Mviewer operation manual

Multiple views, multiple lives

1 Specifications

System

Maximum input video pixel frequency:	330MHz
Maximum output video pixel frequency per interface:	165MHz
Maximum input resolution:	5040x1050@60Hz
Video input connector:	DVI-D supports Dual-link DVI
Video output connector:	3XDVI-I connector with DVI2VGA converters (optional).
Power supply:	5V/2A (AC/DC converter)
Dimensions (approx.):	160 x 130 x 20 mm (6 1/3 x 5 1/9 x 4/5 in.)
Weight:	430g
Operating temperature:	32° ～104℉ (0℃~ 40℃)
Storage temperature:	-4° ～140℉ (-20℃~ 60℃)

Accessories:

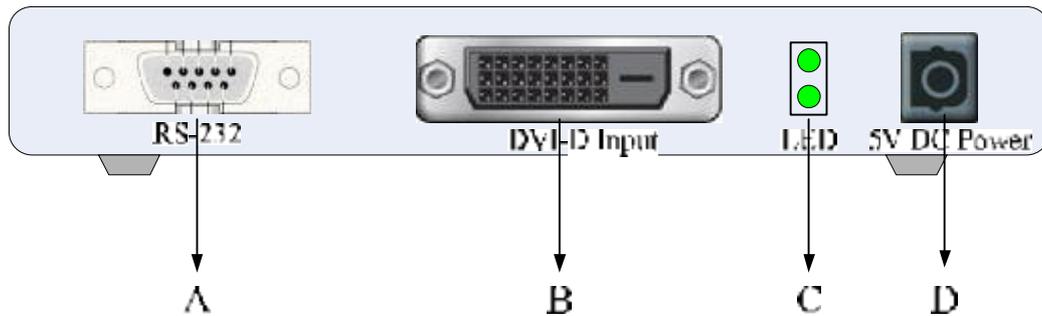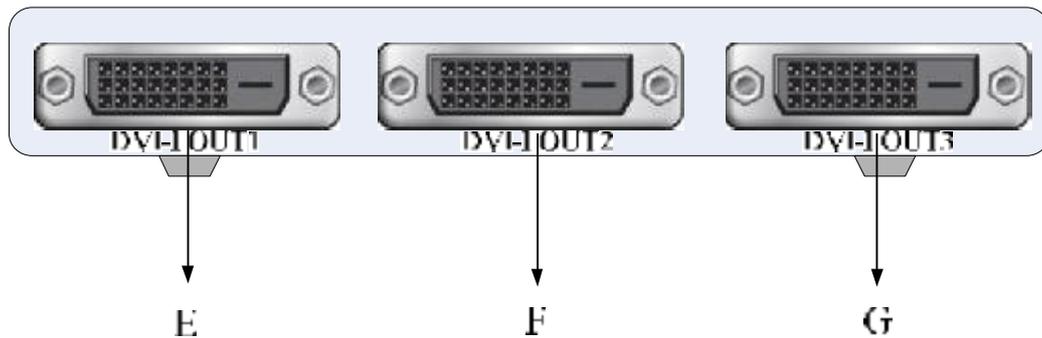|	
RS-232 cable	1
5V/2A AC-DC power adapter (AC100V~240V, 50-60Hz):	1
Dual-link DVI Cable:	1
Customization tool CD	1

2 Description

Figure 1 Front panel

Figure 2 Back panel

A – RS-232 communication port, the Mviewer-customer tool can configure the MV103-HDVE PRO through this interface.

B – DVI-D type input interface，connect to the dual-DVI output interface of PC graphic card.

C – LEDs，for power on indication and working status indication.

D – 5V DC power socket.

E, F, G – Three DVI-I type output interface to the monitors / TV. Supports both VGA and digital outputs, maximum video pixel rate is 165MHz.

