



Installation Instructions

GemView Tablet Display & Epic SigToolEHDGV

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Introduction

The SigToolEHDGV software tool provides full screen visibility for patient facing documents in Epic using Topaz GemView® Tablet Displays. Topaz recommends POC/Test server before deploying to production.

Epic Prerequisites

1. Epic Hyperdrive
2. Epic Authentication Administration
 - a. Topaz signature pads will show in the System level as Topaz or Topaz2.
 - b. If combined on the same server with pads, GemView requires an override in a lower group like Department, Location etc.
 - c. For testing, you may select Workstation and then set to Topaz GemView.
 - d. If you only have GemView Tablet Displays in your environment, then you may set System level to GemView.

For more information about eSignature in Epic, search Epic Galaxy for the eSignature Setup and Support Guide and click on the "eSignature Device Creation" section.

Server Prerequisites

1. Windows Server 2016 or later
2. SigPlus version 4.4.0.101 or later
3. .NET Framework 4.7.2 minimum, .NET Core 3.1

Client System Prerequisites

1. Desktop PC or laptop with Windows 10 or newer operating system



GemView Device VID/PID

Do not redirect GemView. You may DENY USB direction using the following information:

VID 0543 / PID E609 GV7
VID 0543 / PID E610 GV10
VID 0543 / PID E641 GV10 Touch
VID 0543 / PID E603 GV16

Epic ProgID

SigtoolEHDGV Prog ID: TopazHD.GemViewDevice

Installation Instructions

Epic Published Application – Server

If you already have *SigPlus* installed for Epic, such as *SigPlusOCXWin32 V4.4.85.10*, you may skip to install *SigToolEHDGV* section. Both Topaz signature pads and GemView for Epic are designed to be supported by the same *SigPlus* installation.

Servers Supporting Both Traditional Signature Pads and GemView Tablet Displays

Note: If server is already configured to use traditional pads, you can skip step 3.

1. Download www.topazsystems.com/software/SigToolEHDPad_SigPlus_MSI.zip.
2. Extract and install SigToolEHDPad and SigPlusWin32Ocx.msi for traditional signature pads (i.e. model T-LBK-462-HSX-R).
 - a. Select the traditional model being used when installing SigplusWin32ocx.
3. Install the included SigToolEHDGV.msi.

