

RFI25CBA

GAMING MONITOR

USER MANUAL



In order to continue serving our customers and providing the best products, our product information including our user manuals may receive updates from time to time. Please check our website for the latest user manuals and product materials.

Table of Contents

- Section 1: Safety Precautions.....4**
- Section 2: Box Contents.....5**
- Section 3: Product Overview6**
 - 3.1 – Rocker Button.....6
 - 3.2 – Monitor Ports.....6
- Section 4: Stand Installation.....7**
- Section 5: Wall Mounting.....9**
- Section 6: Basic Operation10**
- Section 7: Indicator Light10**
- Section 8: OSD11**
 - 8.1 – OSD Menu Functions12
- Section 9: Port Selection.....14**
- Section 10: ECO Modes and Gameplus Switching.....15**
- Section 11: Troubleshooting16**
 - 11.1 – General Problems16
 - 11.2 – PIP (Picture in Picture) Input Information17
 - 11.3 – PBP (Picture by Picture) Resolution Information.....17
- Section 12: Cleaning18**
- Section 13: Information19**
 - 13.1 – Specifications19
 - 13.2 – Resolution Compatibility for DP20
- Section 14: Three-Year Limited Hardware Warranty20**

Section 1: Safety Precautions

Read and observe the following warnings and information below.

1. Before cleaning, always unplug your monitor. It is recommended that you use dry cloth or lightly damp cloth to clean your monitor. Dry cloth is, however, the safest. If using damp cloth, wait for your monitor to completely dry before plugging it in again.
2. Do not use alcohol or ammonia-based cleaner and/or liquids to clean your monitor.
3. This monitor features ventilation openings on the back of the unit. Avoid blocking these openings to prevent the monitor from overheating.
4. Avoid placing this monitor near any heat sources e.g: portable heaters or heating vents, as this may cause damage to your monitor.
5. Do not spray cleaner and or any kind of liquid directly onto the monitor's screen or any part of the monitor.
6. Do not insert anything into any part of the monitor especially the ventilation openings.
7. Always make sure your monitor is placed on a secure, level surface to prevent it from falling and sustaining damage.
8. Unplug your monitor during any extended periods of non-use.
9. Do not place heavy items on the monitor or monitor cables.
10. Do not attempt to disassemble or remove parts from the monitor. Any disassembly or modification etc. not performed by an authorized technician can result in damage to the monitor and/or possible exposure to high voltage electricity which may lead to serious injury or death.

VIOTEK shall not be held responsible for injury or damage of products or persons due to failure to adhere to the aforementioned precautions or any others noted hereafter.

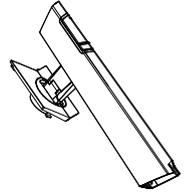


The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

Section 2: Box Contents



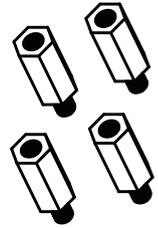
Monitor x 1



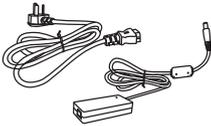
Stand Stem x 1



Stand Base x 1



Screws x 4



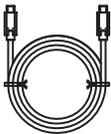
Power Adapter x 1
(DC 19V, 3.42A)



