

MPG Series

OLED Monitor

MPG 271QR QD-OLED X50 (3CF4)

User Guide

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Revision

V1.0, 2025/08

Getting Started

This chapter provides you with the information on hardware setup procedures. While connecting devices, be careful in holding the devices and use a grounded wrist strap to avoid static electricity.

Package Contents

Monitor	MPG 271QR QD-OLED X50		
Documentation	Quick Start Guide		
Accessories	Stand		
	Stand Base with Screw(s)		
	Screw(s) for Wall Mount Bracket(s)		
	Power Cord		
Cables	USB Upstream Cable (for USB Type-B Upstream Port)		
	DisplayPort Cable (Optional)		
	Ultra High Speed HDMI™ Cable (Optional)		

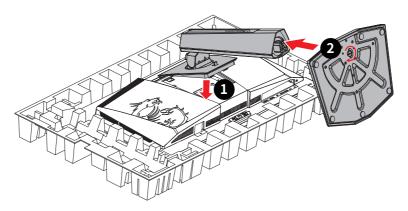


/ Important

- Contact your place of purchase or local distributor if any of the items is damaged or missing.
- Package contents may vary by country and model.
- The included power cord is exclusively for this monitor and should not be used with other products.

Installing the Monitor Stand

- 1. Leave the monitor in its protective packaging. Align the stand to the monitor groove. Push the stand towards the monitor groove until it locks in place.
- 2. Connect the base to the stand and tighten the base screw to secure the base.
- 3. Make sure the stand assembly is properly installed before setting the monitor upright.





// Important

- Place the monitor on a soft, protected surface to avoid scratching the display panel.
- Do not use any sharp objects on the panel.
- The groove for installing the stand bracket can also be used for wall mount. Please contact your dealer for proper wall mount kit.

Adjusting the Monitor

This monitor is designed to maximize your viewing comfort with its adjustment capabilities.

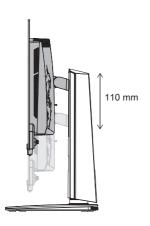


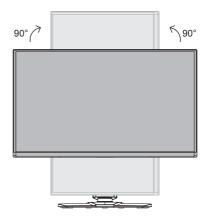
Important

- Avoid touching the display panel when adjusting the monitor.
- Please slightly tilt the monitor backwards before pivoting it.

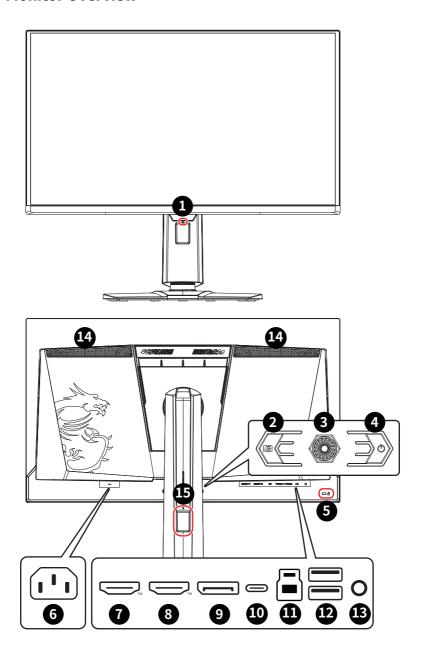








Monitor Overview



Power LED

Lit in white after the monitor is turned on. If no signal input, the LED will turn into orange. Lit in orange when the monitor is in Stand-by mode.

Macro Key

To activate the MSI Gaming Intelligence Application.

3 Navi Key

4 Power Button

5 Kensington Lock

6 Power Jack

The Homi™ Connector Homi™

Supports HDMI[™] CEC, 2560x1440@500Hz as specified in HDMI[™] 2.1.

Important

To ensure optimal performance and compatibility, please use only HDMI™ cables certified with the official HDMI™ logo when connecting this monitor. For more information, please visit https://www.hdmi.org/resource/cables.

8 HDMI™ Connector H□ IIII

Supports 2560x1440@500Hz as specified in HDMI[™] 2.1.



Important

To ensure optimal performance and compatibility, please use only HDMI™ cables certified with the official HDMI™ logo when connecting this monitor. For more information, please visit https://www.hdmi.org/resource/cables.

9 DisplayPort
Supports 2560x1440@500Hz as specified in DisplayPort 2.1a (UHBR20).

USB 2.0 Type-C Port

This port supports DisplayPort Alternate (DP Alt) Mode and up to 20V/4.9A (98W) power delivery.



Important

Your USB-C signal source and cable must support DisplayPort Alternate Mode to enable video output to the monitor.

USB Type-C Power Delivery 5V / 3A (15W) 9V / 3A (27W) 12V / 3A (36W) 15V / 3A (45W) 20V / 4.9A (98W)



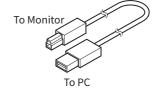
USB 3.2 Gen 1 Type-B Upstream Port

For USB Upstream Cable.



Important

Check the package for USB Upstream Cable and connect it to the PC and monitor. Once this cable is connected, the USB Type-A Downstream Ports on the monitor will be ready for use.