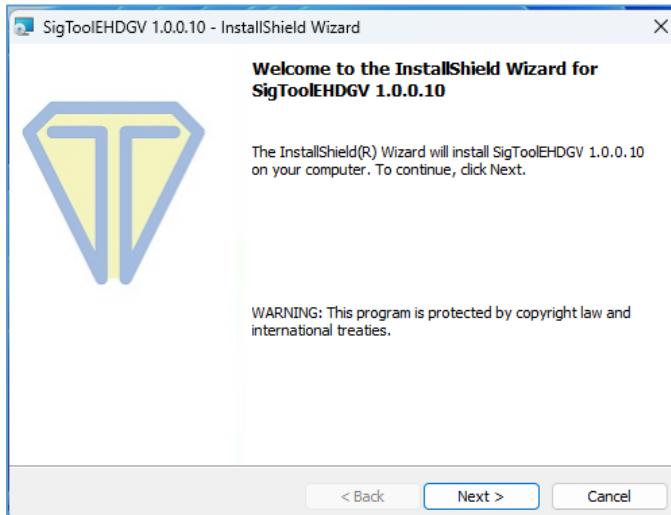


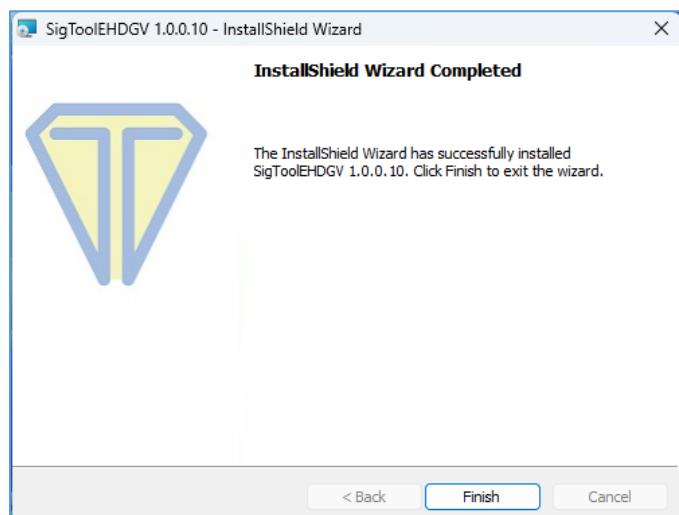
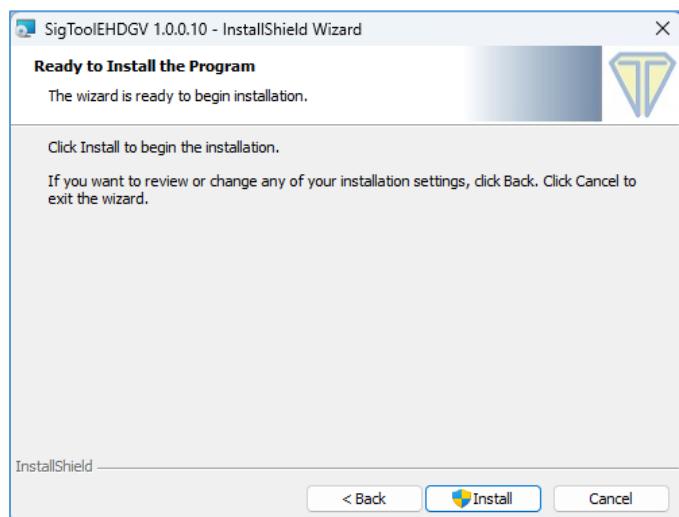
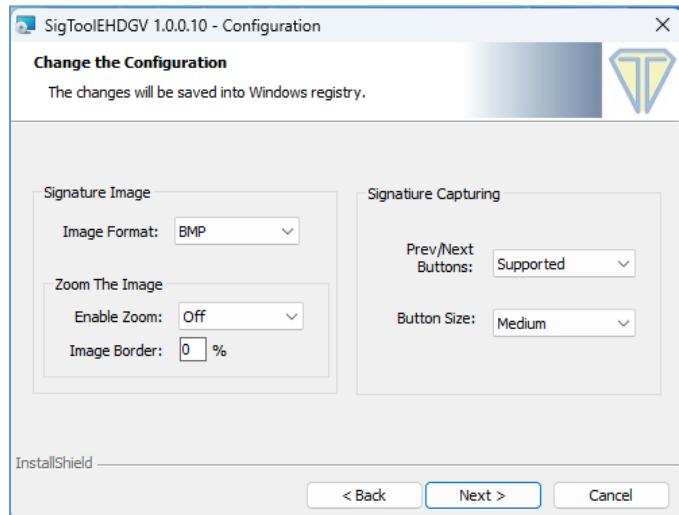
Servers Supporting GemView Only

1. Download www.topazsystems.com/software/SigToolEHDGV_SigPlus_MSI.zip.
2. Install the included SigPlusOCXWin32.msi
 - a. Select model "GemView" and connection "HSB/HSX" during installation.
3. Install SigToolEHDGV.msi.

