

BenQ PD2706QN LCD Crystal Display Instructions

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Adjusting the screen resolution

Due to the nature of liquid crystal display (LCD) technology, the picture resolution is always fixed. For the best display performance, please set the display to its maximum resolution that is the same with the monitor aspect ratio. This is called “Native Resolution” or maximal resolution – that is, the clearest picture. Lower resolutions are displayed on a full screen through an interpolation circuit. Image blurring across pixel boundaries can occur with the interpolated resolution depending upon the image type and its initial resolution.



To find out the monitor aspect ratio and native resolution of the purchased model, please check the Specification on the website.



- To take full advantage of LCD technology you should select the native resolution setting of your PC screen as described below. Be aware that not all PC video cards provide this resolution value. If yours doesn't, check with the video card manufacturer's website for an updated driver for your particular model PC video card which supports this resolution. Software video drivers are often updated and available for new hardware video resolutions. If necessary, you may need to replace and update the PC video card hardware to be able to support the native resolution of the monitor.
- Depending on the operating system on your PC, different procedures should be followed to adjust the screen resolution. Refer to the help document of your operating system for details.

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1. Open **Display Properties** and select the **Settings** tab.

You can open **Display Properties** by right-clicking on the Windows desktop and selecting **Properties** from the pop-up menu.

2. Use the slider in the 'Screen area' section to adjust the screen resolution.

Select the recommended resolution (maximum resolution) then click **Apply**.



If you select some other resolution, be aware that this other resolution is interpolated and may not accurately display the screen image as well as it could do at the native resolution setting.

3. Click **OK** then **Yes**.

4. Close the **Display Properties** window.

If your input source does not provide an image which is the same with the monitor aspect ratio, the displayed image may appear stretched or distorted. To maintain the original aspect ratio, image scaling options can be found in the "Display Mode" adjustment. See the user manual for more information.

Adjusting the screen refresh rate

You don't have to choose the highest possible refresh rate on an LCD display, because it is not technically possible for an LCD display to flicker. The best results are obtained by using the factory modes already set in your computer.



Depending on the operating system on your PC, different procedures should be followed to adjust the screen resolution. Refer to the help document of your operating system for details.

1. Double click the **Display** icon in **Control Panel**.
2. From the **Display Properties** window, select the **Settings** tab and click the **Advanced** button.
3. Select the **Adapter** tab, and select an appropriate refresh rate to match one of the applicable factory modes as listed in the specification table.
4. Click **Change**, **OK**, then **Yes**.
5. Close the **Display Properties** window.

Preset display modes

Timing Support				
PC/Video Signal Support		Input		
Resolution	Frame Frequency	DisplayPort 1.4	HDMI 2.0	USB-C™
640×480	60	V	V	V
640×480	75	V	V	V
720×400	70	V	V	V
720×480	60	V	V	V
720×576	50	V	V	V
800×600	60	V	V	V
800×600	75	V	V	V
832×624	75	V	V	V
1024×768	60	V	V	V
1024×768	75	V	V	V
1152×870	75	V	V	V
1280×720	50	V	V	V
1280×720	60	V	V	V
1280×800	60	V	V	V
1280×1024	60	V	V	V
1280×1024	75	V	V	V
1600×900	60	V	V	V
1680×1050	60	V	V	V
1920×1080	24	V	V	V
1920×1080	25	V	V	V
1920×1080	30	V	V	V
1920×1080	50	V	V	V
1920×1080	60	V	V	V
1920×1080	100	V	V	V
2560×1440	60	V	V	V
2560×1440	100	V	V	V
3840×2160	24		V	
3840×2160	25		V	
3840×2160	30		V	
3840×2160	50		V	

