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ViewSonic VPC-A31-O1 Display User Guide

Contents

ViewSonic VPC-A31-O1 Display

Product Information

The VPC-A31-O1 is a device that allows users to connect multiple devices to a single display. It has three USB 3.0 ports, an RJ45 internet connection port, HDMI in and out ports, a line-out port, a mic-in port, and a reset button. The device also comes with three Wi-Fi antennas and a screw for installation.

Product Usage Instructions

Initial Setup

To install the VPC-A31-O1:

1. Connect the device to your display using an HDMI cable.
2. Connect the device to the internet using the RJ45 port.
3. Connect any USB devices to the USB ports on the device.

Making Connections
The VPC-A31-O1 has the following connection options:

- **Network Connection:** Connect the device to the internet using the RJ45 port.
- **USB Connection:** Connect any USB devices to the USB ports on the device.

Using the Device

To use the VPC-A31-O1:

1. Select an input source by pressing the corresponding button on the device (IFP Series, CDE Series, or IFPG1 Series).
2. If using the HDMI input, connect it to a PC or other device with HDMI output.

3. If using the line-out port, connect it to headphones or speakers.

4. If using the mic-in port, connect a microphone.

PRODUCT Appendix

For more information on the VPC-A31-O1, refer to the specifications and regulatory information in the appendix of the user manual.

IMPORTANT: Please read this User Guide to obtain important information on installing and using your product in a safe manner, as well as registering your product for future service. Warranty information contained in this User Guide will describe your limited coverage from ViewSonic® Corporation, which is also found on our web site at **http://www.viewsonic.com** in English, or in specific languages using the Regional selection box of our website. Model No. VS19699 P/N: VPC-A31-O1

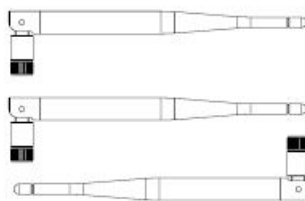**Thank you for choosing ViewSonic®**
As a world-leading provider of visual solutions, ViewSonic® is dedicated to exceeding the world's expectations for technological evolution, innovation, and simplicity. At ViewSonic®, we believe that our products have the potential to make a positive impact in the world, and we are confident that the ViewSonic® product you have chosen will serve you well. Once again, thank you for choosing ViewSonic®!
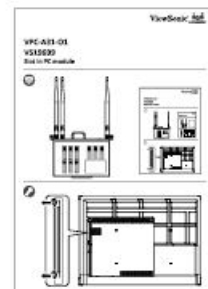
Introduction
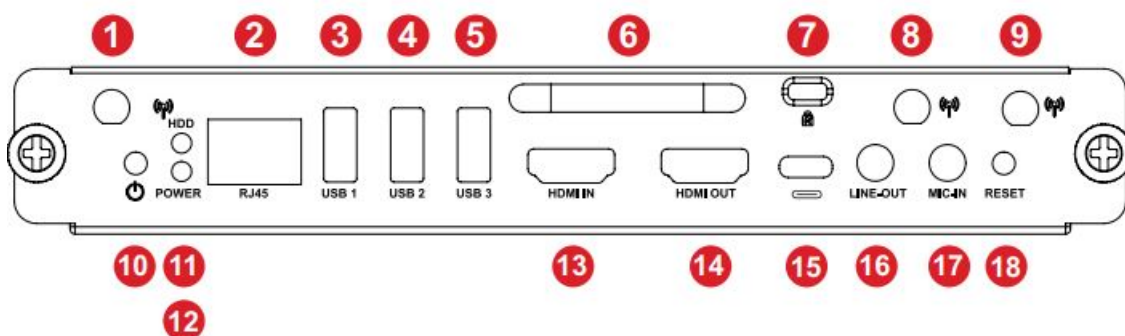
Package Contents
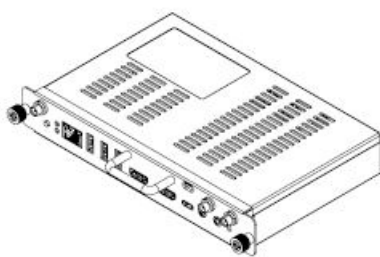
VPC-A31-O1
(with screw x 2)   Antenna x 3   Quick Start Guide

NOTE: If anything is missing or damaged, please contact your local reseller for more information.

