Canon

# CX-1

Digital Retinal Camera MYD / NM

## Mydriatic/Non-mydriatic Hybrid Retinal Camera

# A simple, compact unit for high-quality mydriatic and non-mydriatic photography.

The CX-1 provides one-touch operation to select all modes, and features mydriatic and non-mydriatic photography.
Its sleek, compact body boosts efficiency in exam rooms.
It features a digital camera unit combining Canon's SLR camera technology and fundus camera technology. All this delivers high-definition, high-quality retinal images.

## One Unit for Simple Mydriatic/ Non-mydriatic Photography

CX-1 is a single system capable of mydriatic and non-mydriatic photography. Mydriatic photography uses an optical viewfinder, while non-mydriatic photography uses the monitor for fundus observations. Modes can be switched with one touch of the panel button.

## Five Photography Modes

Five photograph modes: COLOR/RED FREE/COBALT/FLUO/FAF. Both mydriatic and non-mydriatic images can be captured. All modes can be selected by simply using the button on the panel.

## Digital Camera Unit for Fundus Camera

A digital camera unit has been developed specifically for the CX-1, combining the functions of SLR camera technology and fundus camera technology. The result is clear with greater detail, higher-quality images.

## Non-mydriatic Fundus Autofluorescence (FAF) Photography

The CX-1 can take fundus autofluorescence (FAF) photography for non-mydriatic observations. Imaging is quick and easy, and also less stressful for patients.

## Mydriatic/Non-mydriatic Color Low-light Photography

Color photography with the CX-1 is possible with low flash intensity for less strain on the patient, regardless of mydriatic and non-mydriatic modes.

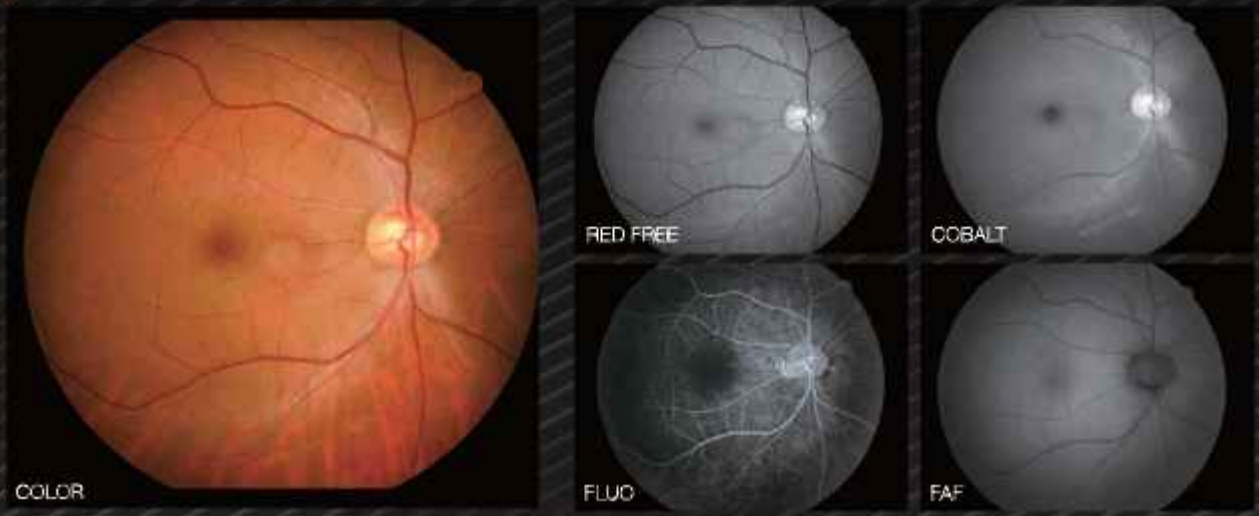

## Intuitive Operation

Lightweight, compact design means the CX-1 is a breeze to handle, and easy to assist the patient in opening their eyelids. With pan and tilt functions, it can be stopped in the direction you want to photograph.

# A simple, compact retinal camera with functions

## Five Photography Modes

COLOR / RED FREE / COBALT / FLUO / FAF
Each mode is available with mydriatic and non-mydriatic photography.
FLUO photography can be used in 1 photo/sec burst mode.



## Easy-to-use Control Panel

Frequently used functions, like switching between mydriatic and non-mydriatic observations or selecting modes, are arranged intuitively. The result is simple and easy-to-use operations.

