Specifications

Type	Non-mydriatic type
Angle of view	45 degrees
Operation distance	45 mm from the front of objective lens
Minimum pupil diameter	4 mm
Image size	ø 17 mm on the sensor
Connected digital camera	Canon EOS Digital
	For details, contact an authorized Canon dealer.
Sensor resolution	3 million pixels or more
Patient's diopter compensation range	Without compensation lens: -12 to +15D
	With "-" compensation lens: -7 to -33D
	With "+" compensation lens: +11 to +35D
Working distance adjustment	Outer eye display: split pupil alignment
	Retinal display: working distance dots
Fixation target	Dot matrix
Light source	Observation: halogen lamp, 12V/50W
	Recording: strobe tube, max. 300W
Built-in monitor	5-inch monochrome TV monitor
Data output	RS422
Power supply	110 – 120V AC, 60Hz
	220 – 240V AC, 50/60Hz
Dimensions (W x L x H)	324 x 496 x 590 mm
	(12.8 x 19.5 x 23.2 in.)
Weight	Approx. 23 kg (50.6 lbs.)

Components

Main unit	1
Objective lens cap	1
Camera mount cap	1
Chin rest paper	100 sheets
Power cable	1
Dust cover	1
Blower brush	1
Camera cable	1
CR-DGi Image Viewer software	

Optional accessories

Chin rest paper (500 sheets)
Motorized table
External fixation lamp

TÜV CERT
DIN EN ISO 9001
Certificate: 09 100 5789

Specifications are subject to change without notice.

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0503SZ00 PRINTED IN JAPAN

Canon

CR-DGi

Non-Mydriatic Retinal Camera

Digital Speed, Digital Versatility

From easy alignment to digital image capture, the Canon CR-DGi has all the features needed to boost eye exam efficiency. Images can be checked just moments after capture. Image quality is outstanding.

See How Efficient You Truly Can Be

Images captured with the CR-DGi can be viewed immediately, making procedures more efficient. But that's just the beginning. Because the images are digital, they can be used with many different applications, such as telemedicine and electronic filing. The CR-DGi combines the power of digital imaging with quality and ease of use. It's the latest advance from Canon, the pioneer of non-mydriatic retinal cameras.

ADVANCED DIGITAL IMAGING

Quick access to images and more

Once images have been captured with the CR-DGi, they are transferred to a connected PC for observation. You'll be able to check ocular conditions right away, or take another shot when necessary (for example, if the examinee has blinked). The CR-DGi produces images that are ideal for diverse applications, including telemedicine, PC-based video conferencing, electronic filing, and remote storage.

Images are captured by the built-in Canon digital camera. No adapter required.

Superior image quality

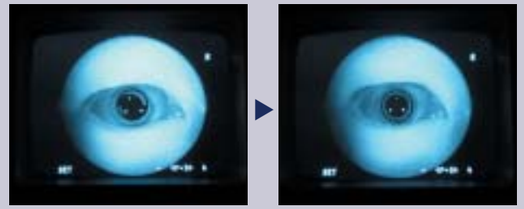
Canon technology provides the level of image quality that's essential for diagnostic needs. In addition to first-class reduction optics, the CR-DGi is equipped with a SLR digital camera designed for professional use. As a result, you can capture extremely refined images of the retina for detecting or monitoring diabetes, glaucoma, and other serious conditions.

USER-FRIENDLY OPERATION

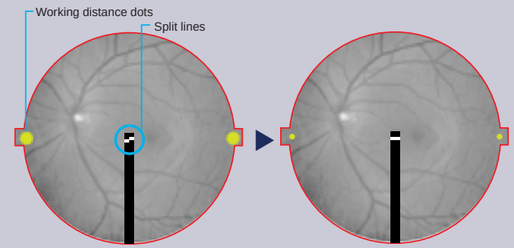
Easy alignment & focusing

Preparing for image capture is remarkably simple, thanks to a two-step procedure. First, you align the split pupil image with the operation lever. Then you switch to the retinal display, and adjust the split lines and working distance dots. This system makes it easy to obtain the correct distance to the retina, ensuring sharp images with practically every shot.

Step 1: Split pupil alignment



Step 2: Retinal image adjustment



Fixation target

Eye fixation is simplified by a user-friendly internal fixation target. This target is controlled with a button on the operation panel, allowing you to induce movement with one hand while adjusting focus with the other. Target position can be reset at the touch of a button.

Reduced illumination

The CR-DGi needs only a small amount of light to capture clear images, so examinees won't be discomforted by brightness. Required illumination is 90% less than during Polaroid photography and 75% less than with film photography.

Approximate figures based on comparisons with previous Canon products.