ViewHD-U3

USB 3.0 to HDMI 2048 X 1152 adapter



User's Manual

FEDERAL COMMUNICATIONS COMMISSION

This device complies with Part 15 of the FCC Rules Operation is subject to the following two conditions: 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 radiated radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no grantee 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 tuning 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.

Notice: Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

CE DECLARATION

This device complies with CE . These limits are designed to provide reasonable protection against harmful interface in a residential installation.

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1.1 Introduction

USB 3.0 to HDMI adapter allows you connect an extra HDTV/monitor to your desktop or notebook computer via USB port. Support max resolution up to 2048x1152 video and 6 ch audio regardless your computer display card resolution and Audio card.
The connected TV/monitor can be configured to either primary screen, mirror or extend the Windows desktop which include the visibility of more applications at the same time.

1.2 Features

- Easily connect to HDMI TV display via USB 3.0/USB 2.0 port.
- Delivers smooth high-resolution video up to 2048 x 1152 (16:9) & 1920 x 1200 (16:10) and stereo/6CH audio.
- High-performance Super Speed 5Gbps transmission
- Compatible with all Ultra book / Notebook/Desktop computers.
- Plug & Play; Easy installation and operation.
- Mirror, Extend and Primary a computer display workspace.
- Support rotation (Normal/Left/Right/Upside-Down) function control.
- Support left, right, up and down extend display.
- Works seamlessly with Windows 8 / 7 / Vista / XP operating systems.
- No external power supply needed.

1.3 Specifications

- USB 3.0/2.0 specification compliant.
- HDMI 1.3 specifications compliant.
  - Video : Supports pixel rates up to 225MHz,
    resolution up to 2048 x 1152 (16:9) & 1920 x 1200 (16:10)
  - Audio : Supports 2 channels (Stereo) / 6 channels audio.
- Connectors:
  - USB 3.0 TYPE-A male
  - HDMI Type A female
- Dimensions: 86.5 x 48 x 19 mm (excluding cable)

1.4 System Requirements

- Windows 8 X86/64 / 7 X86/64 / Vista X86/64 / XP X86
- Equipped USB 3.0/2.0 Ultrabook/Notebook/Desktop computer
- Display device with HDMI input (e.g. TV/Monitor/Projector)
- HDMI cable (at least equipped one A-Type plug)
- CD-ROM drive (For software installation)

1.5 Package Contents

- ViewHD-U3 device (USB3.0 to HDMI) x 1
- Driver / Manual CD x 1
- Quick Installation Guide x 1

1.6 Application

- Mirror mode (e.g. Presentation)



- Extend mode (e.g. Play audio/video)



2.1 Driver Installation

2.1.1 Please insert "Multimedia Installation Kit" CD-ROM into your CD-ROM drive; AutoRun will running. (if AutoRun didn't run, please go to "My Computer", click CD-ROM drive)

2.1.2 Select "ViewHD-U3" product.

2.1.3 Select "Device Driver"

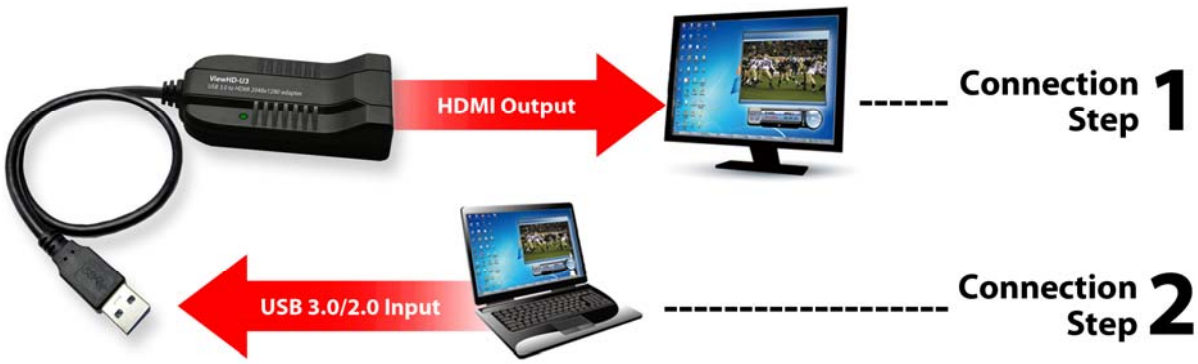
2.1.4 Setup wizard is running.

