



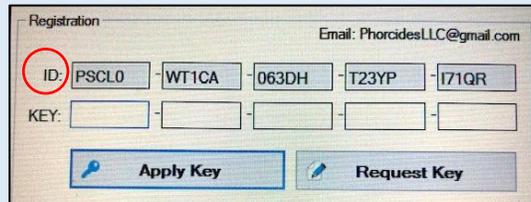
**PRE-INSTALLATION OF SOFTWARE CHECKLIST:**



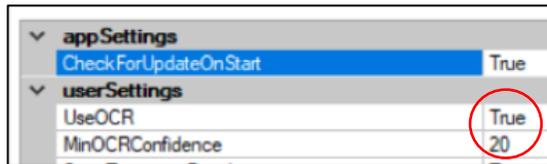
1. Must be the administrator of the computer, as well as, accessibility to import and export to a flash drive (can be more of an issue with corporate centers)
2. Can be installed on Windows Vista and all systems Windows 7 or higher (1.8 GHz or faster processor with 4GB of RAM and 10GB of available hard drive space)
3. Ensure the Windows based laptop has been through recommended updates (Not all computers are set to install updates as they are available)
4. Have flash drive available (do not use SanDisk brand – conflicting software is preloaded)
5. Phorcides requires 2 additional software programs to be downloaded first to function properly: Visual C++ Runtime Installer and Microsoft NET Framework 4.6. Please ensure these are loaded prior to Phorcides download or software will not work properly.  
*(Often you will see a popup during these installs that appears it cannot be loaded. Under the statement in the popup choose More..., this will allow you to Run Anyway or Cancel – please select Run Anyway.)*

**INSTALLATION:**

1. Follow installation instructions
2. Register software – in name of individual surgeon with all data fields completed
3. Following install – launch Phorcides to view software ID *(see below)*
4. Request Activation Key – 5 sets of 5 characters (25 total- mixture of capital letters and numbers) are needed from Lobanoff team to ensure software stays open for use. (The system will allow you to do a trial run but must have a key to continue after that session.)  
Preferable to receive via a picture on email as “l” and “1” as well as “0” and “O” may be confused in different fonts of data entry for Key.



5. Upon loading – Go to TOOLS>Settings>change User Settings.... OCR dropdown to **True** and change MinOCR Confidence from 30 to **20**

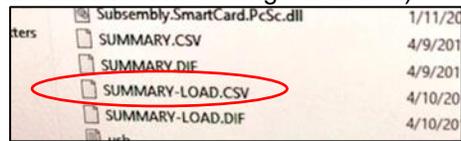


**PREPARING PENTACAM® FOR AUTOMATIC POPULATION:**

*NOTE: Typical LASIK centers take a pre-operative Pentacam® on both of the patient's eyes. When they take the maps, it is vital that they OPEN the 4 Map Refractive on each eye. Just by opening these, the system creates a file of the measurements in a data file called a CSV (comma separated values) excel file This large internal spreadsheet contains everything necessary for the system to extract and automatically populate if a special file is saved onto a flashdrive and saved into the Pentacam® folder on the desktop*

