Formatting a PCIe SSD in Windows 7/8

To take full advantage of the 100fps speed with the new optiMOS sCMOS camera, QImaging recommends using a PC with a high speed Solid State Drive (SSD). At full frame rate and resolution, the optiMOS produces a maximum data rate of 420MB/s. Given this, a single PCIe SSD that is able to maintain a maximum data rate above 500MB/s up to the full capacity of the drive is sufficient for use with the optiMOS.

QImaging has tested and recommends the following SSD:

- **Intel Solid-State Drive 750 Series 400GB:**

After the PCIe SSD is installed, you need to format the disk in order to write to it. The instructions outline how to proceed through this process.

1. Click on the Windows Icon, right click on Computer and select “Manage”
2. Once Device Manager launches, select “Disk Management”

3. Once selected, by default an “Initialize Disk” window will pop up. Select OK
4. The “Unallocated” space is the SSD that was just installed. Right click on this area and select “New Sample Volume”

5. This will start a wizard to format the SSD. Use the default values from the wizard with the exception of Disk Name. Enter a name for easy identification, for example “RAIDR”
At the end of this wizard, the SSD will be formatted and available for read/write in any windows application. Pointing to this drive from the imaging software will allow direct streaming to disk at 100fps frame rates with the optiMOS (for applications that support high speed streaming to disk).