



SURFCAM Velocity - Minimum System Requirements:

1. **Operating System:** Windows® 2000 Service Pack 4
2. **Processor:** Pentium® III, 800 MHz or Athlon® 800 MHz
3. **Memory:** 128 MB RAM
4. **Hard Disk Space:** 800 MB Free
5. **Video:** 32 MB Windows® 2000/XP DirectX® 9.0c or higher compatible display adapter capable of 1024x768 resolution in 16bit color
6. **DirectX® :** DirectX® 9.0c(included) or higher
7. **Pointer:** Windows® Compatible Mouse
8. **Communications Port:** USB
9. **CD-ROM Drive**

SURFCAM Velocity - Recommended System Requirements:

1. **Operating System:** Windows® XP Professional Service Pack 1a
2. **Processor:** Pentium® IV, 3.4 GHz or Athlon® 64 2.6 GHz
3. **Memory:** 1 GiG RAM
4. **Hard Disk Space:** 1 GiG Free
5. **Video:** 256 MB Windows® XP DirectX® 9.0c or higher compatible display adapter capable of 1280x1024 resolution in 32bit color
6. **DirectX® :** DirectX® 9.0c(included) or higher
7. **Pointer:** Windows® IntelliMouse Optical Mouse with wheel
8. **Communications Port:** USB
9. **CD-ROM Drive**

Verifying your Graphics Settings

SURFCAM® Velocity™ uses the latest version of DirectX® technology from Microsoft's ActiveX® technology suite. The move to use ActiveX® vs. Open-GL is due to its broad support of modern color cards supporting this technology, modernization, and capabilities. When using SURFCAM® Velocity it is important to **verify that the following settings are properly configured:**

DirectX® 9.0c

SURFCAM Velocity requires Microsoft® DirectX® 9.0c. If your Operating System is XP® Service Pack 1a or later DirectX® 9.0c should already be installed. When installing SURFCAM® the Installation Manager automatically detects if the required version of DirectX is available. If it isn't, the ability to install SURFCAM® is disabled requiring DirectX® to be installed first. If installing from the CD isn't an option the latest version of DirectX® is also available from the Popular Download section on **Microsoft's main page**.

Color Quality

When shading a model a color setting of Highest(32 bit) will provide the desired quality. A lower setting will appear as if there are distinct bands of color. A gradient background will also reflect this.

To change* the color quality:

1. Right-click on the desktop and selecting Properties from the menu.
2. Select the Settings tab from the Display Properties dialog.
3. Select the Highest (32 bit) selection from the Color Quality list of choices.
4. Select OK.

* These steps apply to Windows XP®. Windows 2000® may differ slightly.

Hardware Acceleration

Windows XP® Professional uses hardware acceleration to improve display performance. If SURFCAM fails to start or the graphics are slow to react increasing the hardware acceleration can resolve the problem. Hardware acceleration for your graphics hardware has six settings. The following table shows the settings and their meanings:

Setting Description

None	Disables all accelerations. Use this setting only if your computer frequently stops responding or has other severe problems.
1	Disables all but basic accelerations. User this setting to correct more severe problems.
2	Disables all DirectX® Graphics accelerations, as well as all cursor and advanced drawing accelerations. Use this setting to correct severe problems with DirectX accelerated applications.
3	Disables all cursor and advanced drawing accelerations. Use this setting to correct drawing problems.
4	Disables cursor and bitmap accelerations. Use this setting to troubleshoot mouse pointer problems or corrupt images.
Full	Enables all acceleration features. This setting is recommended if your computer has no problems.

To change* hardware acceleration:

1. Right-click the desktop, and then click Properties.
2. In the Display Properties dialog box, click the Settings tab, and then click the Advanced button.
3. Click the Troubleshoot tab, and then choose the desired level of hardware acceleration. For best results choose Full.

* These steps apply to Windows XP®. Windows 2000® may differ slightly.

NOTE: If you use multiple monitors, changing hardware acceleration settings affects all monitors.

Video Card Drivers

The color card must be DirectX® 9.0c compatible. The latest video drivers should be installed. Most video card manufacturers provide the ability to download drivers from their website. If you know which card you are using you can, in most cases, access driver updates by answering a few simple questions.