DP Cable x 1



Screwdriver x 1



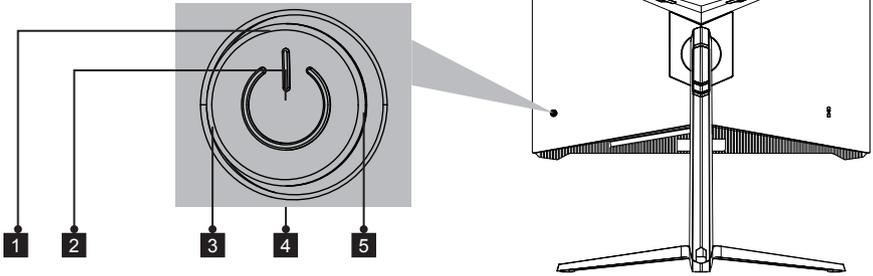
Type-C Cable x 1



User Manual x 1

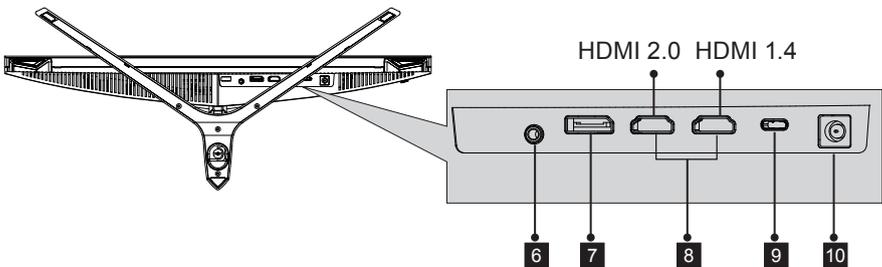
Section 3: Product Overview

3.1 – Rocker Button



- 1 ▲ **Press Rocker up:** Crosshairs shortcut; OSD menu navigation.
- 2 ⏻ **Power Button:** Turn off monitor (longpress); put monitor to sleep (quickpress)
- 3 ◀ **Press Rocker to the left:** RGB Range/Port Selection shortcut.
When connecting a Type-C device (phone, laptop, etc.) and using the monitor in portrait mode (vertical position), long-press the Rocker to the left ◀ to open the Port Selection shortcut menu. Then select the appropriate device (refer to **Section 9: Port Selection** for more info).
- 4 ▼ **Press Rocker down:** display scene mode shortcut; OSD menu navigation
- 5 ▶ **Press Rocker to the right:** OSD shortcut; menu input selection

3.2 – Monitor Ports



- 6 **Audio Output**
- 7 **DisplayPort**
- 8 **HDMI Ports**
- 9 **Type-C Port**
- 10 **Power**



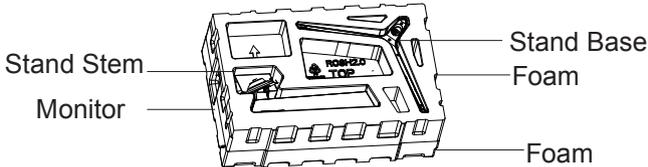
Monitor resolution and refresh rates are largely dependent on the type of connecting cable used. For optimal refresh rates, we recommend using DisplayPort connectors whenever possible.

Section 4: Stand Installation

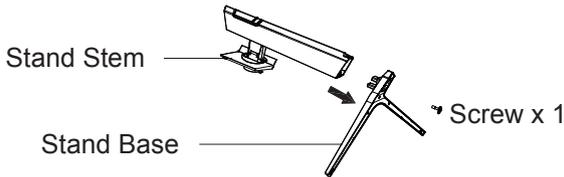


Keep the foam underneath the monitor while attaching the stand.

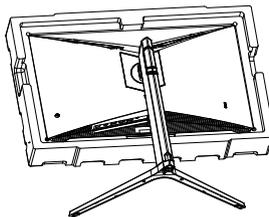
1. Open the package, take out the product with foam still attached, and gently place it on a desktop or table.



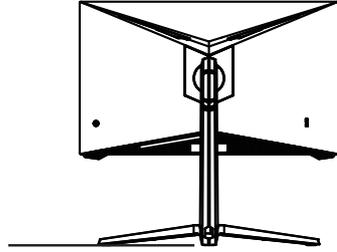
2. Take out the two main parts of the stand and remove the foam covering the top of the monitor. Release the screw attached on the base, then attach the stand base to the stand stem. Tighten the screw back to the base.



3. Remove the foam covering the back of the monitor. Locate the top slot of the opening on the back of monitor. Insert the mounting plate into the top slot. Continue to press in until it clicks into place to make sure the stand is installed in place.

