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**iVANKY VBC94**

# iVANKY 80Gbps 16K DisplayPort 2.1 Cable (2M) Instruction Manual

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the iVANKY 80Gbps 16K DisplayPort 2.1 Cable. This cable is engineered to facilitate high-bandwidth video and audio transmission between DisplayPort-enabled devices, supporting advanced resolutions and refresh rates for an optimal visual and auditory experience.

# 80Gbps 16K@60Hz DP 2.1 ケーブル

未来を見据えた超高清精細ビジュアルの饗宴



Image: iVANKY 80Gbps 16K DisplayPort 2.1 Cable, showcasing its ability to deliver ultra-high precision visuals for future display possibilities.

## 2. KEY FEATURES

- **VESA Certified 80Gbps Bandwidth:** This iVANKY 16K DisplayPort 2.1 cable is VESA certified, ensuring maximum performance for next-generation displays. It supports an ultra-high bandwidth of 80Gbps, enabling resolutions up to 16K@60Hz, 8K@120Hz, 4K@240Hz, and 2K@360Hz. It is backward compatible with DisplayPort 2.0, 1.4, and 1.2, and supports uncompressed 7.1/5.1/2.0 channel audio passthrough.

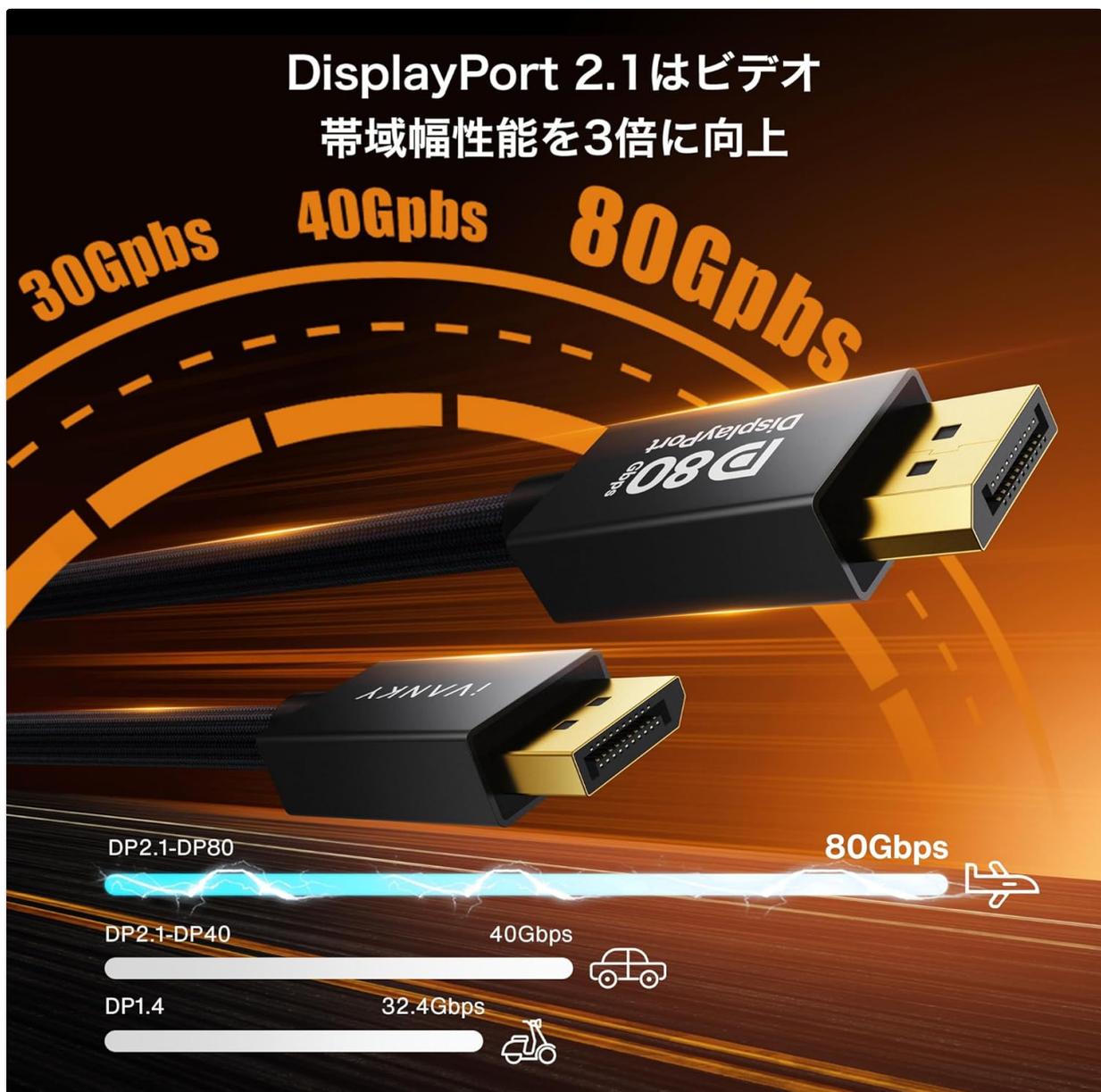


Image: DisplayPort 2.1 bandwidth performance is three times higher than previous versions, reaching 80Gpbs.

- Advanced Gaming Performance:** This 16K DisplayPort cable supports VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), and Adaptive-Sync, minimizing latency and eliminating screen tearing for smooth gameplay. It is compatible with G-Sync and FreeSync technologies and supports Dynamic HDR for vivid contrast and vibrant graphics.

16K@60Hz、8K@120Hz、4K@240Hzをサポートし、より鮮明なゲームプレイを実現



4k 60Hz



4k 240Hz

Image: The cable supports 16K@60Hz, 8K@120Hz, and 4K@240Hz, enabling clearer gameplay.

- **Durable Construction:** The cable features tinned copper conductors and multi-layer shielding to effectively block electromagnetic interference, ensuring stable signal transmission over long periods. Its nylon braided exterior offers 10 times greater durability than PVC, and 24K gold-plated connectors prevent corrosion, guaranteeing a secure connection.