2.1.5 License Agreement, if you are agreeing to be bound by the terms of this agreement, please click "I Accept".

2.1.6 Setup wizard will be completed automatically.

2.2 Hardware Installation

NOTE: Please follow the steps to connect HDMI and USB.

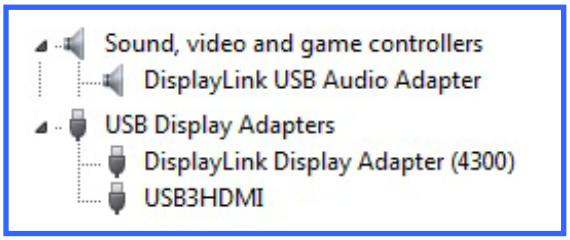


2.2.1 HDMI: Connect 2nd monitor with HDMI cable to ViewHD-U3 HDMI port.

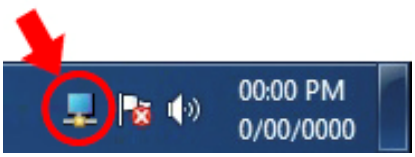
2.2.2 USB: Connect USB to your computer's USB 3.0/2.0 port.

2.2.3 System will now automatically detect new hardware.

2.2.4 Please check the Device Manager, ViewHD-U3 driver is installed successful in your computer.



2.2.5 After the driver is installed correctly, you should now see the following icon on your notification area.

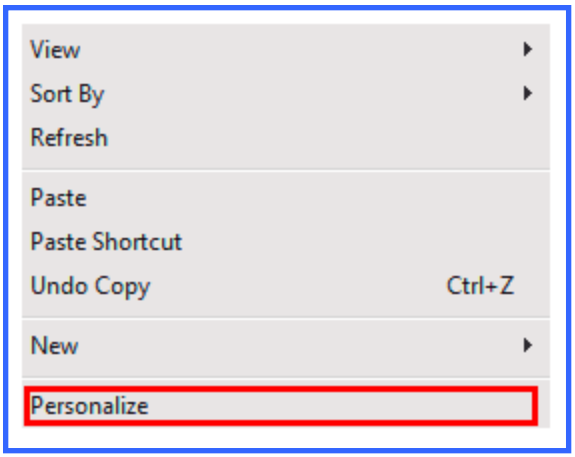


To access the menu, Please click the icon.

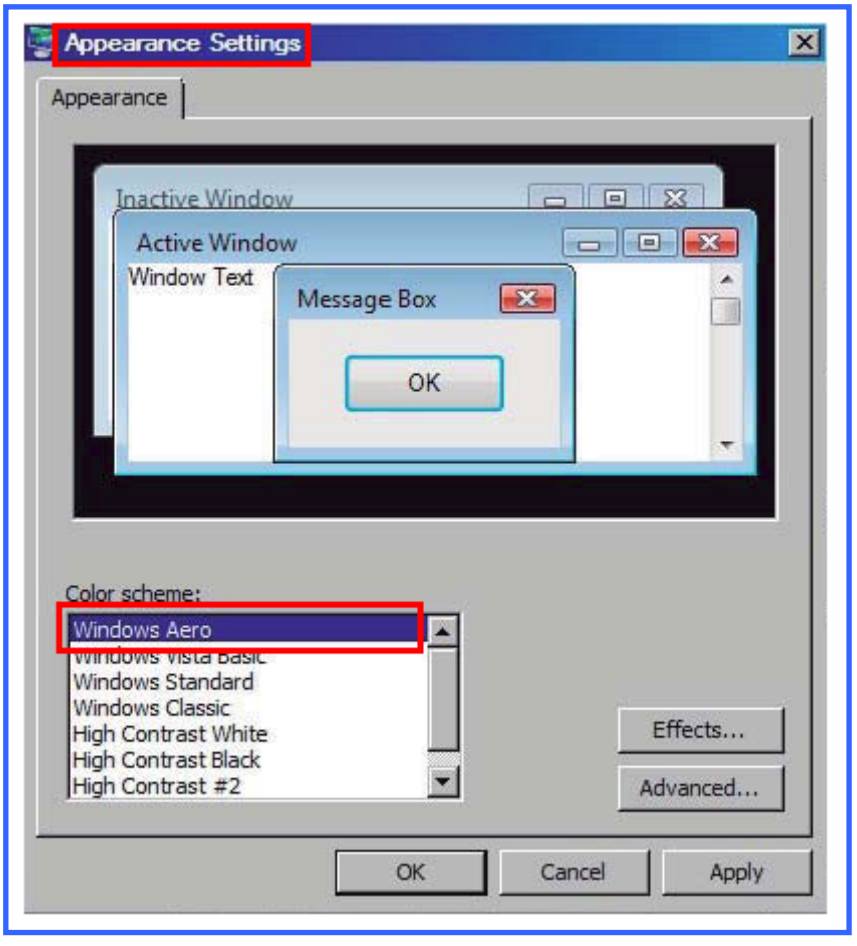
Note: For the best performance when using ViewHD-U3 with Windows Vista / 7 / 8 operating platform, it is recommended to use the Aero desktop theme.