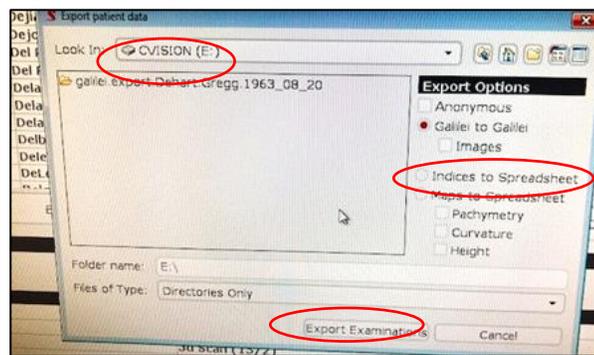
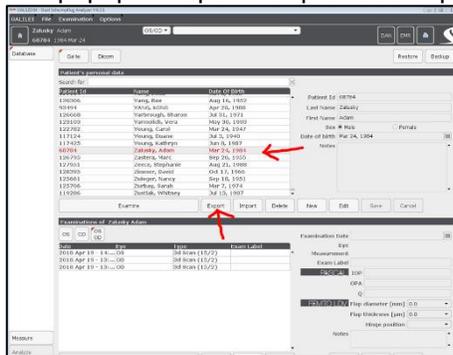
1. Open any patient image. Click Settings > Miscellaneous Settings > Export. Check the CSV Separation Character from left column....this MUST be a comma (,). If it is a semi-colon (;).... please change to comma (,)
2. Before using the Pentacam® for Phorcides, enter the file system by going to the bottom left of the screen to open Windows > then C Drive. Scroll down to select Pentacam® folder then scroll down to locate SUMMARY-LOAD.CSV. Delete this and only this file. It automatically recreates the file. (The file being deleted the first time is likely very large. From this point forward, you can delete it every once in a while but it will not be so large, but will easily have all of the patients you need on it.)

3. Search each patient file and open 4 Map Refractive display for each eye (remember that simply opening these files will save the data on the SUMMARY-LOAD.CSV file)
4. Save the SUMMARY-LOAD.CSV file with the patients being calculated on the flash drive (it will not cause a problem if there are more patients on the file than the ones being calculated)



### PREPARING GALILEI™ G4 FOR AUTOMATIC POPULATION:

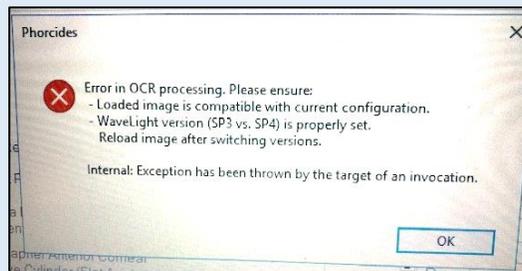
1. Insert flash drive into USB port
2. Search for patient name > select the patient then select the desired exams since there may be more than one date > select Export
3. A popup will open that provides Export Options: Select INDICES TO SPREADSHEET



4. Confirm to export to Removable Disk (E:) and select Export Examinations
5. Following transfer of patient data - remove USB and upload into G4 folder of Phorcides

### TROUBLESHOOTING POTENTIAL INSTALLATION ISSUES:

1. Phorcides installation and appropriate image/data transfer is complete but Phorcides will not auto-populate any fields and presents with error code



#### Possible answers

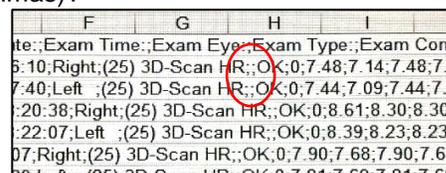
- Laptop has not been updated for common Windows updates?
- Resolution on Phorcides loaded laptop has not been increased?
- Another program on the laptop is interfering with OCR?
- Possible firewall preventing OCR?
- Forgot to select correct software version of Wavelight SP3 or SP4?

*May want to delete and re-install Phorcides as a first step...then double-check settings.*

2. Unable to get Pentacam® auto-population even though file was saved from Pentacam® and imported into Pentacam® Folder of Phorcides

#### Possible Answer

- Open SUMMARY-LOAD.CSV file > are the fields separated by ; (semi- colons) instead of , (commas)?



- Pentacam® has Apple computer screen running Windows instead of Window based origin computer
- Older version of Pentacam® that has not been upgraded or updated in many years?

*Pentacam® issues can be very different and confusing since there are so many versions of the Pentacam® that can cause issues in many different ways – Please call to access help to assess.*

3. Unable to change the GALILEI™ G4 from Export Option from “Galilei to Galilei” to “Export to Spreadsheet”

Possible Answer

- The current set up of the GALILEI™ does not include the CSV license  
*If this is the issue, the customer must call their GALILEI™ sales rep to acquire this license and costs may be associated. Older acquired systems may incur this issue.*

*Please always consult the most current Phorcides User Manual from Phorcides Analytic Engine Website – This document is continually updated to reflect the most current information.*