Product Overview

Number	Item	Description
1	Antenna	Wi-Fi antenna interface
2	RJ45	Standard RJ45 (10M/100M/1G) internet connection port **NOTE:** This network port is only used for PC.
3	USB 1	USB 3.0 port
4	USB 2	USB 3.0 port
5	USB 3	USB 3.0 port
6		Handle
7		Security lock
8	Antenna	2.4G antenna interface
9	Antenna	Wi-Fi antenna interface
10		Power button
11	Status LED	Status indicator light (Green)<table><tr><th>Mode</th><th>Description</th></tr><tr><td>Standby</td><td>Indicator light is off</td></tr><tr><td>On</td><td>Green indicator light is always on</td></tr></table>
12	Power LED	Power indicator light (Red)<table><tr><th>Mode</th><th>Description</th></tr><tr><td>Standby</td><td>Indicator light is off</td></tr><tr><td>On</td><td>Red indicator light is flashing</td></tr></table>
13	HDMI IN	HDMI input. Connect to a PC or other device with HDMI output.
14	HDMI OUT	Extend content out to another display device.
15		USB Type C input (Data only; 5V/0.9A charging)
16	LINE-OUT	Audio out for connected headphones or speakers.
17	MIC-IN	Microphone connection
18	RESET	Reset button

Initial Setup

Installing the VPC-A31-O1

1. Remove the slot-in PC cover of the display.
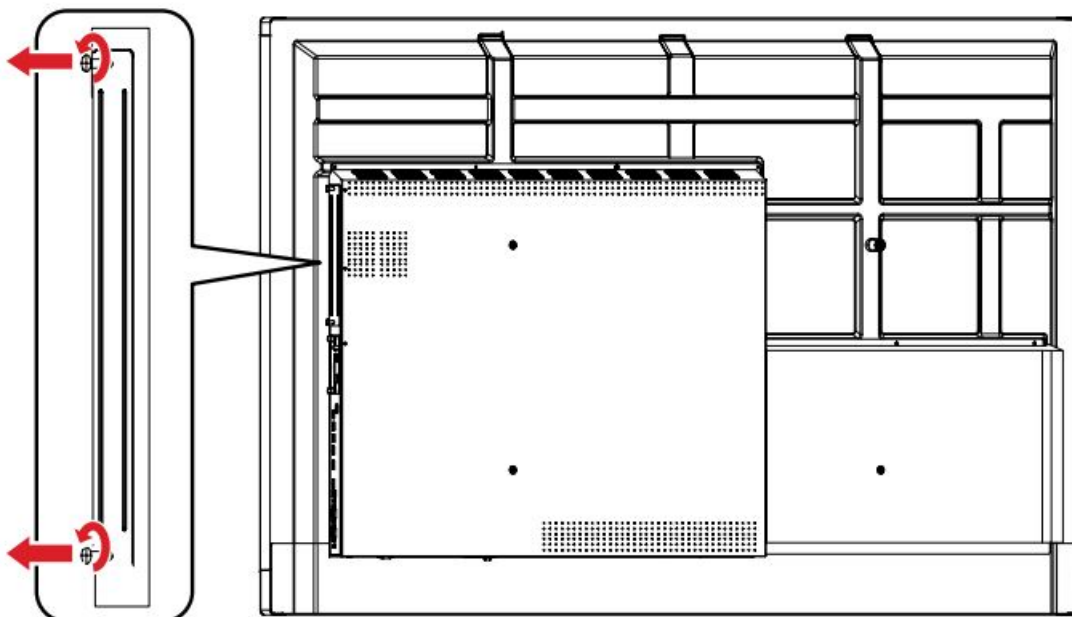
2. Using the handle of the VPC-A31-O1, carefully insert it into the PC slot of the display.
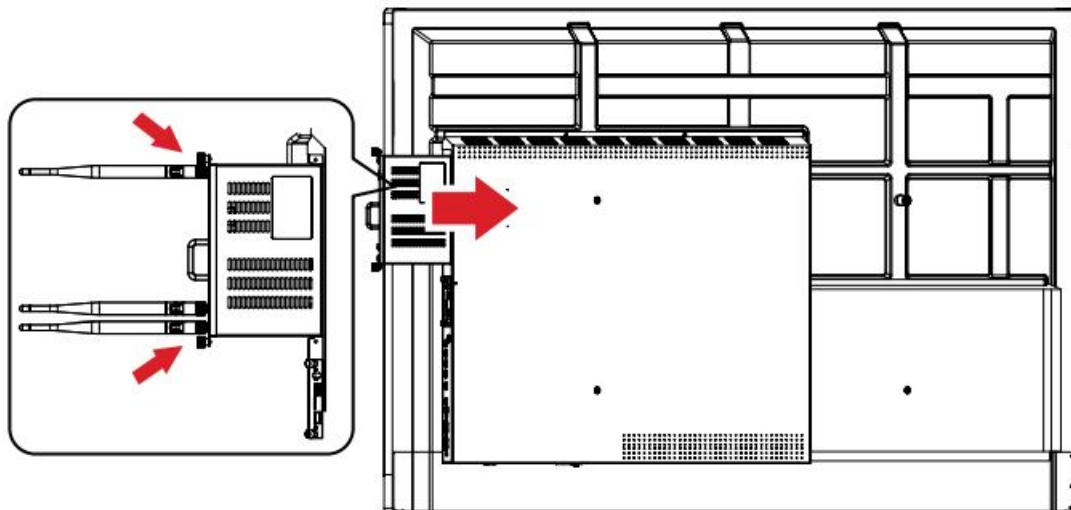
3. Secure the VPC-A31-O1 to the display with the two (2) included screws.