To set the Windows Vista / 7 / 8 desktop to the Aero theme:

1. Right click the desktop and select Personalize.



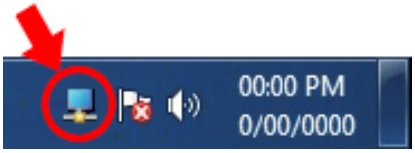
2. In the Control Panel > Personalization screen, select Windows Color and Appearance

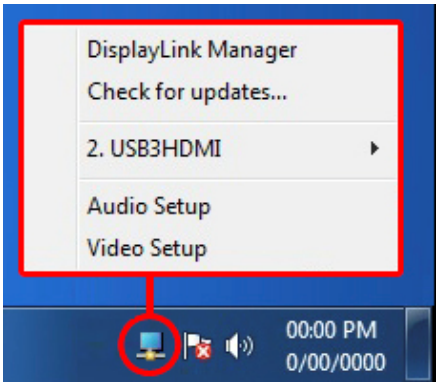


3. Select Windows Aero from the Color scheme list, click OK to save the new setting.

3.1 Starting

To access the menu, click the icon on your notification area. This utility allows you to quickly change the settings and resolution of your ViewHD-U3.





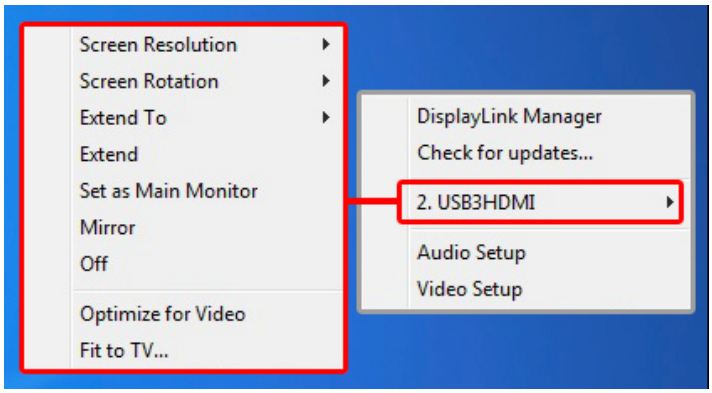
3.2 DisplayLink Manager

Go to Windows operating system Display Properties.

3.3 Check for update

Check and update the latest software.

3.4 USB3HDMI



Screen Resolution

In Set as Main Monitor and Extended mode, you can change the display resolution.

Screen Rotation

You can use the Rotation function to change the display degree.

Extend To

In the Extend mode, you can extend screen to Right / Left / Above / Below.

Extend

This setting will extend your desktop from your main display onto the secondary.