Image: High-quality construction details including aluminum alloy casing, durable nylon braiding, and gold-plated connectors.

- **Wide Compatibility:** This monitor cable connects seamlessly with DisplayPort-enabled monitors, GPUs (e.g., RTX 5090, AMD RX 7900XTX high-end models), and laptops (including gaming displays from Alienware, BenQ, Odyssey series). It supports MST (Multi-Stream Transport), enabling multi-monitor workflows and enhanced productivity.

### 3. SETUP INSTRUCTIONS

1. **Identify Ports:** Locate the DisplayPort output on your source device (e.g., computer, graphics card) and the DisplayPort input on your display device (e.g., monitor, TV).
2. **Connect Cable:** Insert one end of the iVANKY DisplayPort 2.1 cable into the DisplayPort output of your source device.
3. **Secure Connection:** Insert the other end of the cable into the DisplayPort input of your display device. Ensure both connectors are fully seated and secure. The DisplayPort connectors typically have a latching mechanism; press the release button on the connector before unplugging.
4. **Power On:** Power on both your source device and your display device.
5. **Select Input:** Your display should automatically detect the signal. If not, use your display's on-screen menu

to manually select the correct DisplayPort input.

## 4. OPERATING INSTRUCTIONS

1. **Basic Operation:** Once connected, the cable will transmit video and audio signals between your devices. No additional software or drivers are typically required for basic functionality.
2. **Adjust Display Settings:** To utilize the cable's full capabilities (e.g., 16K@60Hz, 8K@120Hz, 4K@240Hz, HDR, G-Sync/FreeSync), adjust the resolution, refresh rate, and other display settings through your operating system's display settings or your graphics card's control panel.
3. **Multi-Monitor Setup (MST):** For connecting multiple monitors to a single DisplayPort output (if supported by your graphics card and monitors), configure the display modes (Extended, Mirrored, or Multi-Stream Transport) via your operating system's display settings.