NOTE: Please note that the three (3) antennas must be installed on the VPC- A31-O1.

Making Connections

Network Connection

To connect to the Internet or a network, connect one end of a RJ45 cable to the RJ45 port of the VPC-A31-O1, then connect the other end to your network.
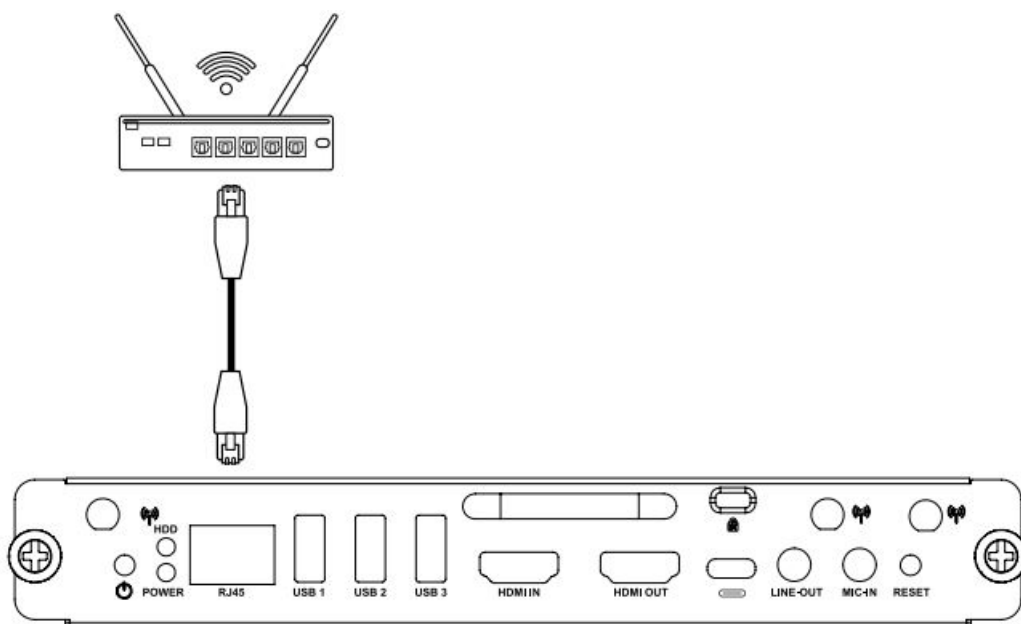
USB Connection