- 12
- USB 3.2 Gen 1 Type-A Port
- 13
- **Headphone Jack**
- 14

Air Vents

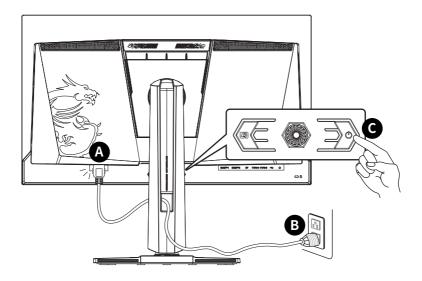
The air vents on the enclosure allow for proper airflow and help prevent overheating. Do not block the vents. Remove the protective film before use.

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Cable Routing Hole

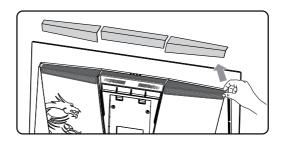
Connecting the Monitor to PC

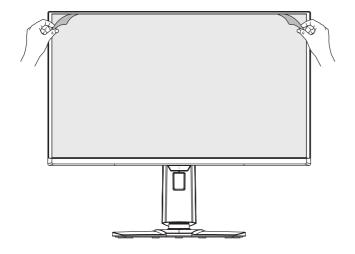
- 1. Turn off your computer.
- 2. Connect the video cable from the monitor to your computer.
- 3. Connect the power cord to the monitor power jack. (Figure A)
- 4. Plug the power cord into the electrical outlet. (Figure B)
- 5. Turn on the monitor. (Figure C)
- 6. Power on the computer and the monitor will auto detect the signal source.





Please remove the protective films from the display panel and air vents before use to optimize performance and prevent overheating.





OSD Setup

This chapter provides you with essential information on OSD Setup.

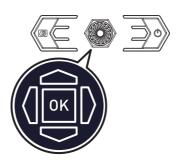


Important

All information is subject to change without prior notice.

Navi Key

The monitor comes with a Navi Key, a multi-directional control that helps navigate the On-Screen Display (OSD) menu.



Up/Down/Left/Right:

- selecting function menus and items
- adjusting function values
- entering into/exiting from function menus

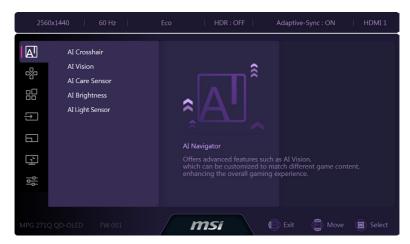
Press (OK):

- launching the On-Screen Display (OSD)
- · entering submenus
- · confirming a selection or setting

Hot Key

- Users may enter into preset function menus by moving the Navi Key up, down, left or right when the OSD menu is inactive.
- Users may customize their own Hot Keys to enter into different function menus.

OSD Menus





Important

The following settings will be grayed out when HDR signals are received:

- Low Blue Light
- Brightness
- Contrast
- Color Temperature
- Optix Scope
- PIP/PBP
- Al Vision

- Adaptive DIM
- AI Brightness
- Al Light Sensor
- Black-White, sRGB, Adobe RGB, Display P3 Mode
- Six-Axis Color
- Gamma

Al Navigator

Feature	Available Se	ttings	Description
Al Crosshair	OFF ON Icon	[+] -!- *** (*) ***	Through AI algorithm, this function enhances the visibility of in-game crosshair. Users can select the color, size and position of the crosshair.
	Icon Colors	Adaptive Customize R (0-255) G (0-255) B (0-255) x0.5	
	Position	x1.0 x1.5	
Al Vision	OFF Level 1 Level 2 Level 3	et	Al Vision enhances image quality by optimizing the contrast of images and background brightness.

Feature	Available Settings			Description
Al Care Sensor	OFF			This feature enables Al-based human detection
	ON			features.
	Active	System Mode		When set to System Mode, WoA, LoL, and
	Mode	Monitor	Mode	Adaptive DIM are controlled via the Microsoft Windows® operating system.
				When set to Monitor Mode, WoA, LoL, and Adaptive DIM are controlled via the monitor's OSD menu.
	WoA	OFF		WoA (Wake on Approach) is grayed out when Active Mode is set to System Mode.
		ON		When WoA is set to ON, the monitor automatically wakes upon detecting a nearby user.
		Timer	0-30	Users can set a timer from 0 to 30 seconds.
		Setting		Setting to 0 activates the function immediately.
	LoL	OFF		LoL (Lock on Leave) is grayed out when Active Mode is set to System Mode.
		ON		When LoL is set to ON, the monitor automatically locks upon detecting that the user has left.
		Timer Setting	10- 120	Users can set a timer from 10 to 120 seconds.
	Adaptive DIM	OFF		Adaptive DIM is grayed out when Active Mode is set to System Mode.
		ON		When Adaptive DIM is set to ON, the monitor automatically dims the screen when it detects that the user has looked away.
AI Brightness	OFF			Through the internal Light Sensor and AI
	Auto			(Artificial Intelligence) algorithm, this function detects the ambient light and automatically
	Customize	0-100		sets the monitor to optimal brightness for users.
				Customize allows users to adjust the auto brightness curve.
Al Light Sensor	OFF			Through the internal RGB Sensor and AI
	ON			algorithm, this function detects the ambient color temperature and presents the best light effects synced to the environment.
				Activating AI Light Sensor will affect:
				Affected Function Function Status
				» Low Blue Light » Contrast » Color Temperature Unable to select
				» sRGB, Adobe RGB, Display P3 Mode