3840×2160	60		V	
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PD3226G

Timing Support							
PC/Video Signal Support		When PIP/PBP is disabled/The main screen in PIP mode		Evenly split screen in PB P mode (1920×2160)		The sub screen in PIP mode	
Resolution	Frame Frequency	Input		Input		Input	
		DisplayPort 1.4 / Thunderbolt	HDMI 2.1	DisplayPort 1.4 / Thunderbolt	HDMI 2.1	DisplayPort 1.4 / Thunderbolt	HDMI 2.1
640×480	60	V	V	V	V	V	V
640×480	75	V	V	V	V	V	V
720×400	70	V	V	V	V	V	V
720×480	60	V	V	V	V	V	V
720×576	50	V	V	V	V	V	V
800×600	60	V	V	V	V	V	V
800×600	75	V	V	V	V	V	V
832×624	75	V	V	V	V	V	V
1024×768	60	V	V	V	V	V	V
1024×768	75	V	V	V	V	V	V
1024×768	120	V	V	V	V	V	V
1152×870	75	V	V	V	V	V	V
1280×720	50	V	V	V	V	V	V
1280×720	60	V	V	V	V	V	V
1280×720	144					V	V

1280 ×800	60	V	V	V	V		
1280 ×102 4	60	V	V	V	V		
1280 ×102 4	75	V	V	V	V		
1280 ×102 4	120	V	V	V	V		
1600 ×900	60	V	V	V	V	V	V
1680 ×105 0	60	V	V	V	V		
1920 ×108 0	24	V	V	V	V		
1920 ×108 0	25	V	V	V	V		
1920 ×108 0	30	V	V	V	V		
1920 ×108 0	50	V	V	V	V		
1920 ×108 0	60	V	V	V	V		
1920 ×108 0	100	V	V	V	V		
1920 ×108 0	120	V	V	V	V		
1920 ×216 0	60			V	V		
1920 ×216 0	120			V	V		
1920 ×216 0	144			V	V		

2560 ×144 0	60	V					
2560 ×144 0	120	V	V				
2560 ×144 0	144	V	V				
3840 ×216 0	24	V	V				
3840 ×216 0	25	V	V				
3840 ×216 0	30	V	V				
3840 ×216 0	50	V	V				
3840 ×216 0	60	V	V				
3840 ×216 0	100	V	V				
3840 ×216 0	120	V	V				
3840 ×216 0	144	V	V				

PD2730S

Timing Support							
PC/Video Signal Support		When PIP/PBP is disabled/The main screen in PIP mode		Evenly split screen in PBP mode (2560×2880)		The sub screen in PIP mode	
Resolution	Frame Frequency	Input		Input		Input	
		DisplayPort 1.4 / Thunderbolt	HDMI 2.1	DisplayPort 1.4 / Thunderbolt	HDMI 2.1	DisplayPort 1.4 / Thunderbolt	HDMI 2.1
640×480	60	V	V	V	V	V	V

640× 480	75	V	V	V	V	V	V
720× 400	70	V	V	V	V	V	V
720× 480	60	V	V	V	V	V	V
720× 576	50	V	V	V	V	V	V
800× 600	60	V	V	V	V	V	V
800× 600	75	V	V	V	V	V	V
832× 624	75	V	V	V	V	V	V
1024 ×768	60	V	V	V	V	V	V
1024 ×768	75	V	V	V	V	V	V
1152 ×870	75	V	V	V	V	V	V
1280 ×720	50	V	V	V	V	V	V
1280 ×720	60	V	V	V	V	V	V
1280 ×800	60	V	V	V	V		
1280 ×102 4	60	V	V	V	V		
1280 ×102 4	75	V	V	V	V		
1600 ×900	60	V	V	V	V	V	V
1680 ×105 0	60	V	V	V	V		
1920 ×108 0	24	V	V	V	V		
1920 ×108 0	25	V	V	V	V		

1920 ×1080	30	V	V	V	V		
1920 ×1080	50	V	V	V	V		
1920 ×1080	60	V	V	V	V		
2560 ×1440	60	V	V	V	V		
2560 ×2880	60			V	V		
3840 ×2160	24	V	V				
3840 ×2160	25	V	V				
3840 ×2160	30	V	V				
3840 ×2160	50	V	V				
3840 ×2160	60	V	V				
5120 ×2880	60	V	V				