# for mydriatic and non-mydriatic observations

## Dedicated Digital Camera for Retinal Photography

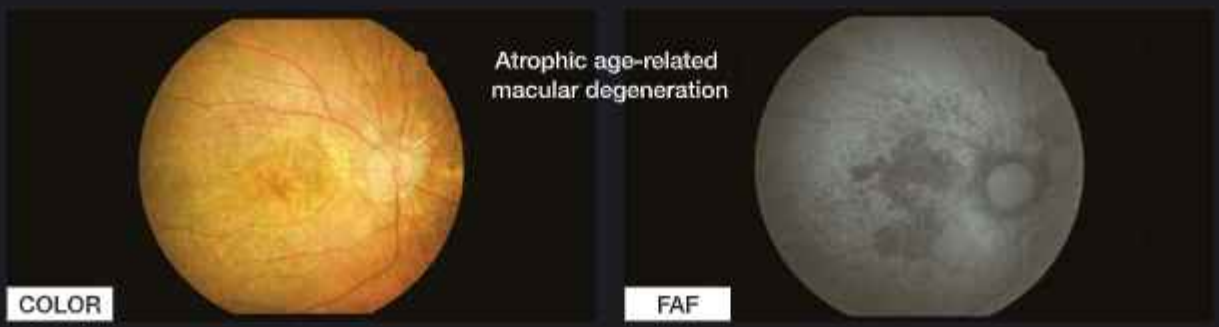
A digital camera unit has been developed specifically for the CX-1, combining Canon's expertise with SLR camera technology and fundus camera technology. The CX-1 and Canon's digital camera technology operate in concert to deliver high-quality images.

# Five photography modes available in both mydriatic and non-mydriatic modes.

## CX-1 Image samples







## Fundus Autofluorescence (FAF) Photography Available for Both Mydriatic and Non-mydriatic

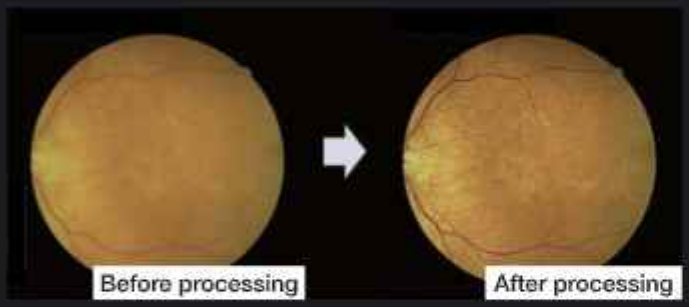
The CX-1 comes standard with the fundus autofluorescence (FAF) photography function for mydriatic and non-mydriatic observation of both eyes. Results are available quickly and easily, which can also reduce patient stress.

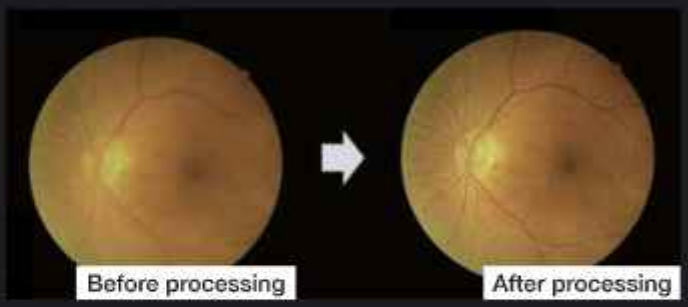
## High-quality Fundus Autofluorescence (FAF) Photography

Canon's autofluorescence (FAF) photography uses a high-sensitivity digital camera unit capable of taking realistic, high-quality images.

