Ophthalmic Software Platform RX

The new software platform for Canon retinal cameras and OCT.

Designed for seamless integration and connectivity with patient management systems.
**Ophthalmic Software Platform RX**

### 4 different modules

- **RX Capture for OCT-H5100**
- **RX Capture for Retinal Camera**
- **RX Server**
- **RX Viewer**

### Configurations

**Stand-alone**

Capturing viewing and archiving—all in one system.

RX viewers can be connected over the network, 2 viewers can access the database at the same time.

**Network configuration**

Multiple systems can be connected to the RX Server with an indefinite number of RX Viewers. Maximum 10 viewers can have access to the RX Server at the same time.

**Synergy in Retinal imaging:**

The OCT-H5100 and a Canon retinal camera can be run from one PC, sharing the same database. Combining the clinical information will enhance the diagnosis.

**Designed to tailor for the various needs for integration and connectivity**

Command line interface in order for our application to work seamlessly with Electronic Medical Record Systems

Third party software can start the Canon RX software

RX Software shows data of that patient

Canon RX software can start third party software

Third party software opens on that patient

**Patient data input**

Extensive possibilities for seamless integration:
- Input data manually
- Import a list from the practice management system (CSV file)
- Use a Modality Worklist (in a DICOM environment)
When obtaining retinal images, ocular opacities will cause several problems. With CANON OPACITY SUPPRESSION (COS) the effect of ocular opacities will be largely suppressed. Previously unsuitable images could now provide you with essential clinical information!


** Extensive software tools **

**CANON OPACITY SUPPRESSION**

**Emboss positive**

Embosses an image: positive (the optic disc stands out) or negative (the blood vessels stand out)

**Emboss negative**

**Overlay**

Overlay 2 images to see differences and changes in pathology

**Loupe function**

The image can be magnified at a user selected ratio and location.

**Inversion**

Inverts the color of an image to aid diagnosis.

**Digital Cobalt and Red Free**

Image based on the EOS technology and proprietary image processing


**RGB Channel view**

Colour images can be separated into Red, Green and Blue channels for additional diagnostic information.

**Mosaic function (optional)**

Combines up to 20 images

**Adjustments and annotations**

Rotate or flip an image horizontally or vertically.

**Extensive Annotations and cup/disc measurement**

**Main Features**

- Without Canon Opacity Suppression
- With Canon Opacity Suppression
- Inversion
- Digital Cobalt and Red Free
- Overlay 2 images to see differences and changes in pathology
- The image can be magnified at a user selected ratio and location.
- Emboss positive and negative
- Extensive software tools

**Emboss positive**

Embosses an image: positive (the optic disc stands out) or negative (the blood vessels stand out)

**Emboss negative**

**Overlay**

Overlay 2 images to see differences and changes in pathology

**Loupe function**

The image can be magnified at a user selected ratio and location.

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**Extensive Reporting**

- **Single Eye**
  - Report screen showing information of one eye

- **Both Eyes**
  - Compare left and right eye

- **Comparison**
  - Compare with past examinations

- **Progression**
  - Observe progression, select up to 5 past examinations

- **Combined**
  - Various combined reports with OCT data for glaucoma and macula disease

**Extensive Output possibilities**

- **PDF reports**
  - Extensive possibilities to create desired layout and contents

- **JPEG, BMP**
  - Easy format to exchange images or give to patient.

- **Printed reports**
  - Extensive possibilities with different layouts and contents

- **DICOM**
  - The universal image format as used in the medical world
Ophthalmic Software Platform RX

Designed to work with the following Canon retinal cameras and OCT:

- Intuitive interface
- Smart and attractive design
- Network-ready for easy integration
- Command line interface
- Full DICOM

Upgrade path
Cameras that are currently working with the previous Canon software (RICS) can be upgraded to the new RX platform. Existing databases can be imported.

Software Operating Environment

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>CPU</td>
<td>Core i3 2.4GHz or higher (2 or more cores)</td>
</tr>
<tr>
<td>RAM</td>
<td>4 GB or more</td>
</tr>
<tr>
<td>GPU</td>
<td>NVIDIA video card supporting DirectX 11 (Quadro 4000 or other graphics cards with higher performance)</td>
</tr>
<tr>
<td>Display</td>
<td>Screen resolution: 1920 x 1080 pixels&lt;br&gt;Screen colors: 24 bits or more</td>
</tr>
<tr>
<td>Hard disk</td>
<td>500 GB or more: RAID-1 (mirroring); for a local server (when not introducing the RX Server yet)&lt;br&gt;100 GB or more: For a remote server (when introducing the RX Server)</td>
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<tr>
<td>Interface</td>
<td>USB 2.0</td>
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<tr>
<td>Network</td>
<td>1000BASE-T or more</td>
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<tr>
<td>OS</td>
<td>Microsoft Windows 7 Professional (x64) SP1</td>
</tr>
<tr>
<td>Application software</td>
<td>Microsoft .NET Framework Version 4.5.1&lt;br&gt;Microsoft DirectX 11 End-User Runtimes&lt;br&gt;SQL Server 2008 R2 Express Edition SP2 (x64) US version</td>
</tr>
<tr>
<td>Mouse</td>
<td>Wheel mouse</td>
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