1) Add this path to Matlab:  
X:\Lab\Computer Code\Image Processing\Hamamatsu DCIMG reader

2) Use the function readDCIMG.m in that directory.  The syntax is:  
  
out = readDCIMG(filename, framelist);

where filename is a string, and framelist is a vector of frame numbers to read in.  If framelist is omitted, it reads all frames.

\*\* On computers that don't have a hamamatsu camera already installed, you need to do two additional things before running the code.

**For 64 bit OS,**

1)      copy **dcimgapi.dll**  from

X:\Lab\Equipment\Hamamatsu Orca Flash sCMOS camera\Hamamatsu\_HCImage\_install\Drivers\DCAM\DCAMAPI\phxfbd\WinX64

and place it in the folder ..Windows\system32 folder of your computer

2)      copy out the **dcimgapi.dll**  from

X:\Lab\Equipment\Hamamatsu Orca Flash sCMOS camera\Hamamatsu\_HCImage\_install\Drivers\DCAM\DCAMAPI\phxfbd\WinVista\_x86

and place it in your ..Windows\SysWOW64 folder of your PC

**For 32 bit OS,**

1)      copy **dcimgapi.dll**  from

X:\Lab\Equipment\Hamamatsu Orca Flash sCMOS camera\Hamamatsu\_HCImage\_install\Drivers\DCAM\DCAMAPI\phxfbd\WinVista\_x86

and place it in your ..\Windows\system32 folder of your PC