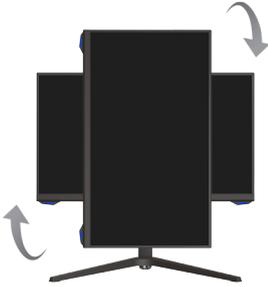


4. Place the monitor on your desktop or table after completing installation.



 To avoid damage, do not touch the screen when moving the monitor.

5. Carefully adjust monitor's height, angle and/or orientation as desired.



Orientation adjust 90°



Height adjust 4.72 ± 0.20 in. (120 ± 5 mm)



Pivot adjust 30° ± 2°



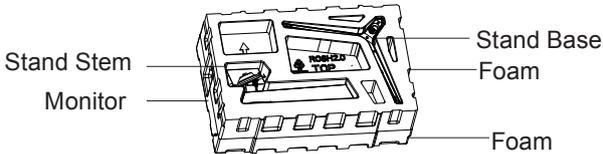
Tilt adjust -5~20°

Section 5: Wall Mounting



This monitor includes screws that may **only** be used when attaching the monitor to a mount. No mount or mounting accessory is included.

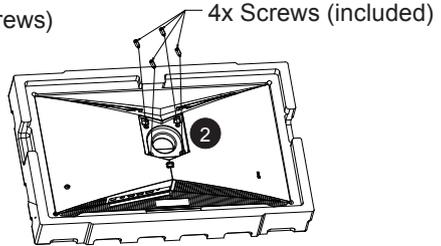
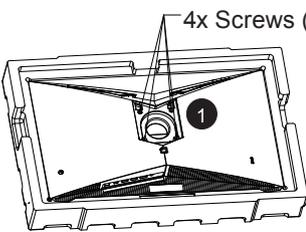
1. Open the package, take out the product with foam still attached, and gently place it on a desktop or table. Remove the extra parts and the foam covering the monitor. If the monitor was already attached to the stand, remove the stand.



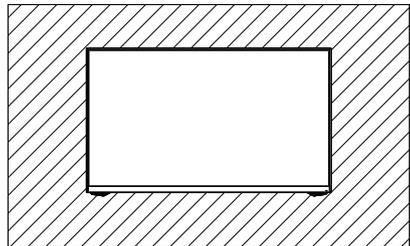
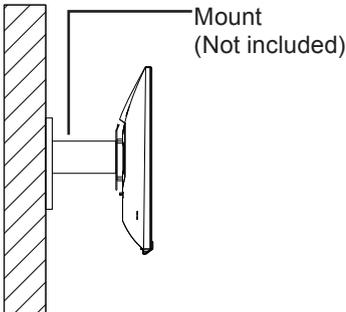
2. Remove the original screws (1) from the opening in the back of the monitor. Then use the included 4x screws to attach the adapters inside the opening.



- Do not discard the original screws.
- Use only the Screws (2) provided.



3. Follow the directions received with your mount, stand, or accessory and install the monitor on the wall or fixture as desired.



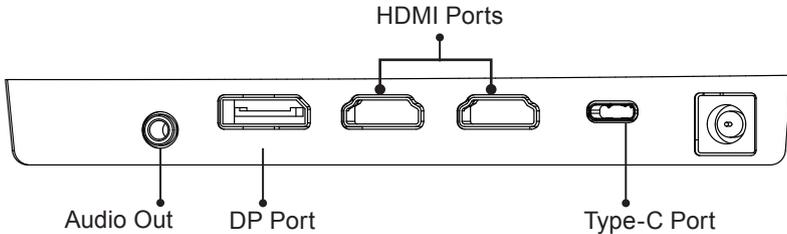
Section 6: Basic Operation

1. Insert one end of the DP cable (included) into your PC's graphics card. An HDMI cable (not included) or, in some cases, a USB Type-C cable can also be used.



Monitor resolution can be limited based on the input/cable used (i.e., DP vs HDMI).

