

**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-mydratric retinal cameras.**





### 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.



A Canon digital camera can be easily attached/detached without an adapter.

### Superior image quality



Canon technology provides the level of image quality that's essential for diagnostic needs. With the CR-DGi, this involves a combination of optics designed specifically for retinal imaging and Canon's renowned SLR digital camera technology. As a result, you can capture extremely refined images of the retina for detecting or monitoring diabetes, glaucoma, and other serious conditions.



### 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.

### 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 instant photography and 75% less than with film photography.

Approximate figures based on comparisons with previous Canon products.

# Specifications

<b>Type</b>	Non-mydratic type	<b>Components</b>
<b>Angle of view</b>	45 degrees	Main unit 1
<b>Operation distance</b>	45 mm from the front of objective lens	Objective lens cap 1
<b>Minimum pupil diameter</b>	4 mm	Camera mount cap 1
<b>Image size</b>	ø 17 mm on the sensor	Chin rest paper 100 sheets
<b>Attachable digital camera</b>	Canon EOS Digital <i>For information on available models, contact an authorized Canon dealer.</i>	Power cable 1
<b>Sensor resolution</b>	6 million pixels with Canon EOS 10D <i>Resolution depends on model of attached camera.</i>	Dust cover 1
<b>Patient's diopter compensation range</b>	Without compensation lens: -12 to +15D With "-" compensation lens: -7 to -33D With "+" compensation lens: +11 to +35D	Blower brush 1
<b>Working distance adjustment</b>	Outer eye display: split pupil alignment Retinal display: working distance dots	Camera cable 1
<b>Fixation target</b>	Dot matrix	CR-DGi Image Viewer (software)
<b>Light source</b>	Observation: halogen lamp, 12V/50W Recording: strobe tube, max. 300W	<b>Optional accessories</b>
<b>Built-in monitor</b>	5-inch monochrome TV monitor	External Fixation Lamp CR-FL
<b>Data output</b>	RS422	Chin rest paper (500 sheets)
<b>Power supply</b>	110 – 120V AC, 60Hz 220 – 240V AC, 50/60Hz	Motorized table
<b>Dimensions (W x L x H)</b>	324 x 496 x 590 mm (12.8 x 19.5 x 23.2 in.)	
<b>Weight</b>	Approx. 23 kg (50.6 lbs.)	



Specifications are subject to change without notice.

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