## Opacity Suppression

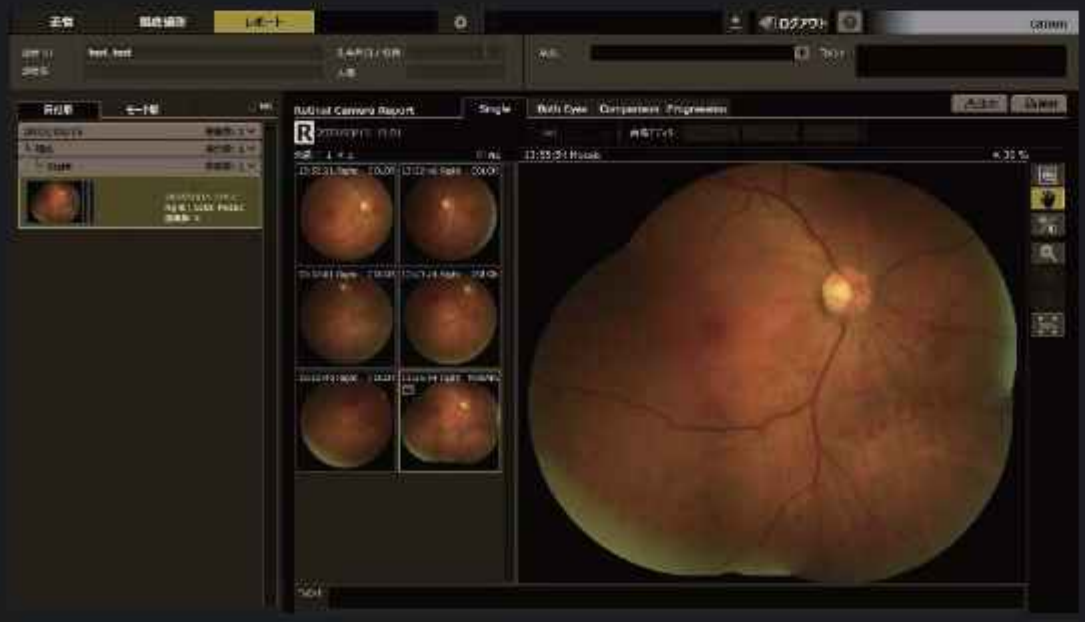
An image processing method that makes optic nerve heads and blood vessels easier to see in unclear fundus images with cloudy optic media, such as with cataracts.




## Panorama Image Creation * Optional

The software automatically stitches together multiple images taken from any desired direction.



## CX-1 Specifications

| | |
|---|---|
| Type | Mydriatic and Non-mydriatic |
| Photography mode | COLOR, RED FREE, COBALT, FLUO (fluorescein angiography), FAF (autofluorescence) |
| Retinal observation | Mydriatic mode: Optical viewfinder |
| | Non-mydriatic mode: LCD monitor mounted on rear of digital camera unit |
| Field angle | Mydriatic mode: 50° |
| | Non-mydriatic mode: 45° |
| Magnification | 2x (digital) |
| Mounted digital camera | CX-1 digital camera unit |
| Patient diopter compensation range | Without compensation lens: -10 D to +15 D |
| | When using negative compensation lens: -31 D to -7 D |
| | When using positive compensation lens: +11 D to +33 D |
| Working distance | 35 mm |
| Focusing | Split-line alignment type |
| Working distance adjustment | Working dots |
| Eye fixation lamp | Mydriatic mode: External eye fixation lamp |
| | Non-mydriatic mode: External eye fixation lamp, internal eye fixation lamp |
| Observation light source | Mydriatic mode: Halogen lamp |
| | Non-mydriatic mode: Infrared LED |
| Photography light source | Xenon tube |
| Operating range | Stage: Front/back: 65 mm, Left/right: 110 mm |
| | Main unit up/down: 90 mm |
| Panning range | Left/right: 30° |
| Tilting range | Up: 15° |
| | Down: 10° |
| Operating environment | Temperature: 10°C to 35°C |
| | Humidity: 30% to 80% RH |
| Dimensions | W320 mm × L531 mm × H577 mm |
| Weight | 26 kg |

## Main Components

| |
|---|
| CX-1 main unit |
| Digital camera |
| External eye fixation lamp |
| Digital camera cover |
| Objective lens cap |
| Chin rest paper (100 sheets) |
| Dust cover |

## Options

| |
|---|
| Internal eye fixation target |

* Specifications and appearance are subject to change without notice.

Canon

■ **CANON SINGAPORE PTE. LTD.**
Medical Equipment Product Division
1 Fusionopolis Place, #14-10 Galaxis, Singapore 138522
Telephone: +65-6796-3549
https://sg.canon/en/business/products

| | |
|---|---|
| ⚠ General Safety Information | ● Make sure you read the manual before using the instrument.<br>● Use the correct power source and voltage shown.<br>● Make sure the instrument is properly connected to ground. Failure to do so may result in an electric shock if there is a malfunction or ground leakage. |