2. Connect the other end of the cable to the corresponding port on your monitor.



3. Connect the power cable to your monitor, then connect the other end to your power source. It is recommended that you use a surge protector with adequate voltage if a wall outlet cannot be reached directly.
4. Locate the power button on the monitor and press and hold it for ~6s to turn the monitor on.



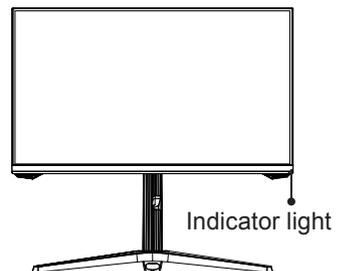
If you cannot locate the power button, please refer to **Section 3.1**.

Adaptive Sync

Adaptive sync eliminates image tearing, stuttering and ghosting by adjusting of a monitor's vertical refresh rate to the frame rate of the graphics card. It is compatible with GPUs that use AMD® FreeSync™ or NVIDIA® G-Sync™. The feature is off on VIOTEK monitors by default and must be manually enabled in the monitor's OSD (see **Section 8: OSD**). To use this feature, the connecting device must be compatible with adaptive sync (FreeSync and/or G-Sync); have the latest graphic drivers; and be connected to the monitor using a DisplayPort (DP) cable.

Section 7: Indicator Light

Solid blue light indicates power is on and the monitor is operating normally. Flashing blue light indicates no video source, no horizontal/vertical signal has been detected or voltage is low. Please ensure your computer is on and all video cables are fully connected.



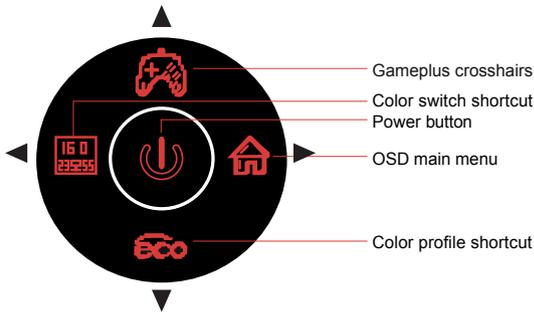
Section 8: OSD

The On-Screen Display (OSD) Menu may be used to adjust your monitor's settings and appears on screen after turning on the monitor and pressing Rocker to the right.

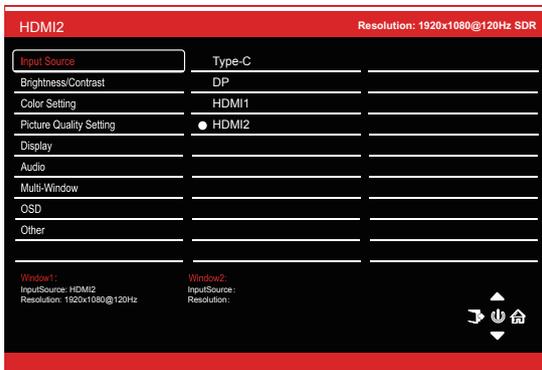


When using the monitor for the first time, settings will automatically adjust to optimal settings according to your computer's configuration.

1. The shortcut keys of the Rocker button.



2. Press rocker to the **right** ▶ to enter the OSD screen.



3. Press rocker **up** ▲ or **down** ▼ to browse functions.
 - a. Highlight the functions you want to set and press rocker **right** ▶ to enter the sub-menu.
 - b. Press rocker **up** ▲ or **down** ▼ to browse the sub-menu and press the rocker **right** ▶ to highlight the functions you want to set.
 - c. Press rocker **up** ▲ or **down** ▼ to highlight the options and press the rocker **right** ▶ to confirm the settings and exit the current screen.
4. Press rocker to the **left** ◀ to exit the current screen.