SigToolEHDGV Software Installation

1. Install the **SigToolEHDGV.msi** included in download on your Epic server.





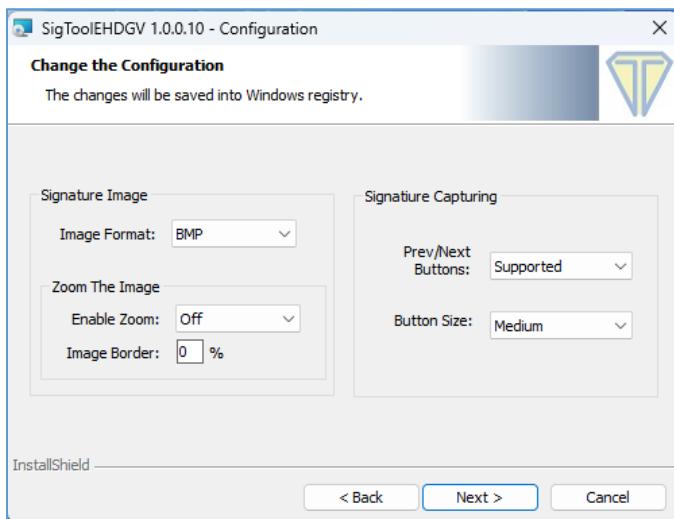
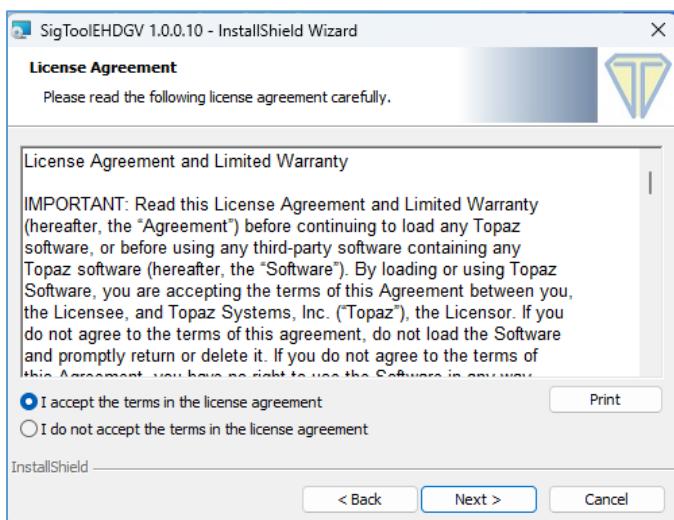
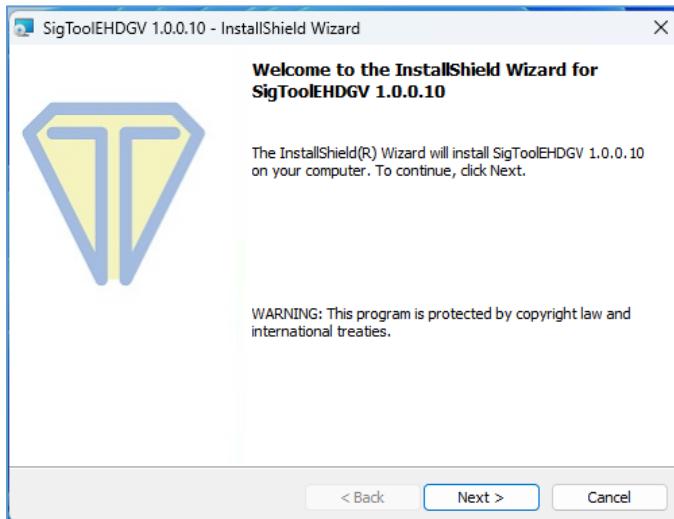


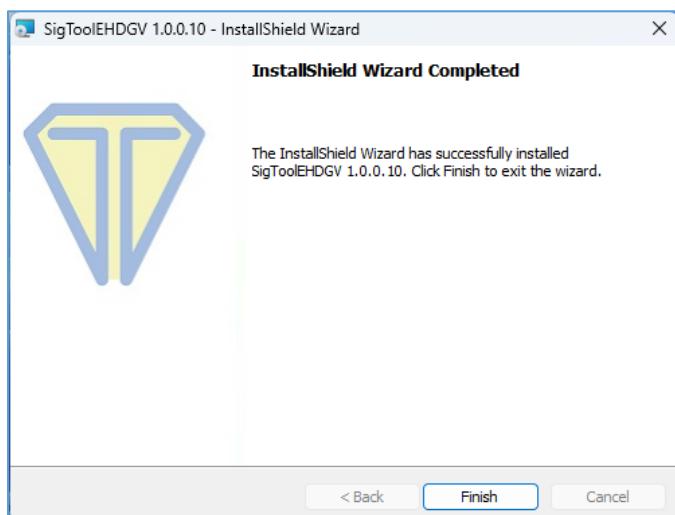
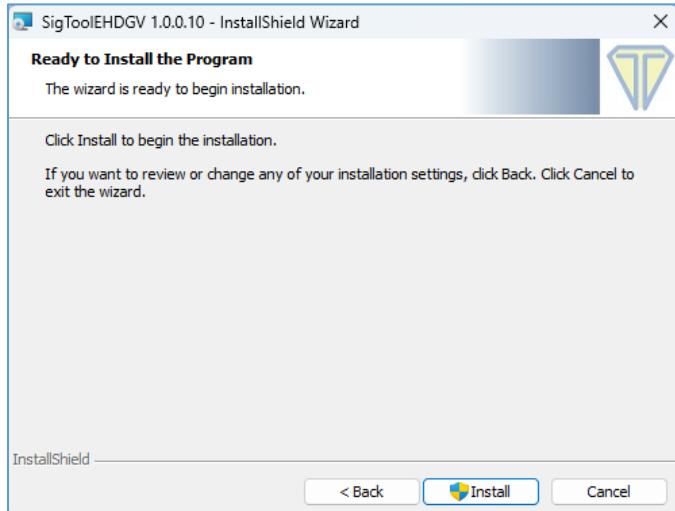
Epic Published Application – Client PC