- To obtain the best image quality, refer to the above table to set the timing and the resolution of the input source.
 - To make sure the above timing works, check the compatibility and specifications of your graphic card first.
 - The timing needs to work with the specified input ports. Available input ports and signals vary by model.
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Video input

Color space	YCbCr 4:2:2					
Max. bit	8 bit			10 bit		
Frame frequency	24, 25, 30	50, 60	100	24, 25, 30	50, 60	100
HDMI	v	v	v	v	v	v
DisplayPort	v	v	v	v	v	v
USB-C™ (DP Alt mode)	v	v	v	v	v	v

Color space	YCbCr 4:2:0					
Max. bit	8 bit		10 bit		12 bit	
Frame frequency	24, 25, 30	50, 60	24, 25, 30	50, 60	24, 25, 30	50, 60
HDMI		v ⁽¹⁾		v ⁽¹⁾		v ⁽¹⁾
DisplayPort						
USB-C™ (DP Alt mode)						

Color space	YCbCr 4:4:4 / RGB 4:4:4					
Max. bit	8 bit			10 bit		
Frame frequency	24, 25, 30	50, 60	100	24, 25, 30	50, 60	100
HDMI	v	v	v	v	v	v
DisplayPort	v	v	v	v	v	v
USB-C™ (DP Alt mode)	v	v	v	v	v	v

Color space	YCbCr 4:2:2							
Max. bit	8 bit				10 bit			
Frame frequency	24, 25, 30	50, 60	100	120, 144	24, 25, 30	50, 60	100	120, 144
HDMI	v	v	v	v	v	v	v	v
DisplayPort	v	v	v	v	v	v	v	v
Thunderbolt™ 4	v	v	v	v	v	v	v	v

Color space	YCbCr 4:2:0								
Max. bit	8 bit			10 bit			12 bit		
Frame frequency	24, 25, 30	50, 60	100,120	24, 25, 30	50, 60	100,120	24, 25, 30	50, 60	100,120
HDMI		v ⁽¹⁾	v ⁽¹⁾		v ⁽¹⁾	v ⁽¹⁾		v ⁽¹⁾	v ⁽¹⁾
DisplayPort									
Thunderbolt™ 4									

Color space	YCbCr 4:4:4 / RGB 4:4:4							
Max. bit	8 bit				10 bit			
Frame frequency	24, 25, 30	50, 60	100	120, 144	24, 25, 30	50, 60	100	120, 144
HDMI	v	v	v	v	v	v	v	v
DisplayPort	v	v	v	v	v	v	v	v
Thunderbolt™ 4	v	v	v	v	v	v	v	v

PD2730S

Color space	YCbCr 4:2:2			
Max. bit	8 bit		10 bit	
Frame frequency	24, 25, 30	50, 60	24, 25, 30	50, 60
HDMI	v	v	v	v
DisplayPort	v	v	v	v
Thunderbolt™ 4	v	v	v	v

Color space	YCbCr 4:4:4 / RGB 4:4:4			
Max. bit	8 bit		10 bit	
Frame frequency	24, 25, 30	50, 60	24, 25, 30	50, 60
HDMI	v	v	v	v
DisplayPort	v	v	v	v
Thunderbolt™ 4	v	v	v	v

Color space	YCbCr 4:2:0					
Max. bit	8 bit		10 bit		12 bit	
Frame frequency	24, 25, 30	50, 60	24, 25, 30	50, 60	24, 25, 30	50, 60
HDMI		v ⁽¹⁾		v ⁽¹⁾		v ⁽¹⁾
DisplayPort						
Thunderbolt™ 4						



⁽¹⁾: Supports the resolution 3840 x 2160 only.

2024/11/29
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Documents / Resources

	BenQ PD2706QN LCD Crystal Display [pdf] Instructions PD2706QN, PD2706QN LCD Crystal Display, LCD Crystal Display, Crystal Display, Display
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References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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