Extended Function Application

A: Double Display

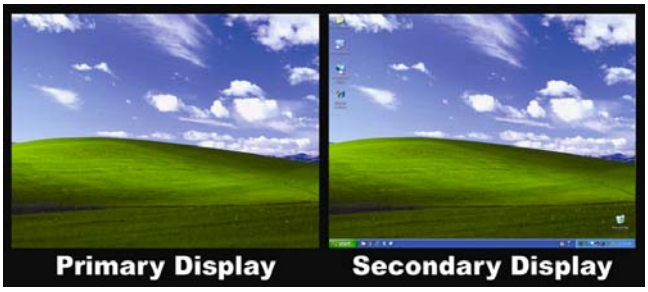


B: Screen Wall



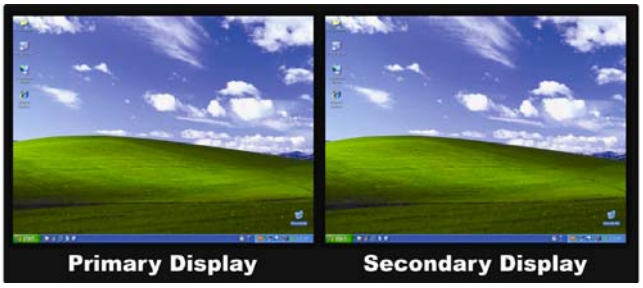
Set as Main Monitor

Your main display (monitor) will automatically switch to being the secondary display and show the extended desktop.



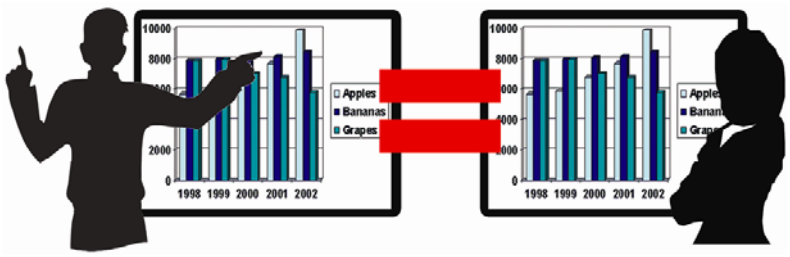
Mirror

This setting will mirror the image from your main display onto the secondary display. Your main display and the extended display will show the same image.



Mirror Function Application

e.g. Education



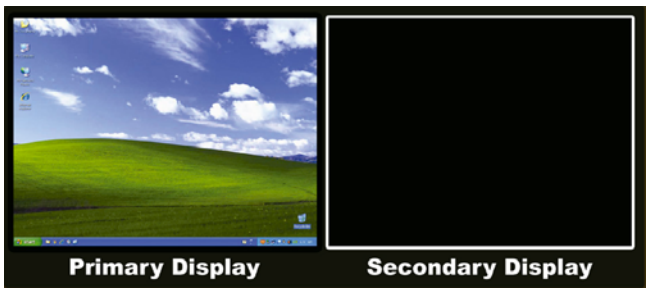
Multiple Display



Note: In the Mirror mode, Screen Resolution and Color Quality functions will be disabled. Those two functions depend on the primary screen display settings, you can go to Advanced->Display to change.

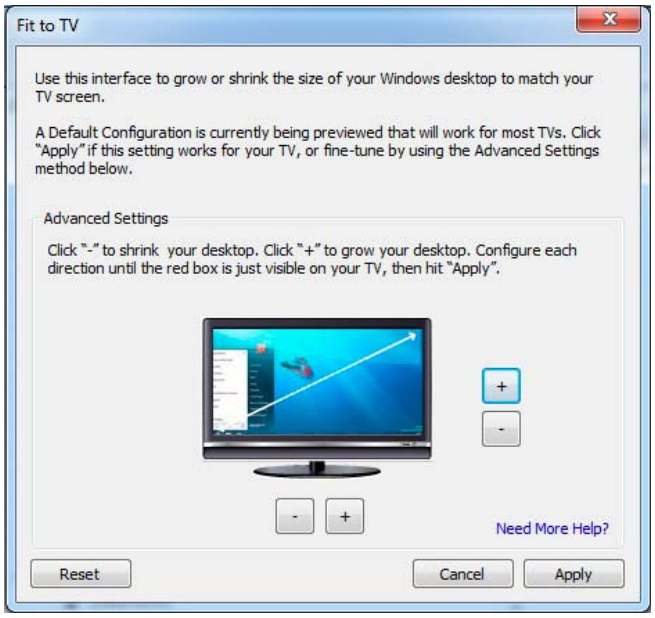
Off

Disable screen extend function.



Fit to TV

If the Windows desktop does not completely appear on the TV, this option can be used to adjust the size of the Windows desktop.