USB peripherals such as keyboards, mice, storage devices, etc. can be connected to the VPC-A31-O1's USB 1, USB 2, or USB 3 port.
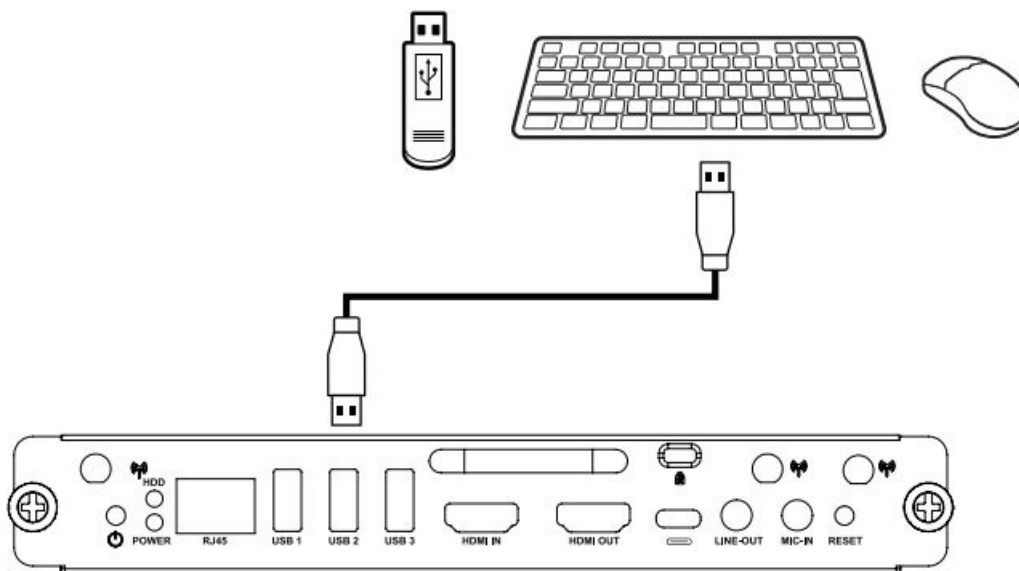
Using the Device

Selecting an Input Source

IFP Series
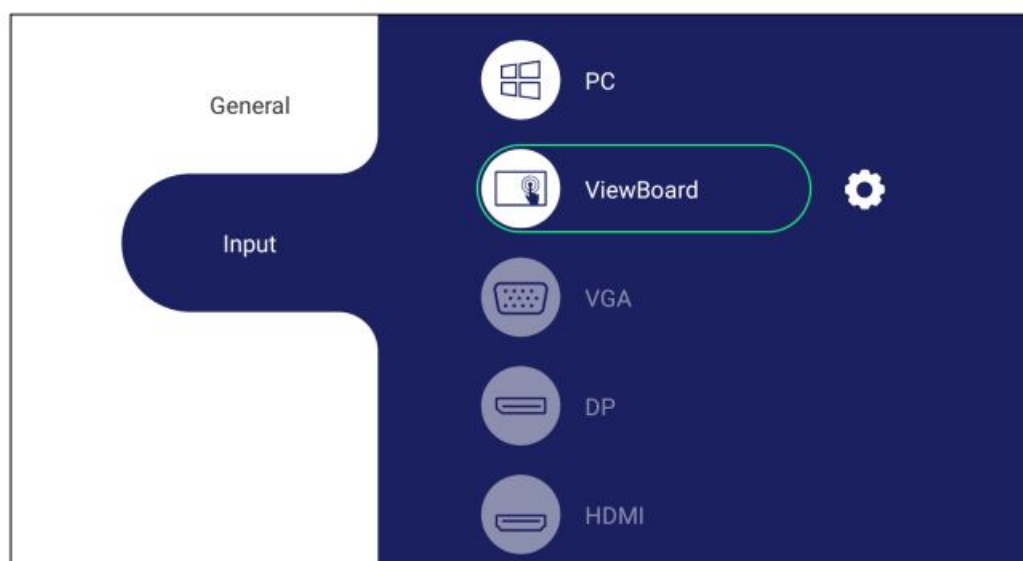
To select an input source:

1. Press **INPUT/** ⊡ on the remote control, press the setting button on the front panel, or press the Settings icon from the toolbar to display the Input Settings menu.
2. Press ▼/▲/◄/► on the remote control to select the PC source.
3. Press OK/ENTER on the remote control, or touch the input source directly.
4. Press **EPG/BACK/** ↰ on the remote control, or touch a blank area outside of the menu to exit.

NOTE: The above image is for reference only and is subject to change without notice.

CDE Series
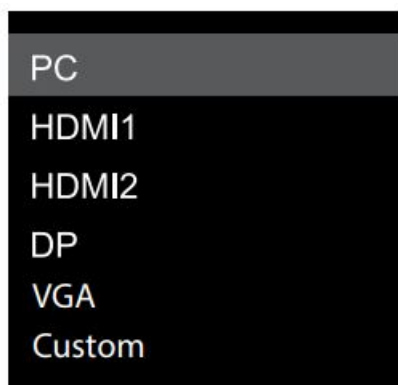
To select an input source:

1. Press **INPUT/** on the remote control.

2. Press ▼/▲ on the remote control to select the PC source.

3. Press OK/ENTER on the remote control.

4. Press on **EPG/BACK/** the remote control to exit.

NOTE: The above image is for reference only and is subject to change without notice.
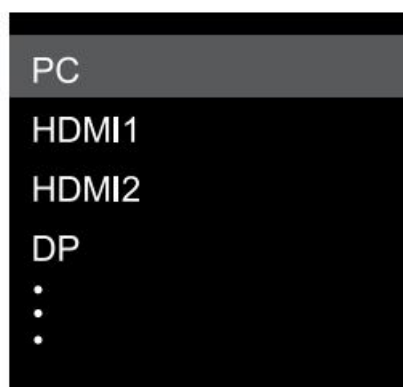
IFPG1 Series
To select an input source:

1. Press INPUT/ on the front panel.

2. In the OSD Menu, touch INPUT.

3. Touch the PC input source directly.

4. Touch a blank area outside of the menu to exit.

NOTE: The above image is for reference only and is subject to change without notice.

Appendix

Specifications

Category	Item	Specifications
Core	CPU	MediaTek MT8195
Graphic	Chipset	GPU: Mali G57 MC5 NPU: 4.8Tops
Memory	Memory	Slot type: LP-DDR4x Size: 8GB
I/O	Ports	1 x HDMI IN (v. 2.0, 4K@60Hz)1 1 x HDMI OUT (v. 2.0, 4K@60Hz)1 1 x RJ45 (LAN) 3 x USB 3.0 Type A 1 x USB 3.0 Type C (Data only, no PD support, 5 V/900mA) 1 x Analog audio-in(3.5 mm, mic-in) 1 x Analog audio-out (3.5 mm) 3 x Antenna
Physical	Dimensions (mm)	200 x 118 x 30 mm
	Dimensions (in.)	7.87" x 4.65" x 1.18"
	Weight (kg)	0.75 kg
	Weight (lbs.)	1.65 lbs.
Operating Conditions	Altitude	< 5000 m
	Humidity	10% ~ 90% (non-condensing)
	Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Conditions	Altitude	< 5000 m
	Humidity	10% ~ 90% (non-condensing)
	Temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Power	Voltage	12~19V DC
	Consumption	35W