Gaming Features

Feature	Available Settings		De	escription	
KVM	Туре В	HDMI™ 1	•	The KVM function allow	
	multiple devices, such	multiple devices, such a or console, using a sing			
		DP		mouse connected to the	e monitor's USB ports.
		Type C	•	Only one USB control patime — choose either U	
	Type C	HDMI™1			, , , , , , , , , , , , , , , , , , ,
		HDMI™ 2			
		DP			
		Type C			
MPRT	OFF ON		•	MPRT is only available a with a refresh rate of 24 500Hz.	
				Activating MPRT will aff	ect:
				Affected Function	Function Status
				» Adaptive-Sync	Set to OFF
Optix Scope	OFF ON		The center point will zoom in when Optix Scope is enabled. Al Crosshair and Optix Scope can be enabled at the same time.		
	Scope x1.5				
	Ratio	x2		Activating Optix Scope	will affect:
		x2.5		Affected Function	Function Status
		х3		» Adaptive-Sync » PIP/PBP	Set to OFF
DisplayHDR	True Black 5	00	•	The DisplayHDR function enhances visuals with	
	Peak 1000 ni	ts		customizable settings for and contrast.	or optimized brightness
	EOTF Boost				
DSC	OFF		•	Users can toggle DSC (D	isplay Stream
	ON		Compression) on/off.	[
			•	Preset Display Modes fo tables.	formation, please check or DSC On/Off timing
			•	Activating DSC will affect	et:
				Affected Function	Function Status
				» PIP/PBP » Screen Size 16:10	Unable to select
HDMI™ 2.1	PC		•		rs broader compatibility
	Console	Console		with more console devices.	

Feature	Available S	ettings	Description
Adaptive-Sync	OFF ON		Adaptive-Sync prevents screen tearing. Activating Adaptive-Sync will affect:
			Affected Function Function Status
			» MPRT » Optix Scope Set to OFF » PIP/PBP
			» Screen Size 1:1/24.5" Set to Auto
Timer	OFF		After setting the time, press the OK Button to
	ON		activate the timer. • Users have to manually restore their
	Time	15:00	preset Timer after any AC power loss and
	Adjust	30:00	reconnection.
		45:00	
		60:00	
	Show On	Left Top	
		Right Top	
		Left Bottom	
		Right Bottom	
		Customize	
Refresh Rate	OFF		Location is adjustable in OSD Menu. Press the
	ON		OK Button to confirm and apply your Refresh Rate Location.
	Show On		This monitor follows and works at the
		Right Top	Operating System's preset Screen Refresh Rate.

Feature	Available Settings	Description		
Screen Size	Auto 4:3 (Forced)	Users can adjust Screen Si resolution and any screen Activating Screen Size 1:1/	een refresh rate.	
	16:9 (Forced)	Affected Function	Function Status	
	16:10	» Adaptive-Sync		
	1:1 (by pixel)	» PIP/PBP	Set to OFF	
	24.5" (by size)	» Optix Scope		
		Activating Screen Size 16:10 will affect:		
		Affected Function	Function Status	
		» HDMI™ 2.1	Unable to select	
		Important Screen Size 1:1 refers to at its original resolution disabled when the more resolution.	n. This option is	

Mode

Mode			
» Eco	» RPG		
» User	» Black-White		
» Premium Color	» sRGB		
» FPS	» Adobe RGB		
» Racing	» Display P3		
» RTS			

- Use Up or Down Button to select and preview mode effects.
- Press the OK Button to confirm and apply your mode type.
- The default setting "Eco" mode meets the requirements of TUV Rheinland's "Low Blue Light" standard.
- Activating sRGB, Adobe RGB, and Display P3 will affect:

Affected Function	Function Status
» Al Brightness	Set to OFF &
» Al Light Sensor	unable to select
» Contrast	
» Color Temperature - Customize	Unable to select
» Saturation	
» Six-Axis Color	

Feature	Available Settings	Description
		•
Brightness	0-100	Properly adjust Brightness according to the surrounding lighting.
Contrast	0-100	Properly adjust Contrast to relax your eyes.
Sharpness	0-5	Sharpness improves clarity and details of images.
Image Enhancement	OFF	Image Enhancement enhances image edges to improve
	Level 1	their acutance.
	Level 2	
	Level 3	
	Level 4	
	Level 5	
Color Temperature	5000K	This feature adjusts the overall color tone of the display.
	6500K	Users can fine-tune Color Temperature in Customize mode for precise color calibration.
	7500K	mode for precise color calibration.
	9300K	
	10000K	
	Customize	
	R (0-100)	
	G (0-100)	
	B (0-100)	