Note: Fit to TV only works in extend mode. If choosing the option while in mirror mode, the secondary screen will change to extend and be placed above the laptop screen in Windows Display Properties. Fit to TV does not support rotated modes.

You will also see a red border on the extended screen.



The red border shows the size of the new Windows desktop. Use the “+” and “-” controls on the Fit to TV advanced settings to change the size of the red border until it fits on the TV screen.

Note: Finer configuration of the size of the border can be achieved by holding down the CTRL key and clicking the “+” and “-”.

Once the red border is at the edges of the TV screen, click “Apply” to resize the Windows desktop.

Notebook Monitor Off

Switches off the display of an attached notebook and makes the extended screen display primary.

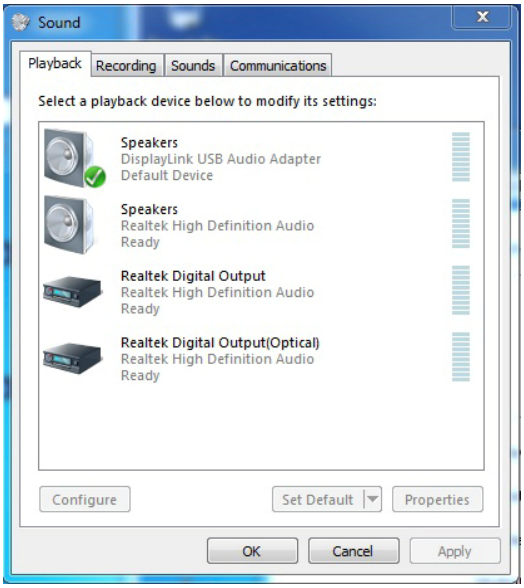
Optimize for Video (Windows Vista and 7 / 8 Only)

Optimize for the video you are showing.

Note: Text may appear less clear when enabled.

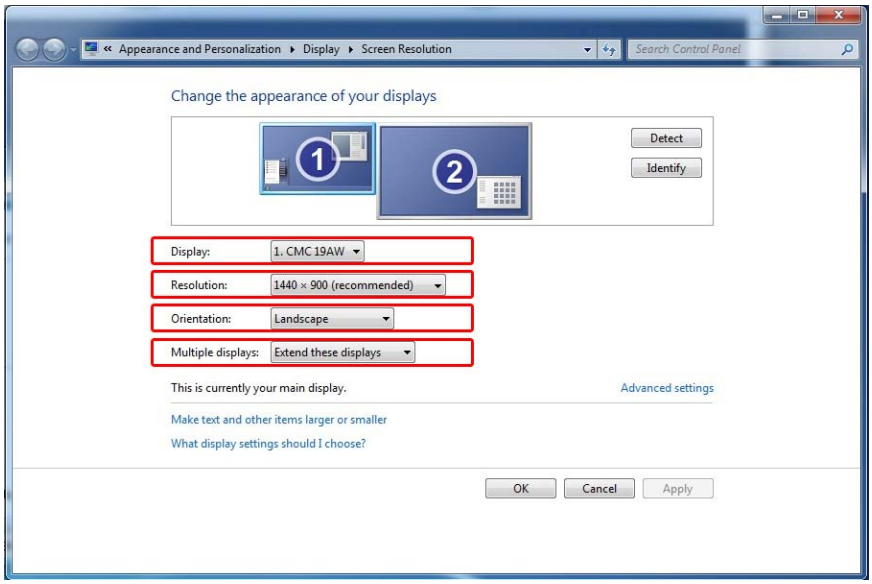
3.5 Audio Setup

Go to Windows operating system Audio Properties.



3.6 Video Setup

Go to Windows operating system Display Properties.



Display

Display detected information.

Resolution

You can change the display resolution.

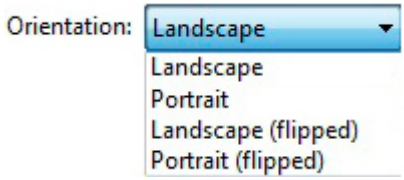
Orientation

Use this function to change the display Orientation you are selected.

