

MOBILE TELERETINAL SOLUTION

Canon non-mydratric, high-resolution retinal camera systems can be made transportable to conduct mobile, teleretinal, non-dilated eye screenings to support telehealth wellness programs at off-site, remote locations. The camera system, including laptop computer and image management software, can be transported using a customized rolling travel case equipped with top and side carry handles and wheels. Canon imageSPECTRUM image management software is a scalable platform that can provide fully automated, DICOM-compliant functionality to streamline network communication with EHR/EMR or PACS data storage systems.

Features

- Canon retinal cameras include auto functionality with auto-focus/capture/exposure
- Canon EOS-dedicated, high-resolution digital camera (18 megapixel or higher)
- Small Pupil Retinal Camera Mode facilitates imaging pupil sizes down to 3.3 mm
- Canon imageSPECTRUM software includes Red-Free and Opacity Suppression digital filters
- Custom Hard-shell Travel Case is designed to transport Canon retinal non-mydr camera and laptop

Canon Teleretinal Solution Suggested Components

- Canon CR-2 AF/CR-2 Plus AF Non-Mydratric Retinal Camera with dedicated EOS camera
- Laptop with Laptop Arm and Tray
- Hard-shell Travel Case
- Motorized Instrument Table
- Operator and Patient Stools



The CR-2 PLUS AF camera is shown with optional accessories.

CR-2 AF/CR-2 PLUS AF

DIGITAL NON-MYDRIATIC RETINAL CAMERA

Specifications

General

Type

Digital Retinal Camera, Non-Mydriatic

Type of Photography

CR-2 AF: Anterior, Stereo,
Color, Digital Red-free,
Digital Cobalt

CR-2 PLUS AF: Color, Digital Red-free,
Digital Cobalt, Fundus
AutoFluorescence (FAF)

Angle of View

45° (35° SP Mode)

Magnification

2x Digital

Minimal Pupil Size

4.0 mm (3.3 mm SP mode)

Focus Adjustment Type

Split-Line Adjustment

Patient Diopter Compensation Range

Without Compensation Lens: -10 D to +15 D
With "-" Compensation Lens: -31 D to -7 D
With "+" Compensation Lens: +11 D to +33 D

Light Source

Observation: LED

Photography

CR-2 AF: White LED

CR-2 PLUS AF: Xenon Tube

Canthus Mark

420 mm from base

Internal Eye Fixation

LED Dot Matrix; four programmable patterns

External Eye Fixation

White LED (Sold Separately)

Working Distance

35 mm

Working Distance Adjustment

Anterior
Observation: Double Image
Match Method

Fundus

Observation: Working Distance Dots

Sensor Resolution

CR-2 AF: 20.2 megapixels

CR-2 PLUS AF: 18.0 megapixels
or more

Camera

CR-2 AF: Dedicated EOS Camera
for CR-2 AF (Bundled)

CR-2 PLUS AF: Dedicated EOS Camera for
CR-2 PLUS AF (Bundled)

Monitor

3.0-inch Color LCD Monitor External Monitor
(Optional)

Auto Function

Automatic Exposure

Mount Movement

Front and Back: 70 mm

Side to Side: 100 mm

Up and Down: 30 mm

Chin Rest Movement

60 mm

Electrical and Environmental

PC Interface

USB 1.1, USB 2.0

Power Supply

AC 100-240 V, 50/60 Hz

Operating Environment

Temperature: 50° to 86° Fahrenheit
(10° to 35° Celsius)

Humidity: 30% to 90% RH (No Condensation)
Atmospheric Pressure: 700 to 1060 hPa

Physical Characteristics

Dimensions (H x W x D)

CR-2 AF: 18.6" x 12" x 19.7"
(473 mm x 305 mm x 500 mm)

CR-2 PLUS AF: 20.2" x 12" x 19.7"
(513 mm x 305 mm x 500 mm)

Weight

CR-2 AF: 33 lb. (15 kg)

CR-2 PLUS AF: 43.9 lb. (19.9 kg)

Optional Accessories

AutoMosaic Function

External Fixation Target

Motorized Table

Auxiliary Monitor

To schedule a demo or for additional information,
call 1-800-970-7227 or visit our Web site.

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