8.1 – OSD Menu Functions

Main Menu	Sub-Menu	Options	Description
Input Source	Type-C	NONE	Switch to USB Type-C signal input
	DP	NONE	Switch to DP signal input
	HDMI 1	NONE	Switch to HDMI 1 signal input
	HDMI 2	NONE	Switch to HDMI 2 signal input
Brightness/ Contrast	Brightness	0~100	Adjust the balance between light and dark shades
	Blacklevel	0~100	Adjust the balance of the darkest areas of the image
	Contrast	0~100	Adjust the degree of difference between dark and bright
	DCR	On	Turn on DCR function
		Off	Turn off DCR function
Color Setting	Gamma	Gamma 1.8, Gamma 2.0, Gamma 2.2, Gamma 2.4, Gamma 2.6	Adjust the tone luminance (gamma) of the display
	Picture Mode	Standard, Photo, Movie, Game, FPS, RTS, sRGB	Set visual mode according to activity and/or preference
	Color Temperature	Warm, Cool, User	Select color temperature
	Low Blue Light	0~100	Adjust the filter to reduce the risk of blue light exposure to your eyes by reducing the blue light emitted from the display
	Hue	0~100	Adjust the degree of perceived colors
	Saturation	0~100	Adjust the purity of perceived colors levels

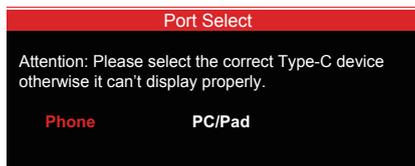
Main Menu	Sub-Menu	Options	Description
Picture Quality Setting	Sharpness	0~100	Adjust the clarity and visibility of the edges in the image
	Response Time	Off, High, Middle, Low	Activate and adjust overdrive function to decrease response time
	Noise Reduction	Off, High, Middle, Low	Reduce the interference of image noise caused by signal source interference
	Super Resolution	Off, High, Middle, Low	Enhance image quality of upscaled images
	Dynamic Luminous Control	On, Off	Auto compensation for gray scale display screen and strengthen the expression of gray scale
	MPRT	On, Off	Turn on/off advanced motion blur reduction mode (not compatible with Adaptive Sync)
Display	Aspect Ratio	Wide Screen, 4:3, 1:1, Auto	Select on-screen aspect ratio
	LedMode	Normal, Off, Flicker	Turn on/off and control the LED lights under the frame and in the back.
Audio	Mute	On, Off	Turn mute mode on/off
	Volume	0-100	Adjust audio volume
	Audio Source	Auto Source, Type-C, DP, HDMI 1, HDMI 2	Select audio signal input via Type-C, HDMI or DP
Multi-Window	Multi-Window	Off, PIP Mode, PBP 2Win, PBP Phone	Select PIP/PBP modes according to the number of input signals connected (PBP Phone mode specially set for mobile phones)
	Sub Win2 Input	HDMI1.4, HDMI2.0, DP1.2, Type-C	Select according to input signal for PIP/PBP mode (when PBP phone mode in use, the second window signal cannot be selected)
	PIP Size	Small, Medium, Large	Adjust the PIP/PBP display window size
	PIP Position	Top Right, Top Left, Bottom Right, Bottom Left	Adjust the PIP/PBP window position
	Swap	NONE	Swap between the PIP/PBP screens (PBP phone mode cannot be swapped)

Main Menu	Sub-Menu	Options	Description
OSD	Language	English, 简体中文, 한국어, Русский, Español, 日本語, Français	Set OSD language
	OSD H-Position	0-100	Adjust the OSD's horizontal position
	OSD V-Position	0-100	Adjust the OSD's vertical position
	OSD Transparency	0-100	Set the OSD's overall transparency
	OSD Time Out	5-100	Set how long the OSD remains open after non-use
	OSD Rotation	Normal, 90, 180, 270	Adjust the OSD menu orientation based on the monitor's orientation (vertical vs horizontal)
Other	DP Version	DP1.2	Display the current signal inputs version
	FreeSync (Adaptive Sync)	On, Off	Turn the Adaptive Sync function on/off
	Turn on Type-C	On, Off	Turn on/off Type-C feature
	Gravity Induction*	On, Off	Turn the Gravity Induction function on/off
	Reset	None	Reset monitor configurations

*Gravity induction (or gravity sensing) works to detect the orientation of the connected TYPE-C device (PC, iPad, Tablet, etc.) and automatically adjusts the display accordingly when enabled. **Settings for first use of Gravity Induction:** Open the display settings in your computer's OS and select the display adapter properties of display 2, and select 1080x1920 in all modes.