Feature	Available Settings	Description
Low Blue Light	OFF ON	Low Blue Light protects your eyes against blue light. When enabled, Low Blue Light adjusts the screen color temperature to a more yellow glow.
		This monitor is a Low Blue Light monitor which will decrease the blue light emitted without adjusting the OSD settings.
Saturation	0-100	Users can fine-tune the setting values to adjust display saturation.
Six-Axis Color	R (0-100)	This feature allows users to independently adjust the
	G (0-100)	intensity and saturation of six primary and secondary colors.
	B (0-100)	
	C (0-100)	
	M (0-100)	
	Y (0-100)	
Gamma	Native	This feature adjusts the midtone brightness of the
	1.8	display without affecting shadows and highlights. • A higher gamma darkens midtones, while a lower
	2.0	gamma brightens them.
	2.2	
	2.4	
	2.6	

Input Source

Feature	Available Settings	Description
HDMI™ 1		Users can choose their preferred input source.
HDMI™ 2		
DP		
Type C		
Type C PD Charge	OFF	This function enables users to charge their devices
	ON	through a USB Type-C connector.
Auto Scan	OFF	Users can use the Navi Key to select Input Source at
	ON	 below status: While "Auto Scan" is set to "OFF" with the monitor at power saving mode; While "No Signal" message box is shown on the monitor.

PIP/PBP

Feature	Available Se	ettings	De	scription			
PIP	OFF ON		PIP (Picture in Picture) allows users to simultaneously display multiple video sources on one screen. One program is displayed on				
	Sub Input	HDMI™ 1	the full screen at the same time as one or more other programs are displayed in inset windows.				
		HDMI™ 2	•	PBP (Picture by Picture)) is a similar feature that		
		DP		displays two input sour screen.	ces side-by-side on the		
		Type C	•	Display Swap allows us			
	Sub Size	Small	1	primary and secondary	•		
		Medium		If there is only one signa Swap and Audio Swap v			
		Large	1	Activating PIP/PBP will			
	Sub Ratio	Auto		Affected Function	Function Status		
		Full Screen		» DisplayHDR	Unable to select		
	Show On	Left Top		» DSC » HDMI™ 2.1	Unable to select		
		Right Top		» Adaptive-Sync	Set to OFF		
		Left Bottom		» Optix Scope	Set to OFF		
		Right Bottom	» HDMI™ CEC	Set to OFF &			
		Customize		» PBP Layout - Customize	unable to select		
	Display Swap		» PIP: Screen Size		Set to Auto &		
	Audio Swap			1:1/ 16:10/ 24.5" » PBP: Screen Size	unable to select		
PBP	OFF			. 5. 7 00. 00. 01.20			
	ON						
	PBP	1:1					
	Layout	3:1					
		Customize					
	Sub Input	HDMI™ 1					
		HDMI™ 2					
		DP					
		Type C					
	Display Swa)					
	Audio Swap						

MSI OLED Care

Feature	Available Settin	gs	Description		
Pixel Shift	Slow		Pixel Shift moves the pixels of your screen at		
	Normal		regular intervals to reduce the possibility of screen burn-in or image retention.		
	Fast				
Panel Protect			To maintain panel image quality, panel protect function will automatically activate when monitor using over 4 hours.		
			This protect function may take several minutes to complete.		
			The power indicator will blink orange color until process done.		
			During process executing, please do not unplug the power cord from monitor.		
			 During process executing, press power button again to cancel this function. 		
Panel Notice	Auto		When set to Auto, Panel Notice will pop up		
	Usage 24 hrs		when the panel exceeds 4 hours of cumulative usage.		
			When set to Usage 24 hrs, Panel Notice will pop up when the panel exceeds 24 hours of cumulative usage.		
			When Panel Protect is interrupted, Panel Notice will pop up upon next power-up.		
Static Screen	OFF		If Static Screen Detection is set to ON:		
Detection	ON		 When detecting static visuals over long periods of time, the monitor reduces brightness to prevent screen burn-in. 		
			 Once detecting moving visuals, the monitor restores its previous brightness setting. 		
	Starting in	50 Sec	Starting in detects the time a static image		
		100 Sec	remains on the screen.		
	Time required	120 Sec	Time required specifies the time for brightness reduction after detecting a static image for		
		240 Sec	50/100 seconds.		
			The brightness reduction level depends on the setting of Reducing Level.		
	Reducing Level	1-7	Users can select a level for brightness reduction.		
			Reducing effect depends on Brightness/ DisplayHDR setting.		

Feature	Available Settin	gs	Description
Multi Logo Detection	OFF ON		This function helps prevent image sticking phenomenon. When set to ON, brightness reduction of multi logo areas will kick in if logos are detected.
	Reducing Level	1-4	Users can select a level for brightness reduction.
			Reducing effect depends on Brightness/ DisplayHDR setting.
Taskbar Detection	OFF		This function helps prevent image sticking
	ON		phenomenon. When set to ON, brightness reduction of taskbar areas will kick in if taskbars are detected.
	Reducing Level	1-4	Users can select a level for brightness reduction.
			Reducing effect depends on Brightness/ DisplayHDR setting.
Boundary Detection	OFF		This function helps prevent image sticking phenomenon. When set to ON, brightness
	ON		reduction of boundary areas will kick in if boundaries, such as letters & pillars, are detected.
	Reducing Level	1-4	Users can select a level for brightness reduction.
			Reducing effect depends on Brightness/ DisplayHDR setting.
V-Split Detection	OFF		This function helps prevent image sticking
	ON		phenomenon. When set to ON, brightness reduction along vertical boundaries during multitasking or split-screen gaming will kick in.
	Reducing Level	1-4	Users can select a level for brightness reduction.
			Reducing effect depends on Brightness/ DisplayHDR setting.
Auto DIM Control	OFF		This function prevents image sticking by gradually dimming the screen. When set to ON,
	ON		it automatically reduces full-screen brightness when detecting static images.
	Starting Speed	Slow	Starting Speed defines how quickly Auto DIM Control detects a static image.
		Fast	Control detects a static image.
	Reducing Slow Fast Reducing Level 1-6		Users can specify the speed for brightness reduction.
			Users can coloct a level for brightness
			Users can select a level for brightness reduction. Reducing effect depends on Prightness /
			Reducing effect depends on Brightness/ DisplayHDR setting.
OLED Panel Info.			This field shows the information of MSI OLED Care.