3 Operation guide

3.1 Hardware installation for 3-screen application
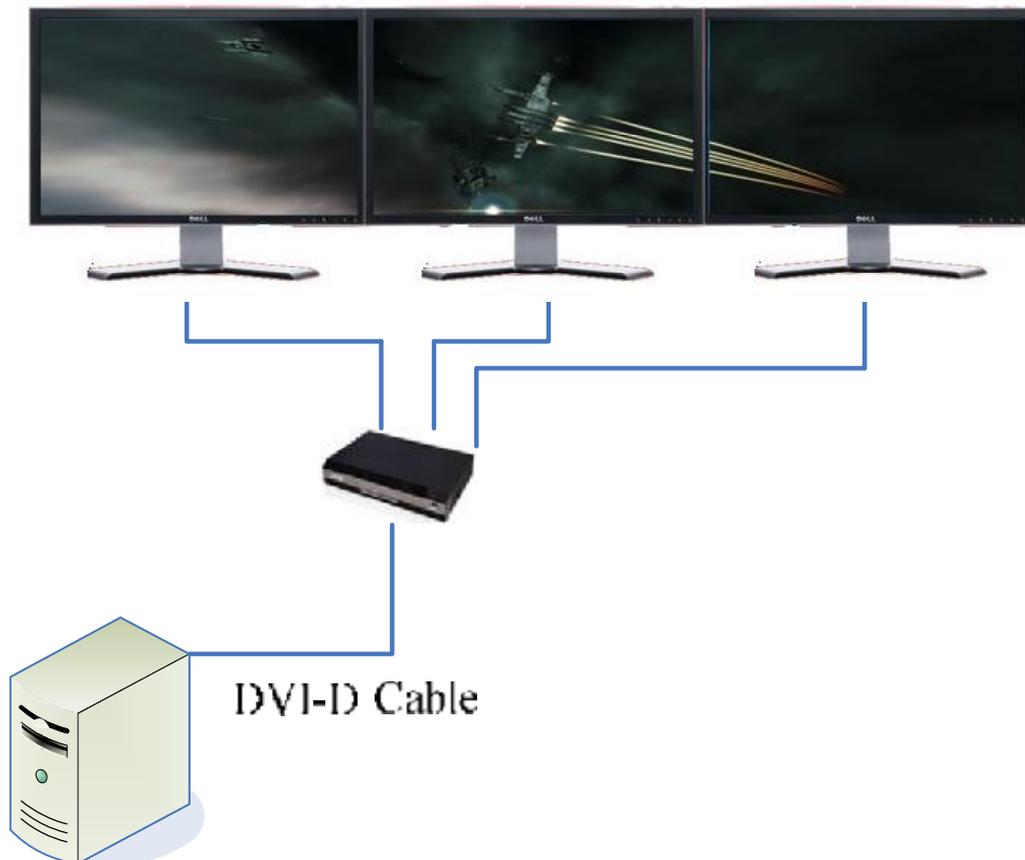

Figure 3 Typical application of Triple-monitors wide screen

To use single MV103-HDVE PRO for 3-monitors wide-screen application, following the steps below:

1. Connect the DVI-D input interface B (refer to **Figure 1** on page 2) to PC graphic card with the DVI cable that comes as the accessory.

2. Connect the three outputs DVI-I interface E, F, G (refer to **Figure 2** on page 2) to three monitors through DVI cables. If the monitor you are using doesn't support DVI input, please check following items:

   a) If the monitor supports HDMI, use a DVI-HDMI passive dongle or DVI-HDMI converter to convert the cable and connect to the monitor.

   b) If the monitor only supports D-SUB (VGA) interface, use a DVI-VGA converter and connect to the monitor via VGA cable, MV103-HDVE PRO will automatically

       detects the DVI/VGA connection and output signals correctly.

3. Turn on your computer, the PC operating system will output the resolution of 3840x1024 to MV103-HDVE PRO, and MV103-HDVE PRO will split it to 3 screens. The status LED will light on in this case.

4. To change resolution, in windows environment, use the following display property dialog-box.
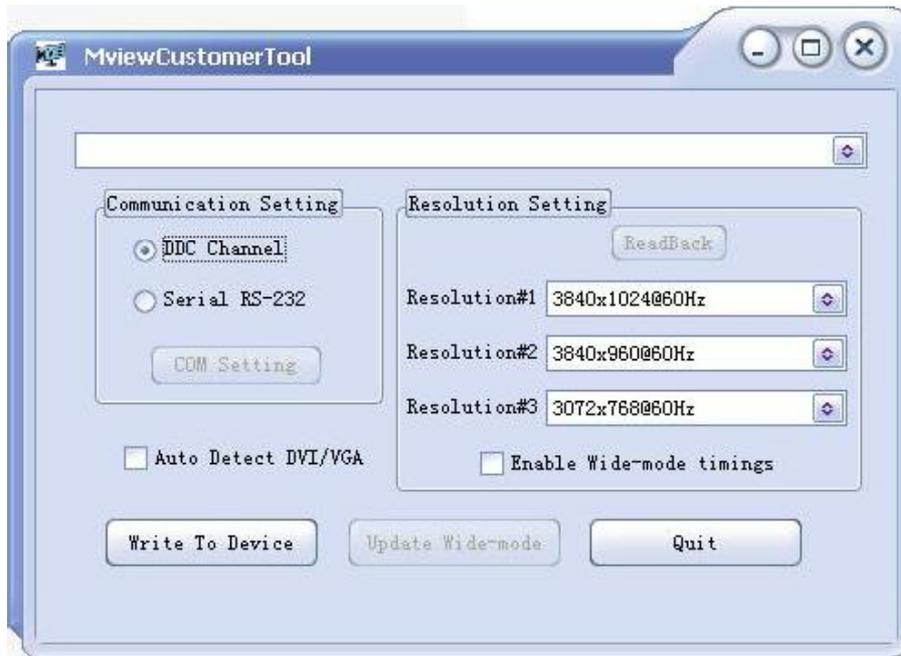

3.2　Customization tool

The customization tool provides way for user to change, add or delete resolutions that the MV103-HDVE PRO can support in the Windows Operation System.

To use the tool, install it first and then follow the steps described below:

1. Start the MviewCustomerTool as following figure shows.

2. Select one of the Communication settings, it uses DDC channel in DVI-cable by default. If the DDC channel doesn't work, connect the RS-232 cable and select Serial RS-232.

3. Select resolutions for the system. There are 3 list boxes for customers to select 3 resolutions. The "enable wide-mode timings" option is for customers to enable non-VESA EDID timings; MV103-HDVE PRO supports these 60Hz wide-mode timings: 4098x768, 4200x1050, 4320x900 and 5040x1050.

4. Click "Write to Device" button if you have made changes in any of the three list boxes, or click "Update Wide-mode" if you want to install those wide-mode timings only.

5. Restart your PC after update.

Appendix – Safety instructions

Power supply----
     Use the AC-DC power that comes as the accessory to power the MV103-HDVE PRO. Never use other vendor's power supply.

Cable -----
  Please use the cables that comes as accessory as input cable to PC graphic card. Use the output cable that comes with your monitor as the output cable.

Hot-plug ---
     Avoid hot-plug. Hot-plug may damage your monitor or PC graphic card.

Monitor ----
     Don't force the resolution that doesn't support by your monitor. Otherwise the monitor will be damaged.

Heat dissipation ---
     Don't block the heat dissipation holes at two sides of the box.

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