Section 9: Port Selection

After rotating the monitor 90° to portrait mode (vertical position), the port selection screen may pop-up when the Type-C input is first connected. Press Rocker **up ▲** or **down ▼** to select the correct Type-C device; otherwise, it won't display properly.





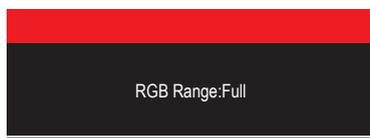
- The monitor can provide power to your connected mobile device when connected via Type-C.
- When using the monitor in vertical position (portrait mode) for the first time, set a proper resolution ratio on your computer; otherwise, the monitor may not display properly.
- Always select the correct Type-C device type for the Port Select pop-up.



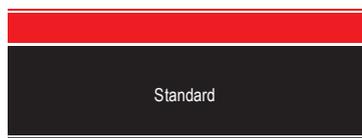
The connected Type-C device (tablet, smartphone, etc.) and the USB-C cable must support DP ALT-MODE.

Section 10: ECO Modes and Gameplus Switching

1. Press Rocker to the **left** ◀ to switch RGB Ranges included Limited and Full. Full Range is suitable for most activities.



2. Press Rocker **down** ▼ button to switch ECO modes. These modes (Standard, Photo, Movie, Game, FPS, RTS, sRGB) can be used to optimize settings according to your activity and/or preference. Standard mode is suitable for most activities and sRGB delivers better color matching representation with peripheral devices (printers, digital cameras, etc.).



3. Press Rocker **up** ▲ to switch Gameplus modes. Choose the corresponding crosshair icon according to the needs of your game. These game icons are primarily designed to optimize your aim during shooting games, though they can be used for other purposes.



Section 11: Troubleshooting

11.1 – General Problems

The screen is blank

- Press the power button to turn the monitor on.
- Confirm the brightness and contrast settings are set normally.
- Check if the indicator light is flashing. If so, there is no signal from your video source.
- If your source is a notebook or laptop, make sure it's powered on and set to mirror or extension mode.

The image is out of focus

- Make sure the video cable is inserted properly at both ends.

The screen is flashing

- Try an alternative power source. Insufficient power can cause this issue.
- Make sure devices such as non-shielded speakers, fluorescent lighting, AC transformers, table fans, etc., are a safe distance away from your screen to avoid magnetic disturbances.

The color bleeds or visual effects appear unusual.

- If your screen is all red or blue, or any colors disappear, check to see that the cable is properly inserted. A loose connection can cause a bad signal.
- Try connecting to another video source for comparison.

The screen appears to be scrolling, rolling, or moving unusually.

- Check that your source frequency is within 55-76Hz.
- Reconnect and ensure your video cable is secure.

The indicator light does not work

- Check if the power is on.
- Make sure the power cable is properly connected to the monitor and power source.

Cannot plug and play.

- Check PC requirements to make sure it is compatible with the monitor.
- Check graphics card requirements to make sure it is compatible with the monitor.

Connected smartphone/tablet using USB-C but images do not show.

- Make sure your connected device is compatible with DP ALT MODE.
- Make sure the USB Type-C cable is compatible with DP ALT MODE and can transmit video/data signals. Not all USB-C cables can do this. (Replace the USB-C cable if it does not support video signals.)

Dim image

- Adjust the brightness and contrast ratio.

Image jitter/moire pattern

- Nearby electric equipment may be interfering with the monitor.

Light indicator is on or flashing, but there is no image displayed on screen

- Check if the monitor power is on.
- Check if the graphics card is installed properly.
- Make sure the power cable is properly connected to the monitor and power source.

Image position is not centered/the size is not right

- Please adjust Clock or Auto settings.