Image: The cable supports various display configurations including Extended Mode, Mirror Mode, and Multi-screen Composite Mode for enhanced productivity and immersive experiences.

## 5. MAINTENANCE

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures when not in use.

- **Handling:** Avoid sharp bends, kinks, or excessive pulling on the cable to prevent internal wire damage. Always grasp the connector housing when plugging or unplugging the cable.
- **Cleaning:** Periodically clean the connectors with a dry, lint-free cloth to remove dust or debris that could interfere with signal transmission. Do not use liquid cleaners directly on the connectors.

## 6. TROUBLESHOOTING

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- **No Signal / Black Screen:**

- Ensure both ends of the DisplayPort cable are securely connected to the source and display devices.
- Verify that the correct input source (DisplayPort) is selected on your monitor or TV.
- Test the cable with another DisplayPort-enabled device or try a different DisplayPort cable to isolate the issue.
- Update your graphics card drivers to the latest version.

- **Flickering / Intermittent Signal:**

- Check the cable and connectors for any visible physical damage.
- Reduce the display resolution or refresh rate in your operating system settings to see if the issue resolves.
- Ensure your graphics card and monitor fully support the selected resolution and refresh rate.
- Route the DisplayPort cable away from power cables or other electronic devices that might cause electromagnetic interference.

- **No Audio:**

- Confirm that DisplayPort audio is enabled in your operating system's sound settings.
- Ensure your display device has built-in speakers or is connected to external audio output devices.
- Check the audio output settings on your source device to ensure DisplayPort is selected as the output.

## 7. SPECIFICATIONS

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Feature	Description
Brand	iVANKY
Model Number	VBC94
Connector Type	DisplayPort Male to Male
Cable Length	2 Meters (2M)
DisplayPort Version	2.1 (Backward compatible with 2.0, 1.4, 1.2)
Bandwidth	80Gbps
Supported Resolutions	16K@60Hz, 8K@120Hz, 4K@240Hz, 2K@360Hz
Audio Support	Uncompressed 7.1/5.1/2.0 Channel Audio Passthrough
Advanced Features	VESA Certified, DSC1.2a, HBR20, FreeSync, G-Sync, Dynamic HDR, VRR, ALLM, Adaptive-Sync, MST (Multi-Stream Transport)
Cable Material	Nylon braided jacket, Tinned copper conductors, Multi-layer shielding
Connector Material	24K Gold-plated, Aluminum alloy case
Compatible Devices	DisplayPort-enabled devices including Monitors, GPUs, Laptops, TVs, Projectors

**VESA認証の最適なパフォーマンス**  
 市場のDPケーブルのうちVESA認証されているのはわずか1%

**iVANKY VESA認証ケーブル**

- ✓ 安定性と信頼性
- ✓ 高精度な信号伝送
- ✓ VESA認証が品質を保証

**非認証ケーブル**

- ✗ 画面ちらつき
- ✗ 未検証の帯域幅
- ✗ 品質保証なし

Image: Detailed specifications for the iVANKY DisplayPort 2.1 cable, highlighting its capabilities and compatibility.

## 8. WARRANTY AND SUPPORT

iVANKY is committed to providing high-quality hardware and excellent customer support. Each iVANKY DisplayPort cable undergoes rigorous testing to meet the highest quality standards.

- **Customer Support:** A friendly support team is available to assist you within 24 hours.
- **Technical Support:** Professional technical support is provided to all customers.
- **Warranty:** Under certain conditions, customers can benefit from a customer support period of up to 54 months. Please refer to iVANKY's official website or product packaging for specific warranty terms and conditions.