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› Pixio PX277 Prime NEO Gaming Monitor 27-inch 165Hz WQHD Fast IPS User Manual

Pixio PX277PN

Pixio PX277 Prime NEO Gaming Monitor User Manual

Model: PX277PN



1. INTRODUCTION

Thank you for purchasing the Pixio PX277 Prime NEO Gaming Monitor. This manual provides essential information for setting up, operating, and maintaining your monitor to ensure optimal performance and longevity. Please read this manual thoroughly before using the product.



Figure 1.1: Pixio PX277 Prime NEO Gaming Monitor - Front View

This image displays the front of the Pixio PX277 Prime NEO monitor, highlighting its key features such as the 27-inch WQHD (2560x1440) Fast IPS display, 180Hz refresh rate, and 1ms (GTG) response time. The monitor features a sleek, bezel-less design on three sides and is mounted on its multi-functional stand.

Key Features:

- **Display:** 27-inch WQHD (2560x1440) Fast IPS Panel
- **Refresh Rate:** Up to 180Hz for incredibly smooth visuals
- **Response Time:** 1ms (GTG) to minimize motion blur and ghosting
- **Color Accuracy:** sRGB 119.35% and DCI-P3 97.53% for vibrant and accurate colors
- **Ergonomic Stand:** Multi-functional stand with height, tilt, swivel, and pivot adjustments
- **Gaming Features:** Adaptive Sync (AMD FreeSync Premium & G-SYNC compatible), HDR10, Flicker Free, Blue Light Cut, Overdrive, Black Equalizer, Crosshair display, FPS counter, PIP/PBP modes
- **Connectivity:** 2x HDMI 2.0, 1x DisplayPort 1.4, Headphone Jack
- **Audio:** Built-in 3W x2 speakers

2. SETUP

2.1 Package Contents

Before proceeding with the setup, please ensure all components are present:

- Pixio PX277 Prime NEO Monitor
- Monitor Stand (Base and Neck)
- Power Adapter and Cable
- DisplayPort Cable
- User Manual (this document)
- Screws for stand assembly

2.2 Assembling the Stand

1. Carefully remove the monitor from its packaging, placing it face down on a soft, clean surface to prevent scratches.
2. Attach the stand neck to the monitor using the provided screws. Ensure it is securely fastened.
3. Connect the stand base to the stand neck, tightening the thumb screw or screws from the bottom of the base.
4. Once assembled, carefully lift the monitor and place it on a stable, flat surface.



Figure 2.1: Monitor Rear View and Stand Attachment

This image shows the back of the Pixio PX277 Prime NEO monitor, detailing the hexagonal design around the VESA mount area where the stand attaches. It also clearly displays the location of the HDMI and DisplayPort inputs, as well as the headphone jack.

2.3 Connecting the Monitor

Connect the monitor to your computer or other devices using the appropriate cables.

- **Power Connection:** Connect the power adapter to the monitor's power input and then plug it into a power outlet.
- **Video Connection:**
 - For optimal performance (180Hz, WQHD), use the included DisplayPort 1.4 cable to connect to your graphics card.
 - Alternatively, use an HDMI 2.0 cable for connections to devices supporting this standard. The monitor has two HDMI 2.0 ports.
- **Audio Connection:** Connect headphones or external speakers to the 3.5mm headphone jack if desired.