General

Feature	Available Settin	gs	Description
Language	繁體中文		Users have to press the OK Button to
	English		confirm and apply the Language setting. • Language is an independent setting. Users'
	Français		own language setting will override the
	Deutsch		factory default. When users set Reset to Yes, Language will not be changed.
	Italiano		
	Español		
	한국어		
	日本語		
	Русский		
	Português		
	简体中文		
	Bahasa Indonesi	a	
	Türkçe		
	(More languages coming soon)		
Power LED	OFF		Users can toggle the Power LED on/off.
	ON		During the Panel Protect process, the power LED indicator will blink orange until the process is complete.
RGB LED	OFF		Users can turn the RGB LED on or off.
	MSI - Mystic Ligh	t	
	RGB Brightness		
OSD Menu	OSD Position	Adjust	This feature adjusts the location of the OSD
		Position Reset	menu on the screen for user convenience.
	OSD Rotate	0 Degree	This feature allows users to rotate the
		-90 Degree	OSD menu display to match the screen orientation.
		+90 Degree	
	OSD Transparency	0~5	Users can adjust OSD Transparency in any mode.
	OSD Time Out	5~30	Users can adjust OSD Time Out in any mode.
Ultra Low Power	OFF		This setting reduces power consumption
	ON		for more energy-efficient operation.

Feature	Available Settin	gs	Description		
HDMI™ CEC	OFF		HDMI™ CEC (Consumer Electronics Control) supports Sony PlayStation®, Nintendo® Switch™, Xbox Series X S consoles and various audio-visual devices that are CEC-capable. If HDMI™ CEC is set to ON: The monitor will automatically power on when the CEC device is turned on. The CEC device will enter power saving mode when the monitor is turned off. When Sony PlayStation®, Nintendo® Switch™, or Xbox Series X S console is connected, Mode will be automatically set to the default mode and can be adjusted to users' preferred mode later.		
Navi Key	Up Down Left Right	OFF	All Navi Key items can be adjusted via OSD		
		Brightness	Menus.		
		Mode			
		Input Source			
		Al Crosshair			
		Al Vision			
		Timer			
		Refresh Rate			
		PIP/PBP			
		Optix Scope			
		Info. On Screen			
Info. On Screen	OFF		The information of the monitor status will		
	ON		be shown on the right side of the screen.		
Service Info.	FW Version		View product service details, such as		
	Serial Number		firmware version and serial number, in this setting.		
Reset All	YES		Users can Reset and restore settings to		
	NO		original OSD Default in any mode.		

Specifications*

Monitor	MPG 271QR QD-OLED X50
Size	26.5 inch
Curvature	Flat
Panel Type	QD-OLED
Resolution	2560x1440 (WQHD)
Aspect Ratio	16:9
Brightness	Typical SDR: 300 nits
	Peak HDR: 1000 nits
Contrast Ratio	1500000:1
Refresh Rate (Maximum)	500Hz
Response Time	GTG: 0.03ms (Min.)
1/0	• 1 x Headphone Jack
	• 1 x DisplayPort
	• 2 x HDMI™ Connector
	• 1 x USB 2.0 Type-C Port
	• 1 x USB 3.2 Gen 1 Type-B Upstream Port
	• 2 x USB 3.2 Gen 1 Type-A Port
View Angles	178°(H), 178°(V)
DCI-P3** / sRGB	99%/ 138%
Surface Treatment	Anti-Reflection
Display Colors	1.07B, 10 bits
Monitor Power Options	100-240V~, 50/60Hz, 3.7A
Power Consumption	• Power On < 250W
(Typical)	• Standby < 0.5W
	• Power Off < 0.3W
Adjustment (Height)	0 ~ 110mm
Adjustment (Tilt)	-5° ~ 20°
Adjustment (Swivel)	-30° ~ 30°
Adjustment (Pivot)	-90° ~ 90°
Kensington Lock	Yes

Monitor		MPG 271QR QD-OLED X50		
VESA Mounting		• Plate Type: 100 x 100 mm		
		Screw Type: M4 x 10 mm		
		Thread Diameter: 4 mm		
		Thread Pitch: 0.7 mm		
		Thread Length: 10 mm		
Dimension (W x	H x D)	609.3 x 416.1 x 241.9 mm		
Weight	Net	8.4 kg		
	Gross	12.9 kg		
Operating Envir	onment	Temperature: 0°C to 40°C		
		Humidity: 20% to 90%, non-condensing		
		• Altitude: 0 ~ 5000m		
Storage Environ	ıment	Temperature: -20°C to 60°C		
		Humidity: 10% to 90%, non-condensing		

^{*} Some technical specifications of the device may be subject to change by the manufacturer. Please verify the specifications with the seller or the manufacturer's representative.

