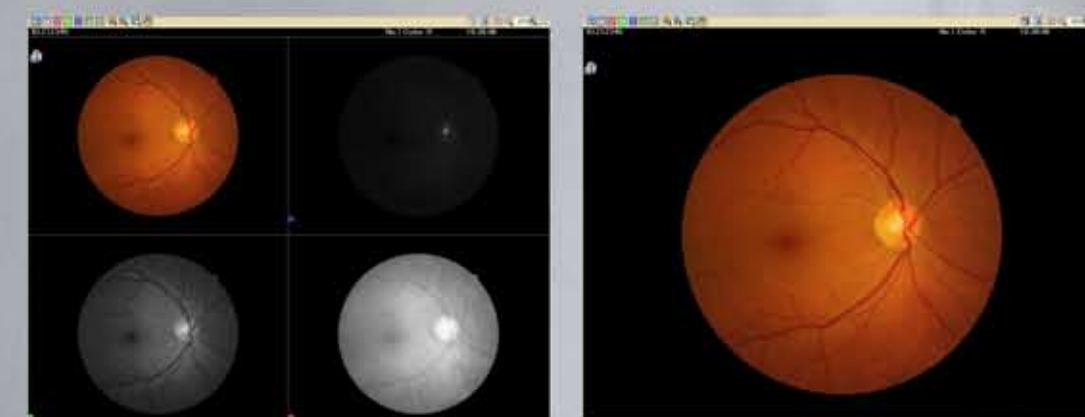
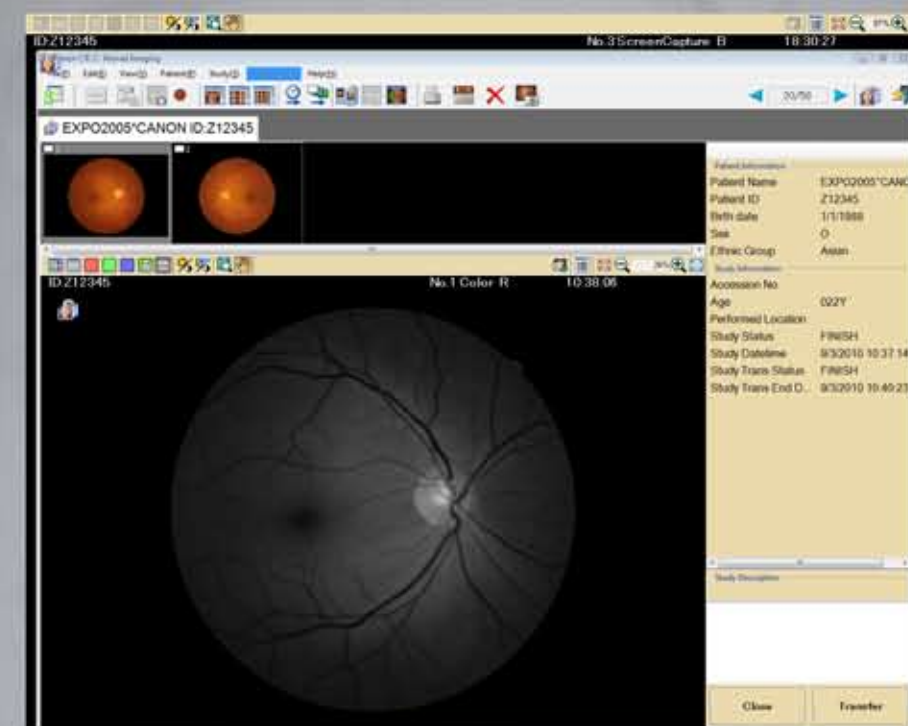
Note: The above results were based on partnering with the EOS 50D digital camera.

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.

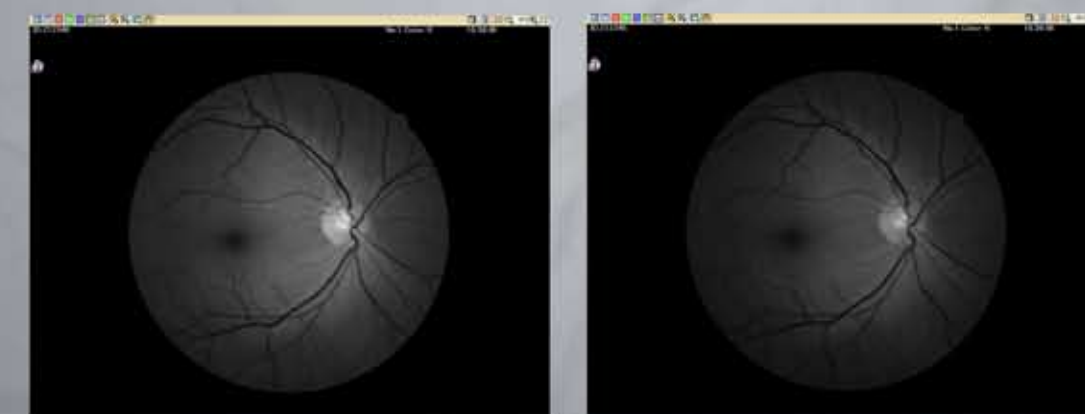
Retinal Imaging Control Software

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, Red-Free, Cobalt, Red, Blue, Green, RGB, Stereo and Cup-to-Disc.



RGB

Color



Red-Free

Cobalt