Color difference (colors are not optimized)

- Adjust RGB color settings or reset color temperature.

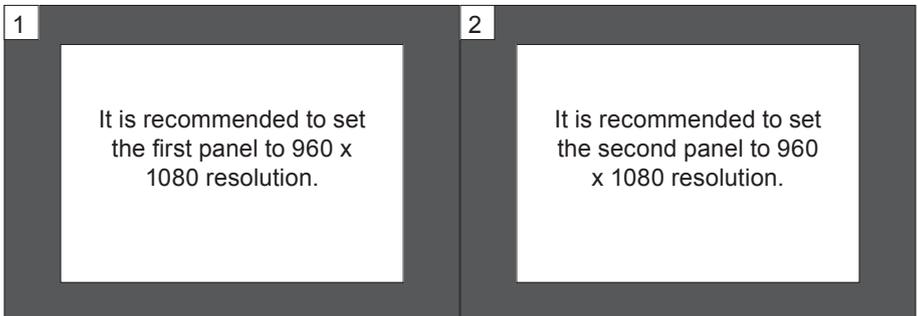
11.2 – PIP (Picture in Picture) Input Information

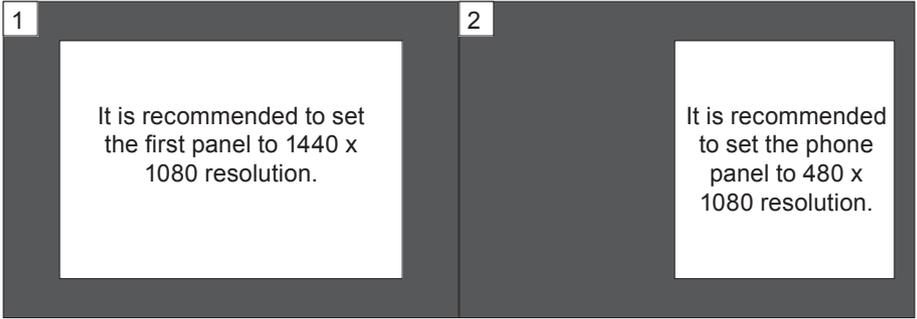
Mode	Primary Screen Source	Picture in Picture Additional Source			Swap Windows	Picture Mode
		DP	HDMI	Type-C		
Mode 1	DP	X	✓	✓	✓	✓
Mode 2	HDMI	✓	X	✓	✓	✓
Mode 3	DVI	✓	✓	X	✓	✓

Note: "✓" means this feature is supported while "X" means it is not supported.

11.3 – PBP (Picture by Picture) Resolution Information

For optimal viewing experience while using these features, it is recommended to set both panels to the same resolution, unless in Phone PBP mode.





At this resolution, tearing and visual deformation should be minimized.

Section 12: Cleaning

Take the following steps when cleaning the monitor. Do not press the monitor display with hands or other objects; otherwise, there is a risk of damaging the screen.

1. Power off the monitor and PC.
2. Disconnect the power cord from the product.



Do not touch any cords or cables with wet hands. Electric shock may result.

3. Use a dry, non-abrasive cloth to gently remove dust and debris.
4. Lightly wet another soft cloth in water. Ring the cloth out well. Gently wipe the exterior of the product.



Never use alcohol, solvent, surfactant or ammonia-based cleaning solutions. Do not spray water or detergent directly on the product.