^{**} Based on CIE1976 test standards.

Preset Display Modes



Important

- All information is subject to change without prior notice.
- HDMI™ VRR (Variable Refresh Rate) synchronizes with Adaptive-Sync (ON/ OFF). For VRR ON/OFF status, please check Adaptive-Sync.
- To activate DSC-specific timing and frequency, ensure your graphics card supports DSC (Display Stream Compression).

HDMI™ 2.1 - PC

Grand and	Boot No.		НС	MI™	22	LIGD 6
Standard	Resolution		DSC On	DSC Off	DP	USB-C
VGA	640x480	@60Hz	V	V	٧	V
		@67Hz	V	V	٧	V
		@72Hz	V	V	٧	V
		@75Hz	V	V	٧	V
SVGA	800x600	@56Hz	V	V	٧	V
		@60Hz	V	V	٧	V
		@72Hz	V	V	٧	V
		@75Hz	V	V	٧	V
XGA	1024x768	@60Hz	V	V	٧	V
		@70Hz	V	V	٧	V
		@75Hz	V	V	٧	V
SXGA	1280x1024	@60Hz	V	V	٧	V
		@75Hz	V	V	٧	V
WXGA+	1440x900	@60Hz	V	V	V	V
WSXGA+	1680x1050	@60Hz	V	V	V	V
Full HD	1920x1080	@60Hz	V	V	٧	٧
QHD	2560x1440	@60Hz	V	V	٧	٧
		@120Hz	V	V	٧	٧
		@240Hz	V	V	٧	٧
		@360Hz	V	V	٧	V
		@480Hz	V		V	V
		@500Hz	V		V	V
Video Timing	480P		V	V	V	V
Resolution	576P		V	V	V	V
	720P		V	V	V	V
	1080P	@60Hz	V	V	٧	V
		@120Hz	V	V	٧	V
	2160P	@60Hz	V	V	٧	V
HDMI™ VRR			V	V		

HDMI[™] 2.1 - Console

			HD	MI™		
Standard	Resolution		DSC On	DSC Off	DP	USB-C
VGA	640x480	@60Hz	V	V	V	V
		@67Hz	V	V	V	V
		@72Hz	V	V	V	V
		@75Hz	V	V	V	V
SVGA	800x600	@56Hz	V	V	V	V
		@60Hz	V	V	V	V
		@72Hz	V	V	V	V
		@75Hz	V	V	V	V
XGA	1024x768	@60Hz	V	V	V	V
		@70Hz	V	V	V	V
		@75Hz	V	V	V	V
SXGA	1280x1024	@60Hz	V	V	V	V
		@75Hz	V	V	V	V
WXGA+	1440x900	@60Hz	V	V	V	V
WSXGA+	1680x1050	@60Hz	V	V	V	V
Full HD	1920x1080	@60Hz	V	V	V	V
QHD	2560x1440	@60Hz	٧	V	V	V
		@120Hz	V	V	V	V
		@240Hz	V	V	V	V
		@360Hz	V	V	V	V
		@480Hz	V		V	V
		@500Hz	V		V	V
Video Timing	480P		V	V	V	V
Resolution	576P		V	V	V	V
	720P		V	V	V	V
	1080P	@60Hz	V	V	V	V
		@120Hz	V	V	V	V
	2160P	@30Hz	V	V		
		@60Hz	V	V	V	V
		@120Hz	V	V		
HDMI™ VRR			V	V		

PIP Mode (Not Support HDR)

Standard	Resolution		HDMI™	DP	USB-C
VGA	640x480	@60Hz	V	V	V
		@67Hz	V	V	V
		@72Hz	V	V	V
		@75Hz	V	V	V
SVGA	800x600	@56Hz	V	V	V
		@60Hz	V	V	V
		@72Hz	V	V	V
		@75Hz	V	V	V
XGA	1024x768	@60Hz	V	V	V
		@70Hz	٧	٧	٧
		@75Hz	٧	٧	٧
SXGA	1280x1024	@60Hz	٧	٧	٧
		@75Hz	٧	٧	٧
WXGA+	1440x900	@60Hz	٧	٧	٧
WSXGA+	1680x1050	@60Hz	٧	٧	٧
Full HD	1920x1080	@60Hz	٧	٧	٧
QHD	2560x1440	@60Hz	V	٧	V
		@120Hz	V	٧	V
Video Timing	480P		V	٧	V
Resolution	576P		٧	٧	V
	720P		٧	٧	٧
	1080P	@60Hz	V	٧	٧
	2160P	@30Hz	V	٧	
		@50Hz	V	٧	
		@60Hz	V	٧	

PBP 1:1 (Not Support HDR)