1. DisplayLink Software (optional only as needed)
 - a. Most Windows 10/11 systems automatically load the DisplayLink driver when the GemView is identified. Some corporate networks do not use Windows Update and you may have to manually install DisplayLink software. If GemView is acting as a second monitor after plugging it in, you do not have to manually install the DisplayLink software. If manual install of the DisplayLink driver is required, download, and run the installer:
www.synaptics.com/products/displaylink-graphics/downloads/corporate.
2. Install and configure GemView Tablet Display Manager on the client computer:
www.topazsystems.com/software/download/gemview.exe.
3. Set GemView as “Extended Monitor” (see appendix “Configure Windows Display Settings” for details).
4. If server configuration and Epic Authentication Administration settings are in place, connect to Epic Session and test.

Epic Client Installed on Endpoint/Local – Client PC

1. DisplayLink Software (optional only as needed)
 - a. Most Windows 10/11 systems automatically load the DisplayLink driver when the GemView is identified. Some corporate networks do not use Windows Update and you may have to manually install DisplayLink software. If GemView is acting as a second monitor after plugging it in, you do not have to manually install the DisplayLink software. If manual install of the DisplayLink driver is required, download, and run the installer:
www.synaptics.com/products/displaylink-graphics/downloads/corporate.
2. Install and configure GemView Tablet Display Manager on the client computer:
www.topazsystems.com/software/download/gemview.exe.
3. Set GemView as “Extended Monitor” (see appendix “Configure Windows Display Settings” for details).
4. Install the included SigPlusOCXWin32.msi and select model “Gemview” and connection “HSB/HSX” during installation.
5. Install the SigToolEHDGV.msi (included in zip file download).





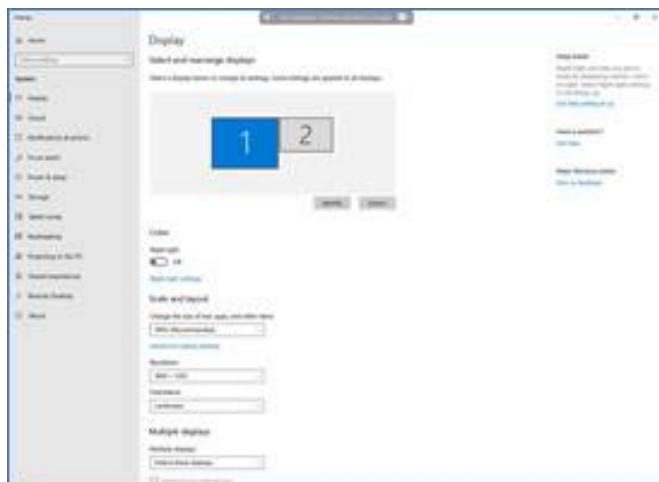


Appendix

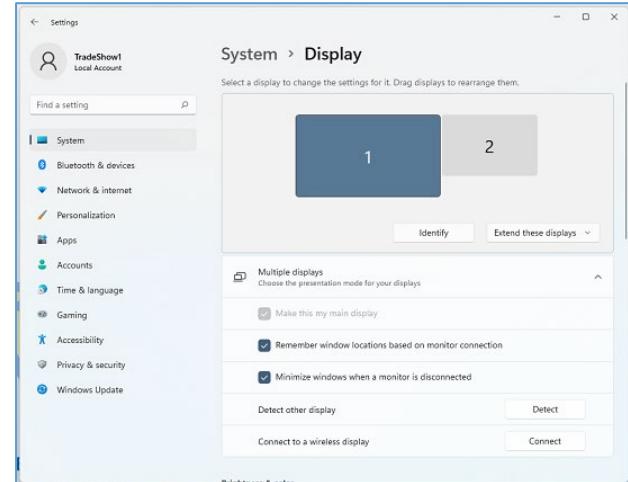
Configure Windows Display Settings

Use the Display program in the Windows control panel to configure the tablet display for your installation (see screenshot below). You may specify the following characteristics:

1. **Resolution:** Use the recommended resolution
2. **Scaling:** Use the recommended setting
3. **Orientation:** Landscape or portrait
4. **Multiple displays:** Extend these displays
5. **Alignment:** Make sure that the tablet display is on the side of the main display you want to use when moving windows from the main display. If you need to identify the GemView, click the "Identify" button and note the number on the tablet display.



Windows 10



Windows 11

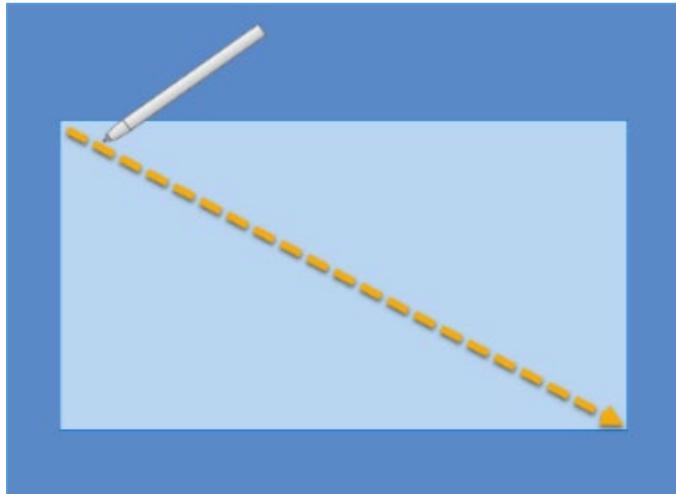
After configuring the GemView Tablet Display, you may test it as follows:

1. Move your mouse from the main display to the tablet display; it should track properly.
2. Move a window from the main display to the tablet display; it should appear normally and respond to mouse interactions.



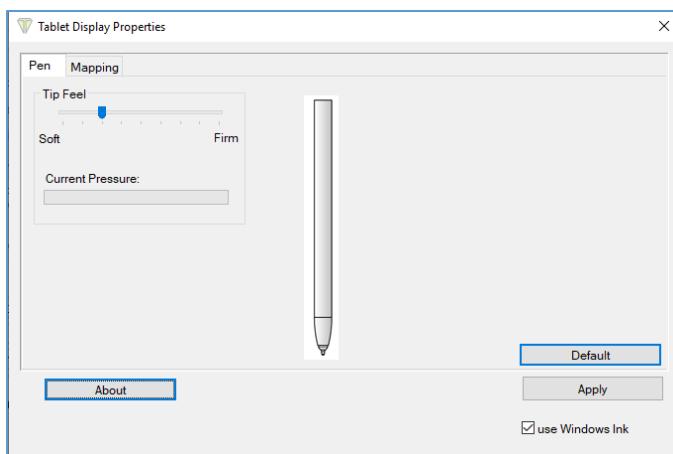
Test Tablet Display for Pen Input

Test that the Gemview Display Manager and DisplayLink drivers are installed correctly. Use the GemView pen and draw a diagonal line on the GemView; this should create a rectangle if properly configured.



If you see the rectangle, you can skip below; otherwise continue to step 1 to configure your GemView Tablet Display for pen input:

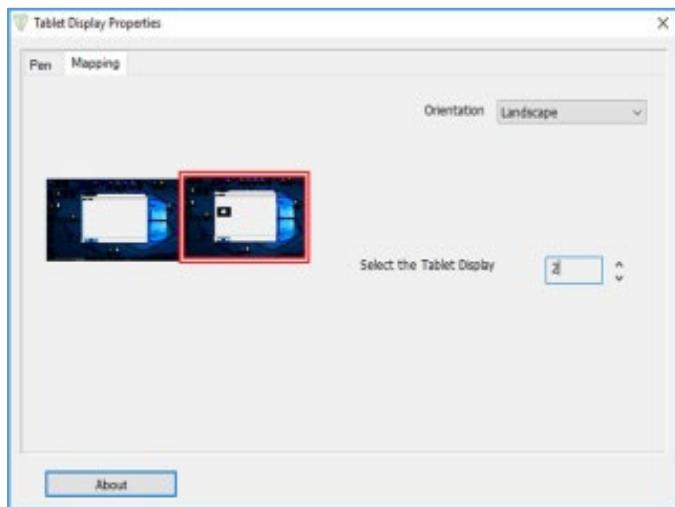
1. In the Tablet Display Properties window, notice that the “Pen” tab is selected. Write on the GemView Tablet Display with the pen and the current pressure will show as a green bar. The default “Tip Feel” setting is recommended for standard use. If using Windows 10 version 1709 or 1803, or Windows Server, and you have issues with the pen not signing properly or stopping inking, you may solve these by unchecking the “use Windows Ink” box.





2. If the cursor doesn't appear on the GemView Tablet Display when you touch the pen to the GemView, open the GemView Tablet Display manager and click the "Mapping" tab to display the screen below. Select the number of the tablet display from the drop-down list. Select "Landscape" or "Portrait" for the orientation of the tablet display. It should be the same orientation selected in the Windows display screen.

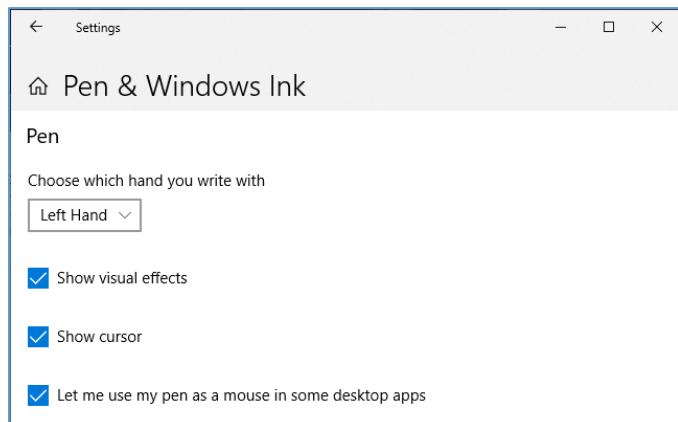
Please note: These settings are independent settings and not synced with the Windows Display Settings. Monitor order number may be different from what is displayed in Windows Display Settings. These settings may need to be updated when adding or removing monitors.



3. Click the "About" button to display versions of the software driver and the hardware.

Windows Pen and Ink Settings

If using Windows 10 version 1809 or newer, ensure that "Let me use my pen as a mouse in some desktop apps" is checked in Windows Settings → Pen & Windows Ink.





Touch Screen Settings Using TD-LBK101VT-USB-R

For touch screen set-up, see the section titled “GemView 10 Touch Tablet Display Set-Up” in the GemView 10 User Guide: www.topazsystems.com/products/specs/GemView10_Guide.pdf. Users will require access to the Windows Tablet PC Settings in order to assign which Windows screen is touch-enabled.

Recommended Windows Client Settings

Task Bar Settings

1. Multiple Displays - **Disable** “Show taskbar on all displays”. This disables the display of the task bar on the GemView and provides full screen capability.

Display Settings

1. Scale and Layout – use recommended scaling.
2. Display Resolutions – All monitors, including GemView, should be set for optimal resolution.