5. Connect the power cord to the product when cleaning is finished.
6. Power on the product and PC.

Section 13: Information

13.1 – Specifications

Item	Detail
Model Number	RFI25CBA
Screen Size	24.5"
Viewing Angle	178°/178° (H/V)
Aspect Ratio	16:9
Resolution	1920 x 1080p
Backlight	E-LED
Typical Brightness	250 cd/m2 (min); 300cd/m2 (max)
Default Color Temperature	6500
Colors	sRGB 98%; NTSC 85%
Contrast Ratio	1000:1
Pixel pitch	0.2832 mm x 0.2802 mm (H x V)
Response Time	5ms (OD), 1ms MPRT
Refresh Rate	144Hz
Ports	1x DP, 2x HDMI, 1x 3.5 Audio Out, 1x Type-C
Power	65W (19V 3.42A)
OSD Language	English, 简体中文, 한국어, Русский, Español, 日本語, Français
Environmental Temperature & Humidity	Operating temperature: 32°F to 104°F
	Storage temperature: -4°F to 140°F
	Operating relative humidity: RH 10% to 85% (non-condensation)
Orientation	Vertical (portrait), Horizontal (landscape)
Height Adjustment	Yes, 4.72 ±0.20 in. 120 ±5 mm
Tilt Angle	Forward 5°; Backward 20°
VESA Mounting	75 x 75 mm
Dimension (with Stand)	21.9 x 20.64 x 9.35 in (556.4 x 524.2 x 237.6 mm)
Weight	11.16 lb. / 15.87 lb. (incl. packaging)

13.2 – Resolution Compatibility for DP

System Requirements below are the minimum system requirements for your RFI25CBA monitor. The requirements are recommended in order to properly use all of the monitor's features and ensure high-quality picture. Minimum Requirements
Operating System: Windows® 7 / Windows® 8 / Windows® 10 64-bit (latest service pack) or higher, Processor (CPU): Intel® Core™ i5 or AMD Phenom™ II X3 or higher, Graphics Card: NVIDIA® GeForce® GTX 950 or AMD Radeon™ R9 380 or higher, Memory: 6 GB RAM* All trademarks and registered trade names are the property of their respective owners.

Important Resolution Details

Max. resolution/refresh for HDMI 2.0: 1080p @ 120Hz.

Max. resolution/refresh for DisplayPort: 1080p @ 144Hz.

For your convenience, a DP cable is included

Section 14: Three-Year Limited Hardware Warranty

Your VIOTEK® RFI25CBA Game Monitor ("Product") includes a Three-Year Limited Hardware Warranty ("Warranty"). The Warranty covers product defects in materials and workmanship under normal use. This Warranty is limited to residents of the United States and Canada only and is available only to original purchasers. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

This Warranty starts on the date of your purchase and lasts for three years (the "Warranty Period"). The Warranty Period is not extended if the Product is repaired or replaced. We may change the availability of this limited warranty at our discretion, but any changes will not be retroactive.

Warranty services are provided by Viotek Warranty Pro ("WP"). If a hardware defect arises and a valid claim is received within the Warranty Period, at its option and to the extent permitted by law, WP will: (1) repair the hardware defect by using new or refurbished parts that are equivalent to new in performance and reliability; or (2) exchange the Product with a new product or a refurbished one that is substantially equivalent to the original product. This Warranty is for one replacement only of like-items and does not cover items out of production if the product is no longer made or stocked. This Warranty is not assignable or transferable. The original purchaser may call WP's toll-free number at 1-855-229-9472 for service requests.

When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes WP's property. This warranty only covers technical hardware defectiveness during the warranty period and under normal use conditions. WP does not warrant uninterrupted or error-free operation of this Product. This Warranty does not cover any damage due to: (a) transportation; (b) storage; (c) improper use; (d) failure to follow the product instructions or to perform any preventive maintenance; (e) modifications; (f) unauthorized repair; (g) normal wear and tear; or (h) external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

Important: Do not disassemble the Product. Disassembling the Product will void this Warranty. Only WP or a party expressly authorized by WP should perform service on this Product.

DISCLAIMER OF WARRANTY: THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND OUR ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. OUR LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE PRODUCT, NOR SHALL WE UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THE DURATION AND REMEDIES OF ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED TO THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

DECLARATION OF CONFORMITY

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.

FCC RELATED INFORMATION:

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 instructions, 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 following measures:

- 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/TV technician for help.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.



COPYRIGHT © 2021 VIOTEK. ALL RIGHTS RESERVED.