Standard	Resolution		HDMI™	DP	USB-C
VGA	640x480	@60Hz	V	V	V
		@67Hz	V	٧	٧
		@72Hz	V	٧	٧
		@75Hz	V	٧	٧
SVGA	800x600	@56Hz	V	٧	٧
		@60Hz	V	٧	٧
		@72Hz	V	٧	٧
		@75Hz	٧	V	V
XGA	1024x768	@60Hz	٧	V	V
		@70Hz	٧	V	V
		@75Hz	٧	V	V
SXGA	1280x1024	@60Hz	٧	٧	V
		@75Hz	٧	V	٧
WXGA+	1440x900	@60Hz	٧	V	٧
WSXGA+	1680x1050	@60Hz	٧	٧	V
Video Timing	480P		٧	V	٧
Resolution	576P		٧	V	٧
	720P		٧	٧	٧
Used for PBP Full	640x1440	@60Hz	٧	٧	٧
Screen	1920x1440	@60Hz	٧	V	V

PBP 3:1/Customize (Not Support HDR)

Standard	Resolution		HDMI™	DP	USB-C
VGA	640x480	@60Hz	V	V	٧
		@67Hz	V	V	٧
		@72Hz	V	V	٧
		@75Hz	V	V	٧
SVGA	800x600	@56Hz	V	V	٧
		@60Hz	V	V	٧
		@72Hz	V	V	٧
		@75Hz	V	V	V
XGA	1024x768	@60Hz	V	V	V
		@70Hz	V	V	V
		@75Hz	V	V	V
SXGA	1280x1024	@60Hz	V	V	V
		@75Hz	V	V	V
WXGA+	1440x900	@60Hz	V	V	V
WSXGA+	1680x1050	@60Hz	V	V	V
Video Timing	480P		V	V	V
Resolution	576P		V	V	V
	720P		V	V	V
Used for PBP Full Screen	1280x1440	@60Hz	V	V	V

Screen Size 16:10 (Not Support HDR)

Standard	Resolution		HDMI™	DP	USB-C
VGA	640x480	@60Hz	V	V	V
		@67Hz	V	V	٧
		@72Hz	٧	V	V
		@75Hz	V	V	٧
SVGA	800x600	@56Hz	V	V	٧
		@60Hz	V	V	٧
		@72Hz	V	V	٧
		@75Hz	V	V	V
XGA	1024x768	@60Hz	٧	V	٧
		@70Hz	٧	V	V
		@75Hz	٧	V	V
SXGA	1280x1024	@75Hz	٧	V	V
QHD+	2560x1600	@60Hz	٧	V	V
		@120Hz	٧	V	V
		@180Hz	٧	٧	V
		@240Hz	٧	٧	V
		@300Hz	٧		
Video Timing Resolution	480P		٧	V	V
	576P		٧	V	V
	720P		٧	٧	٧
	1080P	@60Hz	V	V	V

Troubleshooting

The power LED is off.

- Press the monitor power button again.
- Check if the monitor power cable is properly connected.

No image.

- Check if the computer graphics card is properly installed.
- Check if the computer and monitor are connected to electrical outlets and are turned on.
- Check if the monitor signal cable is properly connected.
- The computer may be in Standby mode. Press any key to activate the monitor.

The screen image is not properly sized or centered.

 Refer to Preset Display Modes to set the computer to a setting suitable for the monitor to display.

No Plug & Play.

- Check if the monitor power cable is properly connected.
- Check if the monitor signal cable is properly connected.
- Check if the computer and graphics card are Plug & Play compatible.

The icons, font or screen are fuzzy, blurry or have color problems.

- Avoid using any video extension cables.
- · Adjust brightness and contrast.
- Adjust RGB color or tune color temperature.
- Check if the monitor signal cable is properly connected.
- Check for bent pins on the signal cable connector.

The monitor starts flickering or shows waves.

- Change the refresh rate to match the capabilities of your monitor.
- Update your graphics card drivers.
- Keep the monitor away from electrical devices that may cause electromagnetic interference (EMI).

Safety Instructions

- Read the safety instructions carefully and thoroughly.
- All cautions and warnings on the device or User Guide should be noted.
- Refer servicing to qualified personnel only.

Power

- Make sure that the power voltage is within its safety range and has been adjusted properly to the value of 100~240V before connecting the device to the power outlet.
- If the power cord comes with a 3-pin plug, do not disable the protective earth pin from the plug. The device must be connected to an earthed mains socket-outlet.
- Please confirm the power distribution system in the installation site shall provide the circuit breaker rated 120/240V, 20A (maximum).
- Always disconnect the power cord or switch the wall socket off if the device would be left unused for a certain time to achieve zero energy consumption.
- Place the power cord in a way that people are unlikely to step on it. Do not place anything on the power cord.
- If this device comes with an adapter, use only the MSI provided AC adapter approved for use with this device.