Select a monitor



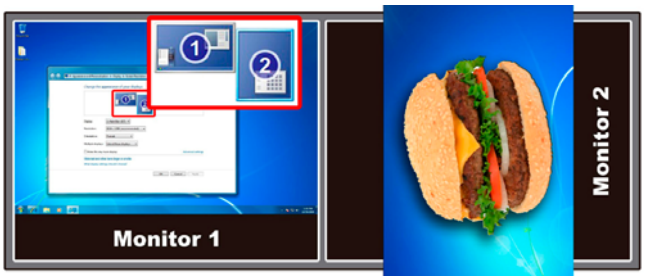
Select the Orientation



Landscape



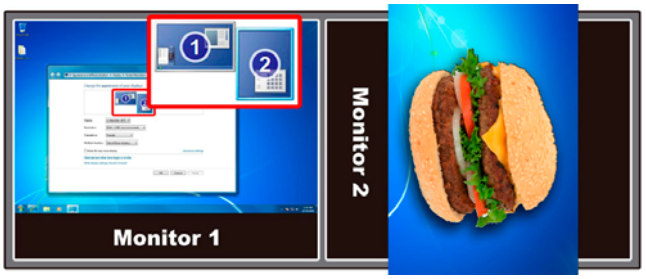
Portrait



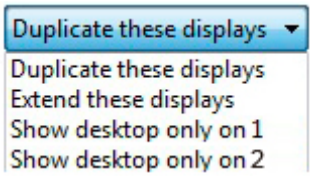
Landscape (flipped)



Portrait (flipped)



Multiple displays



Duplicate these displays:

This setting will duplicate the image from your main display onto the secondary display. Your main display and the extended display will show the same image.



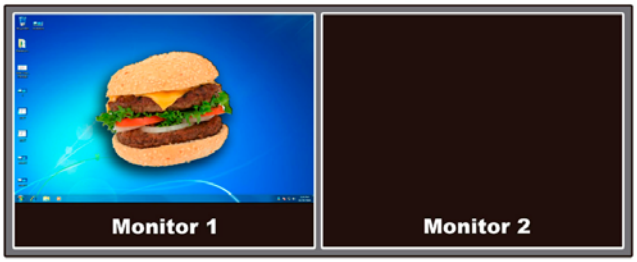
Extend these displays:

This setting will extend your desktop from your main display onto the secondary.



Show desktop only on 1:

Disable monitor 2



Show desktop only on 2:

Disable monitor 1



Note: After the setting please remember to click “Apply” and “OK” before you quit.

Q1: Why do I need Fit to TV?

A1: If using ViewHD-U3 to connect to a TV, all of the Windows desktop may not be available. This is because TVs can use overscan, which prevents the edges of the image to be visible. When showing a Windows desktop, overscan prevents the edges of the screen being visible, which can hide the task bar and icons.

Q2: I am unable to make the ViewHD-U3 primary display!

A2: Some video cards ship their product with a utility that prevents other video cards from being set as the primary card. Check the bottom right hand corner taskbar for this utility and disable it before switching the ViewHD-U3 to the primary display.

Q3: Why won't my DVD player work when I move it over to the extended display?

A3: Some DVD playback software packages do not support playing on a second display adapter of any kind.

Q4: How come my video will not play on Media Player if I move it over to the extended desktop?

A4: Check that you have moved the Media Player window completely over to the second screen.

Q5: Why does my mouse not move to the right side of the screen as it should on the extended desktop?

A5: Check the display settings and make sure that your display number '2' is on the right side of display number '1'. You can rearrange how Windows treats each display in relation to each other in the Display Properties Settings.

Q6: There are horizontal lines covering the displayed image

A6: This is due to a low refresh rate setting. You can change this in:
Display Properties->Settings->Advanced->Monitor. Make sure that you have selected the DisplayLink device first, and do not exceed the refresh rate limitations of the monitor. Reset, or resynchronize the monitor may also help. For further details on how to reset or resynchronize your monitor, please refer to the documentation that was included with your monitor purchase.

Q7: Why the performance is bad while playback media files and DVDs?

A7: The ViewHD-U3 can display media files and DVDs by using most media players, but media playback in mirror mode (XP) or in Basic mode (Vista and Windows 7 / 8) is not recommended.
In other words, you should playback media files and DVDs in extend mode (XP) or in Aero theme (Vista and Windows 7 / 8)