

Cellview Imaging WRI-1

Practitioner's Guide to Patient Interaction and Measurement Procedures



Discover high-quality
widefield retinal imaging

 **CELLVIEW IMAGING**
ADVANCED OPHTHALMIC IMAGING SYSTEMS

Getting Started

What you see



What to do

Clean the device

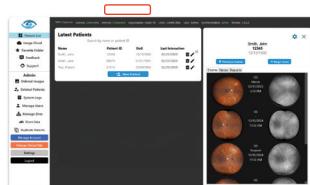
- Clean chin/headrest & metal frame with soft cloth moistened with alcohol, while the procedure is described to the patient.
- If the patient is wearing a hat or glasses, they should be removed.
- It is recommended to check the cleanliness of the lens for each patient to ensure optimal image quality.
- If necessary use a microfiber cloth or drops of lens cleaner and optical paper.

What to say

Good morning/afternoon, Mr/Ms <Patient Name>.

My name is <Operator Name>, and I will begin by taking a picture that helps us assess the condition of your eyes.

I will guide you through each step of the process, but if you have any questions, it's best to ask them now rather than during the measurements.



New patient

- Tap "New Patient".
- Enter Patient Information.
- Tap "Save Patient" and then "Begin Scan".

Previous patient

- Select a patient in the patient list or enter the patient's name or ID in the Search bar.
- Tap "Begin Scan".

During the examination you will look at the green light inside the device (it may appear as a big or small cross depending on the setting).

Try to keep your eyes open and still. You'll see a brief flash—it's normal and harmless. If needed, we may take more than one photo. Let me know if you have any questions.



Patient positionning

- Stand beside the device to adjust the chinrest height using the dial. Align the patient's eye with the canthus line.
- Forehead should touch the headrest.
- Chin should firmly press on the bottom & front of chinrest.
- Raise/lower table as needed for comfort and proper alignment.

Your chin will rest here (pointing to chin rest), and your forehead will be supported here (pointing to headrest) throughout the test. Please keep your forehead touching the headrest and your chin on the chinrest during the examination. Rest your arms on the table on either side of the device like this (help position patient).

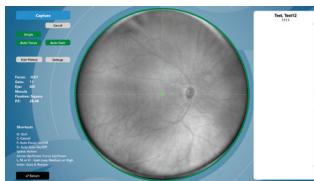
Try not to blink during the capture, but you can blink freely before and after. Does that feel comfortable? Great! That's perfect!

Reminder

The device body may be swiveled slightly to the right or left to optimize its positioning relative to the patient's face. This adjustment can facilitate alignment in cases of prominent anatomical features such as the nose or brow ridge, as well as in the presence of intraocular opacities. It may also assist in visualizing extreme peripheral regions of the retina.

Getting Started

Capture imaging



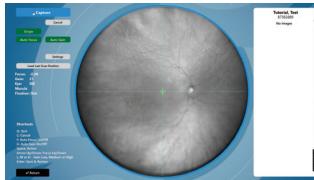
Option 1: Single Image

- Captures a 133° view (selected by default).
- The green cross is displayed for alignment.

Option 2: Stitch Image

- Captures a wider view by combining two images for a 200° result.
- The green cross is displayed for alignment, with two pre-set positions automatically selected: the fixation target for the first image is always on the left, and for the second image, it's on the right. Both targets are equidistant from each other.

What you see



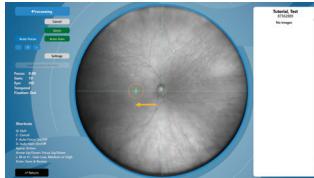
What to do

Option 1: Single Image

- Single image mode is the default setting.
- Press the joystick or “Start” button.
- Align the camera to the pupil.
- Move forward until the retina fills the view.
- Press the joystick once to focus and a second time to capture.

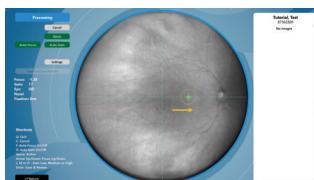
What to say

Please look at the green cross inside the device. Try to keep your eyes wide open and as still as possible. You may see a bright flash—it's normal and only takes a second. If you feel uncomfortable or need to blink before the photo, just let me know.