Environment

- To reduce the possibility of heat-related injuries or of overheating the device, do not place the device on a soft, unsteady surface or obstruct its air ventilators.
- Use this device only on a hard, flat and steady surface.
- To prevent the device from tipping over, secure the device to a desk, wall or fixed object with an anti-tip fastener that helps to properly support the device and keep it safe in place.
- To prevent fire or shock hazard, keep this device away from humidity and high temperature.
- Do not leave the device in an unconditioned environment with a storage temperature above 60°C or below -20°C, which may damage the device.
- The maximum operating temperature is around 40°C.
- When cleaning the device, be sure to remove the power plug. Use a piece of soft cloth rather than industrial chemical to clean the device. Never pour any liquid into the opening; that could damage the device or cause electric shock.
- Always keep strong magnetic or electrical objects away from the device.

- If any of the following situations arises, get the device checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated into the device.
 - The device has been exposed to moisture.
 - The device does not work well or you can not get it working according to the User Guide.
 - The device has dropped and damaged.
 - The device has obvious sign of breakage.

TÜV Rheinland Certification

TÜV Rheinland Low Blue Light Certification

Blue light has been shown to cause eye fatigue and discomfort. MSI now offers monitors with TÜV Rheinland Low Blue Light certification to ensure users' eye comfort and well-being. Please follow the instructions below to reduce the symptoms from extended exposure to the screen and blue light.



Flicker Free

TÜVRheinland

- Place the screen 20 28 inches (50 70 cm) away from your eyes and a little below eye level.
- Consciously blinking the eyes every now and then will help to reduce eye strain after extended screen time
- Take breaks for 20 minutes every 2 hours.
- Look away from the screen and gaze at a distant object for at least 20 seconds during breaks.
- Make stretches to relieve body fatigue or pain during breaks.

TÜV Rheinland Flicker Free Certification

- TÜV Rheinland has tested this product to ascertain whether the display produces visible and invisible flicker for the human eye and therefore strains the eyes of users.
- TÜV Rheinland has defined a catalogue of tests, which sets out minimum standards at various frequency ranges. The test catalogue is based on internationally applicable standards or standards common within the industry and exceeds these requirements.
- The product has been tested in the laboratory according to these criteria.
- The keyword "Flicker Free" confirms that the device has no visible and invisible flicker defined in this standard within the range of 0 - 3000 Hz under various brightness settings.
- The display will not support Flicker Free when Anti Motion Blur/MPRT is enabled. (The availability of Anti Motion Blur/MPRT varies by products.)

Regulatory Notices

CE Conformity

This product has been tested and found to comply with the harmonized standards for Information Technology Equipment published under Directives of Official Journal of the European Union.



FCC-B Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may



cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the measures listed below:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice 1

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2

Shielded interface cables and AC power cord, if any, must be used in order to comply with the emission limits.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- 2. This device must accept any interference received, including interference that may cause undesired operation.

MSI Computer Corp.

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WEEE Statements

European Union: This symbol on the product indicates that this product cannot be discarded as municipal waste. Instead, it is your responsibility to dispose of your waste electrical and electronic equipment by handing it over to a designated collection point for recycling. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Chemical Substances Information

In compliance with chemical substances regulations, such as the EU REACH Regulation (Regulation EC No. 1907/2006 of the European Parliament and the Council), MSI provides the information of chemical substances in products at: https://csr.msi.com/global/index

RoHS Statement

Japan JIS C 0950 Material Declaration

A Japanese regulatory requirement, defined by specification JIS C 0950, mandates that manufacturers provide material declarations for certain categories of electronic products offered for sale after July 1, 2006.

https://csr.msi.com/global/Japan-JIS-C-0950-Material-Declarations

India RoHS

This product complies with the "India E-waste (Management and Handling) Rule 2016" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 weight % and 0.01 weight % for cadmium, except for the exemptions set in Schedule 2 of the Rule.

Turkey EEE Regulation

Conforms to the EEE Regulations of the Republic Of Turkey

Ukraine Restriction of Hazardous Substances

The equipment complies with requirements of the Technical Regulation, approved by the Resolution of Cabinet of Ministry of Ukraine as of 10 March 2017, № 139, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.

Vietnam RoHS

As from December 1, 2012, all products manufactured by MSI comply with Circular 30/2011/TT-BCT temporarily regulating the permitted limits for a number of hazardous substances in electronic and electric products.

Green Product Features

- Reduced energy consumption during use and stand-by
- Limited use of substances harmful to the environment and health
- Easily dismantled and recycled
- Reduced use of natural resources by encouraging recycling
- Extended product lifetime through easy upgrades
- Reduced solid waste production through take-back policy

Environmental Policy

- The product has been designed to enable proper reuse of parts and recycling and should not be thrown away at its end of life.
- Users should contact the local authorized point of collection for recycling and disposing of their end-of-life products.



- Visit the MSI website https://csr.msi.com/global/pevn_ewaste and locate a nearby distributor for further recycling information.
- Please visit https://us.msi.com/page/recycling for information regarding the recycling of your product in the US.

Warning!

Overuse of screens is likely to affect eyesight.

Recommendations:

- 1. Take a 10-minute break for every 30 minutes of screen time.
- 2. Children under 2 years of age should have no screen time. For children aged 2 years and over, screen time should be limited to less than one hour per day.

Copyright and Trademarks Notice

MSI 微星





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Technical Support

If a problem arises with your product and no solution can be obtained from the user's manual, please contact your place of purchase or local distributor. Alternatively, please visit https://www.msi.com/support/ for further guidance.