Category	Item	Specifications
	Form Factor	Wi-Fi 6 (IEEE 802.11 a/b/g/n/ac/ax Wi- Fi 2T/2R +)
		Bluetooth 5.2 (V2.1/4.2/5.2 USB2.0/3.0 Module)
Wi-Fi Module		Typical RF Output Power at each RF chain, at a room temperature of 25°C (77°F)
		2.4G • 14±2dBm VHT20 at MCS0~7
		• 13±2dBm VHT20 at MCS8~9
	Frequency Range and Outpu t Power (Max.)	• 14±2dBm VHT40 at MCS0~7 • 13±2dBm VHT40 at MCS8~9
		5G • 14±2dBm VHT20 at MCS0~7
		• 13±2dBm VHT20 at MCS8~9
		• 14±2dBm VHT40 at MCS0~7
		• 13±2dBm VHT40 at MCS8~9
		• 13±2dBm VHT80 at MCS0~9

FCC STATEMENT

Compliance Information
This section addresses all connected requirements and statements regarding regulations. Confirmed corresponding applications shall refer to nameplate labels and relevant markings on the unit.

FCC Compliance Statement
This device complies with part 15 of 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. 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.

Warning: You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Industry Canada Statement

- FCC ID: GSS-VS19699
- IC ID: 4280A-VS19699
- CAN ICES-003(B) / NMB-003(B)

CE Conformity for European Countries

The device complies with the EMC Directive 2014/30/EU, Low Voltage Directive 2014/35/EU and Radio Equipment Directive 2014/53/EU.

The following information is only for EU-member states:
The mark shown to the right is in compliance with the Waste Electrical and Electronic Equipment Directive 2012/19/EU (WEEE). The mark indicates the requirement NOT to dispose of the equipment as unsorted municipal waste, but use the return and collection systems according to local law.

Declaration of RoHS2 Compliance
This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium ($Cr6^+$)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%
Bis(2-ethylhexyl) phthalate (DEHP)	0.1%	< 0.1%
Butyl benzyl phthalate (BBP)	0.1%	< 0.1%
Dibutyl phthalate (DBP)	0.1%	< 0.1%
Diisobutyl phthalate (DIBP)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:

- Copper alloy containing up to 4% lead by weight.
- Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).

- Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.
- Lead in dielectric ceramic in capacitors for a rated voltage of 125V AC or 250V DC or higher.

Indian Restriction of Hazardous Substances
Restriction on Hazardous Substances statement (India). This product complies with the "India E-waste Rule 2011" 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. Product Disposal at End of Product Life ViewSonic® respects the environment and is committed to working and living green. Thank you for being part of Smarter, Greener Computing. Please visit the ViewSonic® website to learn more.

USA & Canada:
https://www.viewsonic.com/us/go-green-with-viewsonic

Europe:
https://www.viewsonic.com/eu/go-green-with-viewsonic

Taiwan:
https://recycle.epa.gov.tw/

Copyright Information

Customer Service
For technical support or product service, see the table below or contact your reseller.

NOTE: You will need the product's serial number.

Country/ Region	Website	Country/ Region	Website
Asia Pacific & Africa			
Australia	**www.viewsonic.com/au/**	Bangladesh	**www.viewsonic.com/bd/**
(China)	**www.viewsonic.com.cn**	( )	**www.viewsonic.com/hk/**
Hong Kong (English)	**www.viewsonic.com/hk-en/**	India	**www.viewsonic.com/in/**
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Documents / Resources

ViewSonic VPC-A31-O1 Display [pdf] User Guide
VS19699, P-N VPC-A31-O1, VPC-A31-O1 Display, VPC-A31-O1, Display

References

- **ViewSonic**

- 🖾 **ViewSonic China | ViewBoard, LED LCD   ,   ,**
- 🖾 **ViewSonic Australia | ViewBoards, Monitors, and Visual Solutions**
- 🖾 **ViewSonic Bangladesh | ViewBoards, Monitors, and Visual Solutions**
- 🖾 **ViewSonic Germany | ViewBoards, Monitors, and Visual Solutions**
- 🖾 **ViewSonic Spain | ViewBoards, Monitors, and Visual Solutions**
- 🖾 **ViewSonic Europe | ViewBoards, Monitors, and Visual Solutions**
- 🖾 **Solution ViewBoard, Écrans PC, Vidéoprojecteurs | ViewSonic France**
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