Option 2: Stitch Image

- Tap “Stitch”.
- Press the joystick to start or click on “Start” button.
- The target moves to two positions automatically.
- Align the **target fixation** with the patient's pupil.
- Move the camera forward until your image looks clear.
- Press the joystick first to focus.
- Press the joystick a second time to capture.
- Accept or retake first image.
- Capture the second image by pressing the joystick only once.
- Accept or retake second image.
- Images are stitched automatically.



Before the first photo:

Please look at the green cross inside the device. Try to keep your eyes wide open and as still as you can. The green cross will be slightly off center for the first photo, but that's normal. To help you look at the fixation target, you can hide the opposite eye with your hand without closing it. You'll see a quick bright flash – it only lasts a second.

Before the second photo:

Now the green cross will be located on the other side. Keep looking at it and try to stay still. You'll see another quick flash, just like the first one.

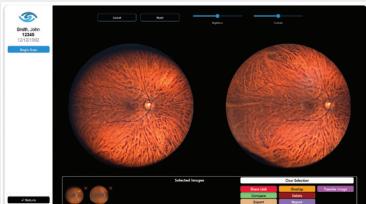
“Now we'll test your other eye.
Stay where you are, keep looking straight ahead and I will align the device.”

We'll repeat the same procedure, whether using option 1 or option 2.

Processing Results

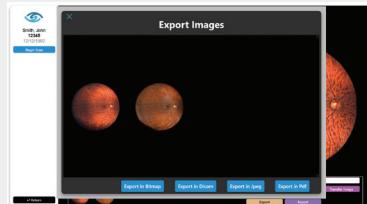
By selecting one or more images, you can access various features such as Compare, Export, Create a Report, Transfer Images, Share via a Link, or use the Overlap option.

1. Compare



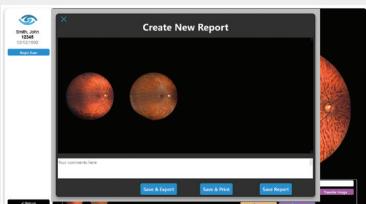
- Click the light green “Compare” button to see them side by side.
- Adjust brightness and contrast with the sliders at the top.

2. Export images



- Click the beige “Export” button to send the selected images.
- Choose the file format (BITMAP, DICOM, JPEG, PDF) to export.
- A window will open to select where to save the images.

3. Create new report



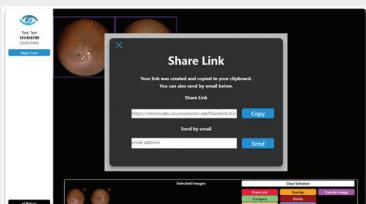
- Click the purple “Report” button to create a report including the selected images.
- Add comments in the “Comments” section if needed.
- Then choose “Save & Export,” “Save & Print,” or just “Save Report” to save in the system.

4. Transfer images



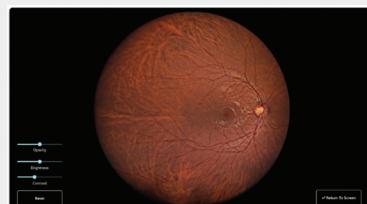
- Click the light purple “Transfer Image” button to transfer the selected images to another patient file.
- Enter the 3 initial of the patient in which the transfer will be made.
- Select the appropriate patient and then tap “Transfer Images”.

5. Share link



- Click the red “Share Link” button to securely share the selected images via an URL link or an email.
- Copy the link created in the Share Link section or enter the email address in the Send by email section before clicking on “Send”.

6. Overlap



- Click the orange “Overlap” button to combine the two selected images into a single view, making it easier to monitor retinal changes.
- Adjust the opacity of the overlap or the brightness and contrast with the sliders at the bottom.

Cellview is a EU Class I medical device intended for Optometry. CE marked. Manufacturer: Cellview. This product is an FDA Class II medical device, 510(k)-exempt under 21 CFR 886.1120, subject to the limitations in 21 CFR 886.9. For professional use only, read attentively the instructions for use. As improvements are made, these specifications are not contractually binding and may be modified without prior notice.