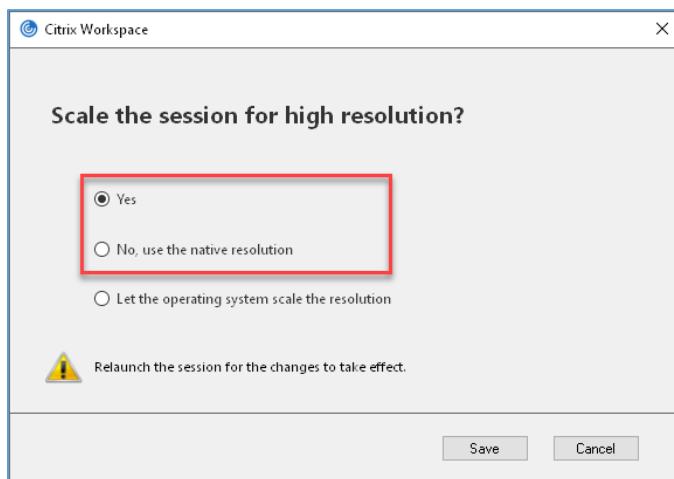
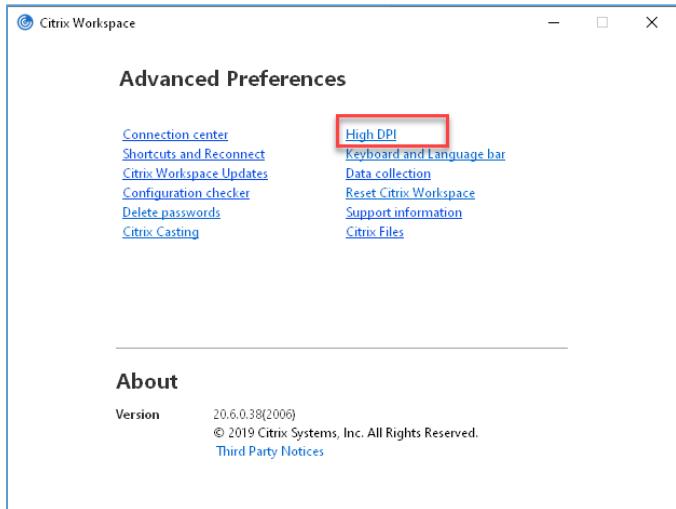
Citrix/VMware

GemView is supported in Citrix Workspace Published Apps/Desktops, XenApp and XenDesktop and Vmware Horizon 8.

The GemView devices should not be redirected to the server and it is recommended to configure to deny their redirection using the VID and PID in policy (see section in this guide “GemView Device VID/PID” for values).



For Citrix: If using High DPI or a high-resolution display, you may need to select the High DPI setting in the Advanced Preferences to change from the default setting.



Silent Installation Instructions

SigPlus and SigToolEHDGV Silent Installation

Instructions and optional settings are included in the SigToolEHDGV_SigPlus_MSI.zip file. Contact epic_support@topazsystems.com if you have any questions.



DisplayLink Silent Installation

Use the command “-silent”. For more information, visit:

<https://support.displaylink.com/knowledgebase/articles/544789-installation-switchesfor-installing-displaylink-s>.

GemView Display Manager Silent Installation

1. Silent install: Gemview.exe /s –sps
2. For silent uninstall, please run \Windows\rmtablet.exe KNLH
3. Must reboot client system before reinstalling

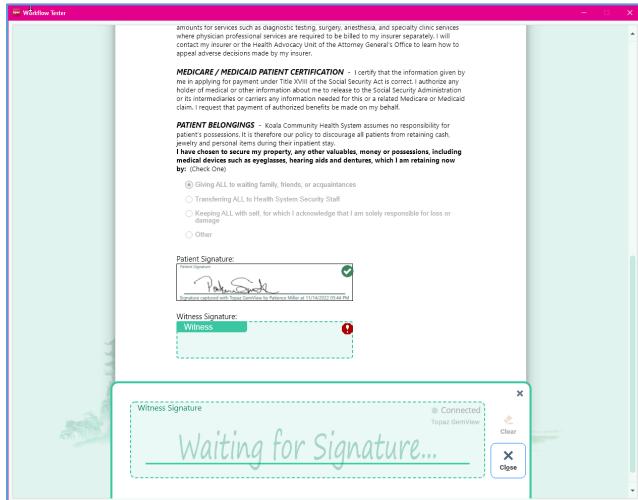
SigToolEHDGV Example Workflow

SigPlus and SigToolEHDGV Silent Installation

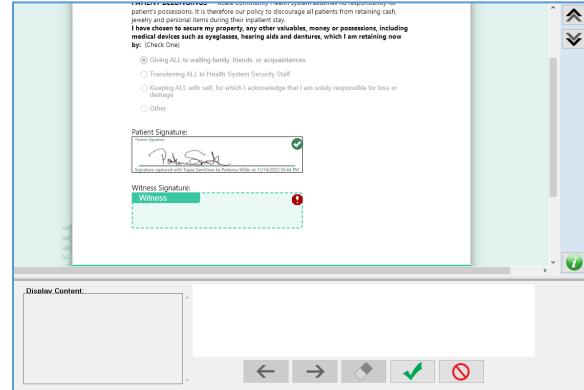
A full-size window of the document is programmatically pushed onto the GemView Tablet Display to show the document and allow patient to sign, navigate, and accept the signature, while still presenting the operator with the application view. See the screenshots below:

Epic Display window (operator view – 1st signature)

Gemview Display (patient view – 1st signature)



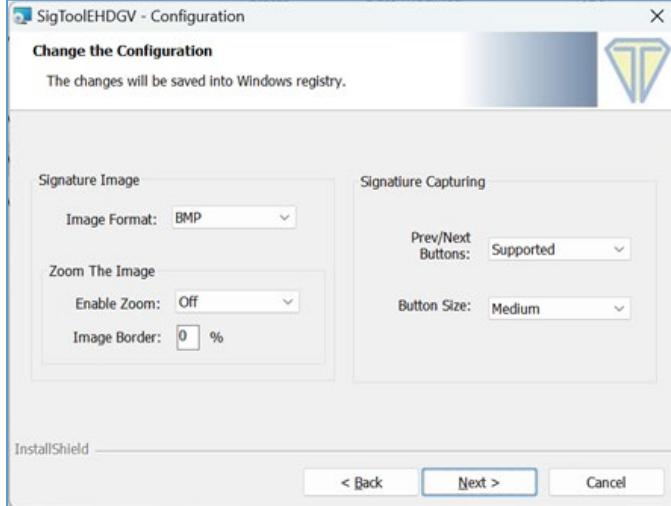
Epic Display window (operator view – 2nd signature)



Gemview Display (patient view – 2nd signature)

NOTE: The images shown in this example are captured from the Epic Hyperdrive test harness and may not represent the document content seen in a live Epic Installation.

SigToolEHDGV Optional Settings



Signature Image

Image Format:

Defines the image format of the ImageEncoding
 BMP – 8-bit gray-scale BMP format. This is the default value.
 JPG – The JPEG format.

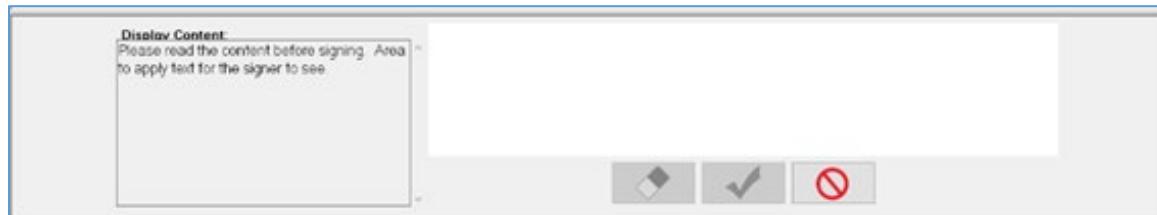


Zoom The Image:

Enables/Disables the Signature Image Border setting. Default value is *Off*.

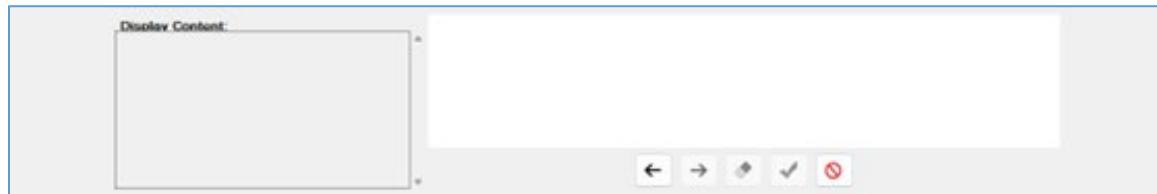
Signature Capturing:

Selects whether *Prev* and *Next* buttons are available in the GemView signing area. Its default value is *true*. The image below shows the non-default settings with *Prev* and *Next* buttons not available.



Button Size:

Defines the signature capturing button size. Default value is *Medium*.



Small Button Size



Medium Button Size



Large Button Size