Using SYNOPSYS[™] with large DPI displays

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Overview

- SYNOPSYS[™] software assumes that you have either a 96 or 120 dpi monitor
- The new user interface menus are optimized for an HD 1920x1080 screen
- Many new monitors have 4K or higher numbers of pixels
- When running SYNOPSYS[™] in default mode, the icons can be too small to easily read and dialog boxes can end up mis-scaled
- The settings shown in this document will override the system settings so that SYNOPSYS[™] screens are easily readable
- Works for either Windows 10 or 11

SYNOPSYS200UPv2.EXE with high DPI display

- Do you see something like this when you start SYNOPSYS200UPv2.EXE?
- With very tiny icons?
- This is due to a high DPI display
- This behavior can be overridden in Windows settings

🕺 SYNOPSYS for Windows

For Help, press F1

File Workspace View System Settings Lens Data and Viewer Image Analysis Optimization + Design Search Prototype Readiness Tools + Libraries Classic Menus Graphics Help



SYNOPSYS200UPv2.EXE with high DPI display

- Are menu options missing in your dialog boxes?
- This is due to a high DPI display
- This behavior can be overridden in Windows settings

20) Drawings		_	×
2D	ens Drawing 2D Lens Element Drawing	ng 20 ISO Lens Drawing		
	Include Budge	et Tolerance Analysis Data (USE BTOL)		
	Drawing Options:	5.		
	Basic Drav	wing (DWG)		
	○ Drawing <mark>v</mark>	Ann Spec (DSPEC)		
	Scale Facto	(TSCF): 0 To show only the lens, without rays, enter a negative scale factor.		
	0			
	Switches			
	Switch 20	Dummy surfaces not shown on DWG, PER, or SOLID drawings unless assigned a CAO		
	Switch 37	Force sequential raytrace (for roof prisms; exception: BTOL)		
	Switch 39	Use the EFILE to control drawing of lens edges in PER, DWG, ELD, PAD, and RPER		
	Switch 63	Default DWG always shows the image; otherwise it is not shown if BACK exceeds TOTL		
	Switch 65	DWG and PAD trace nominal pupil; otherwise adjusts for no vignetting if VIG mode is on.		

SYNOPSYS200UPv2.EXE: Assumed settings

- Go to "Settings"
- Click on "Display"
- SYNOPSYS200UPv2.EXE is optimized for these display settings
- But if you set your system to this, then everything is using these settings

Settings	-	×
命 Home	Display	
Find a setting ρ	Night light	
System	Off Night light settings	
🖵 Display	Windows HD Color	
다)) Sound	Get a brighter and more vibrant picture for videos, games and apps that	
Notifications & actions	support HDR. Windows HD Color settings	
J Focus assist		
O Power & sleep	Scale and layout	
Battery	Change the size of text, apps, and other items 100% V	
📼 Storage	Advanced scaling settings	
- Tablet	Display resolution	
☐i Multitasking	1920 × 1080 (Recommended)	
Projecting to this PC	Landscape V	
X Shared experiences	Rotation lock	
🛱 Clipboard	On	
	Multiple displays	

Display setting if you have a high DPI monitor

System > Display

- If you want to keep using your high DPI settings for everything but SYNOPSYS[™]
- Go to "Settings"
- Click on "Display"
- Keep the settings on "Recommended" values
- All you need to do is override the display behavior for SYNOPSYS200UPv2.EXE

Scale & layout Scale Change the size of text, apps, and other items Some apps won't respond to scaling changes until you 63 close and reopen them. >300% (Recommended) ~ **Display resolution** Adjust the resolution to fit your connected display $\{\Box\}$ 3456 \times 2160 (Recommended) \vee E S **Display orientation** Landscape \sim Multiple displays ൧ \sim Choose the presentation mode for your displays

Set SYNOPSYS200UPv2.EXE properties

- In "File Explorer"
- Find the "SYNOPSYS200UPv2.EXE" icon
- Right click on it
- Choose "Properties"
- Click on "Compatibility" tab
- Click on "Change high DPI settings"

SYNOPSYS200U	IPv2 Properties		×			
Security General	Details Shortcut	Previous Versions Compatibility				
If this program isn't working correctly on this version of Windows, try running the compatibility troubleshooter. Run compatibility troubleshooter <u>How do I choose compatibility settings manually?</u>						
Windows 8	e ram in compatibility mod	e for: V				
Reduced colo 8-bit (256) color Run in 640 x Disable fullscr						
Run this program as an administrator Register this program for restart Change high DPI settings						
Change sett	OK	Cancel Apoly				

SYNOPSYS200UPv2.EXE High DPI settings

- In the "Change high DPI settings" dialog:
- Near bottom under "High DPI scaling override"
- Click on "Override high DPI scaling behavior"
- Choose "System (Enhanced)" or "System"
- Click on "OK"
- Then click on "Apply" when back to previous dialog
- Override should now be set

High DPI settings for SYNOPSYS200UPv2_testzmximp... imes

Choose the high DPI settings for this program.

Program DPI

Use this setting to fix scaling problems for this program instead of the one in Settings <u>Open Advanced scaling settings</u>

A program might look blurry if the DPI for your main display changes after you sign in to Windows. Windows can try to fix this scaling problem for this program by using the DPI that's set for your main display when you open this program.

Use the DPI that's set for my main display when

I signed in to Windows

OK

Cancel

Open SYNOPSYS200UPv2.EXE

- You should now see normal sized icons
- And all dialog menus should have all options present