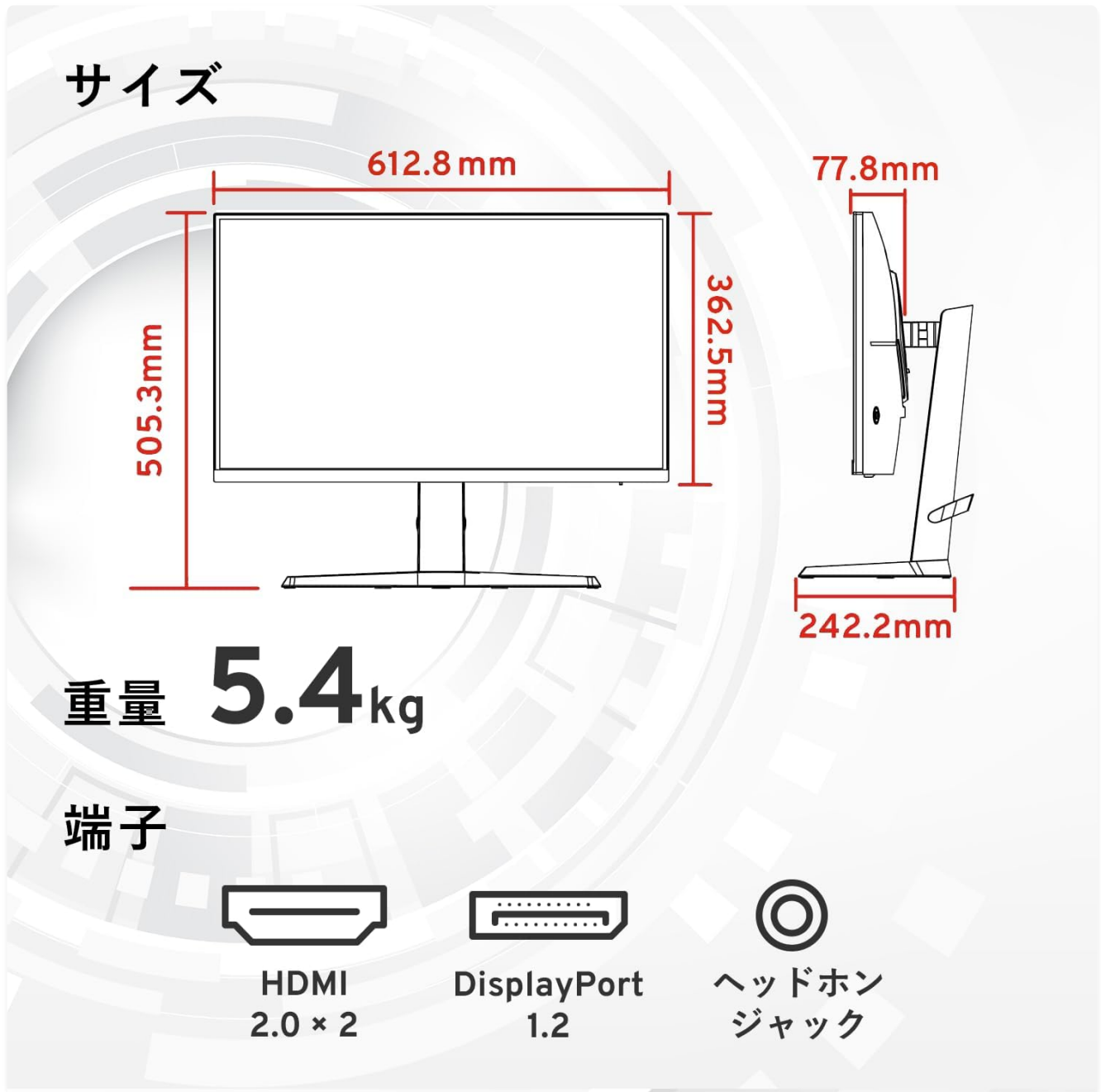


Figure 2.2: Monitor Dimensions and Port Layout

This diagram illustrates the physical dimensions of the Pixio PX277 Prime NEO monitor, including its width, height, and depth. It also clearly labels the available input ports: two HDMI 2.0 ports, one DisplayPort 1.2 port, and a headphone jack, providing a visual guide for connectivity.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

Press the power button located on the monitor to turn it on or off. The power LED will indicate the monitor's status.

3.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the joystick or buttons (depending on model variation) on the back or bottom of the monitor to navigate the OSD.

- **Navigation:** Push the joystick/button up, down, left, or right to navigate. Press in to select.
- **Main Categories:** Picture, Color, OSD Settings, Gaming Features, Input Select, System.

3.3 Adjusting Display Settings

Optimize your viewing experience by adjusting the following settings:

- **Resolution:** Ensure your computer's display settings are set to WQHD (2560x1440) for the sharpest image.
- **Refresh Rate:** Set your graphics card's refresh rate to 180Hz for the smoothest motion.
- **Adaptive Sync:** Enable AMD FreeSync Premium or G-SYNC Compatible in the OSD menu and your graphics card settings to eliminate screen tearing and stuttering.
- **HDR:** Enable HDR10 for enhanced contrast and color depth if your content supports it.
- **Overdrive:** Adjust the Overdrive setting to fine-tune response time and reduce ghosting.
- **Black Equalizer:** Enhance visibility in dark areas of games without overexposing bright areas.
- **Flicker Free & Blue Light Cut:** These features reduce eye strain during prolonged use.

高リフレッシュレートの圧倒的滑らかさ **180Hz & 1ms(GTG)**



Figure 3.1: 60Hz vs 180Hz Refresh Rate Comparison

This image visually compares the difference in motion smoothness between a 60Hz display and a 180Hz display. The 180Hz side shows a much clearer and more fluid image, indicating reduced motion blur and ghosting, which is crucial for fast-paced gaming.

高発色で映像を鮮明に再現

Fast IPS & WQHD



豊かな色彩と深みのある発色、広い視野角で、
より鮮やかな映像体験を実現。

Figure 3.2: Panel Type and Resolution Comparison

This image provides a visual comparison between a TN panel and an IPS panel, demonstrating the superior color reproduction and wider viewing angles of the IPS technology used in the PX277 Prime NEO. It also highlights the increased detail and screen real estate offered by WQHD resolution compared to Full HD (FHD).

遅延から解放されるストレスフリーなプレイ

Adaptive Sync & Flicker Free



画面のチラつきやズレ・遅れを軽減し、
アクション性の高いゲームでも快適にプレイ可能。

Figure 3.3: Adaptive Sync & Flicker Free in Action

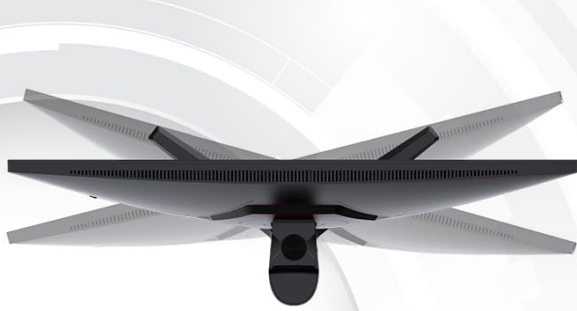
This image illustrates the benefits of Adaptive Sync and Flicker Free technologies. The 'ON' side displays a smooth, tear-free image, while the 'OFF' side shows noticeable screen tearing and flickering lines, emphasizing how these features contribute to a more comfortable and immersive viewing experience.

3.4 Using the Multi-functional Stand

The monitor's stand offers versatile adjustments for ergonomic comfort:

- **Height Adjustment:** Adjust the monitor's height by sliding it up or down along the stand arm (up to 110mm).
- **Tilt Adjustment:** Tilt the screen forward (-5°) or backward (20°) to find your preferred viewing angle.
- **Swivel Adjustment:** Swivel the monitor left or right (30° each way) to share your screen or adjust your position.
- **Pivot Function:** Rotate the screen 90° clockwise or counter-clockwise (up to 90° in either direction) for portrait mode viewing, ideal for coding or document review.

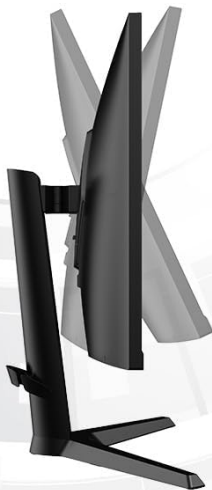
多機能スタンドで自由自在



スィーベル調整
Left **30°** ~ Right **30°**



高さ調節
高さ **110mm**



チルト調整
Front **-5°** ~ Back **20°**



ピボット機能
Clockwise **-90°** ~ **90°**

Figure 3.4: Multi-functional Stand Adjustments

This image illustrates the full range of motion provided by the Pixio PX277 Prime NEO's multi-functional stand. It shows how the monitor can be adjusted for height (up to 110mm), tilted forward (-5°) and backward (20°), swiveled left and right (30° each way), and pivoted 90° for portrait orientation, offering comprehensive ergonomic flexibility.

4. MAINTENANCE

4.1 Cleaning the Monitor

- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a non-abrasive screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using benzene, thinner, ammonia, or abrasive cleaners, as they can damage the screen or casing.

4.2 General Care

- Avoid placing the monitor in direct sunlight or near heat sources.
- Do not block the ventilation openings on the monitor.

- Keep the monitor away from excessive dust, humidity, and extreme temperatures.
- Do not place heavy objects on the monitor or its cables.

5. TROUBLESHOOTING

If you encounter issues with your Pixio PX277 Prime NEO monitor, please refer to the following common solutions:

Problem	Possible Cause / Solution
No Power / No Image	• Ensure the power cable is securely connected to the monitor and the power outlet. • Check if the power adapter is functioning correctly. • Verify that the power button on the monitor is pressed.
No Signal / "No Input" Message	• Ensure the video cable (DisplayPort or HDMI) is securely connected to both the monitor and your computer/device. • Select the correct input source using the OSD menu (Input Select). • Check if your computer/device is powered on and outputting a signal.
Image is Blurry or Distorted	• Set your computer's display resolution to the monitor's native resolution (2560x1440). • Adjust the refresh rate to 180Hz in your graphics card settings. • Check the video cable for damage or loose connections.
Screen Tearing or Stuttering	• Ensure Adaptive Sync (FreeSync/G-SYNC Compatible) is enabled in both the monitor's OSD and your graphics card's control panel. • Verify that your graphics card drivers are up to date.
No Audio from Speakers/Headphone Jack	• Check the volume settings in the OSD menu and on your computer. • Ensure the audio output device is correctly selected in your computer's sound settings. • Verify that the audio cable (if using external speakers) or headphones are properly connected.

If the problem persists after trying these solutions, please contact Pixio customer support.

6. SPECIFICATIONS

Feature	Detail
Brand	Pixio
Model Number	PX277PN

Feature	Detail
Screen Size	27 Inches
Panel Type	Fast IPS
Resolution	2560 x 1440 (WQHD)
Refresh Rate	180Hz
Response Time	1ms (GTG)
Aspect Ratio	16:9
Color Gamut	sRGB 119.35%, DCI-P3 97.53%
Surface Treatment	Non-glare
Connectivity	2x HDMI 2.0, 1x DisplayPort 1.4, 1x Headphone Jack
Speakers	Built-in (3W x2)
Adaptive Sync	AMD FreeSync Premium, G-SYNC Compatible
HDR Support	HDR10
Ergonomics	Height, Tilt, Swivel, Pivot
VESA Mount	75mm x 75mm
Product Dimensions (W x D x H)	59.6 x 24 x 50.5 cm (with stand)
Item Weight	7.74 kg

7. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official Pixio website or contact their customer service directly. Warranty terms may vary by region and retailer.

It is recommended to register your product on the official Pixio website to receive updates and support.

Official Pixio Website: www.pixiogaming.com

