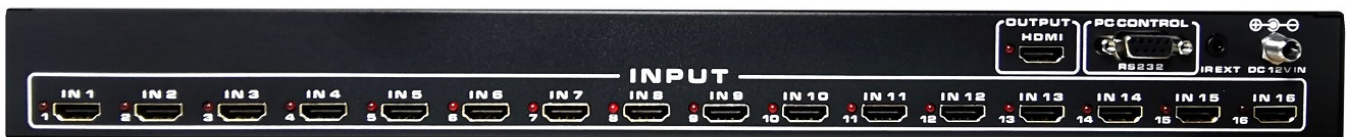


Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher



This product is a high performance 16 by 1 Multi-Viewer with seamless switcher. It supports sixteen High definition input source display on one screen. As a switcher, it can also seamlessly switch the sixteen HD input freely. The product can be controlled by various ways, through the front panel button control, IR control, RS232 control etc.

Features:

- Compliant with HDMI 1.3a, HDCP 1.2
- Supports multiplexed HDMI 16-input and 1-output
- Supports up to 1080p High Definition resolution
- Support 16by1 Quad Multi-viewer and seamless switch
- Support Upscale / Downscale function

Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher

- Support multi output resolution
- Support digital audio format LPCM/AC3/DTS
- Support button, IR Remote,RS232 etc various controlled ways;

Package Includes:

1x HDMI 16x1 Multi-Viewer
 1x 12V/5A DC power adaptor
 1x RS232 Cable
 1x Operation Manual

Specifications:

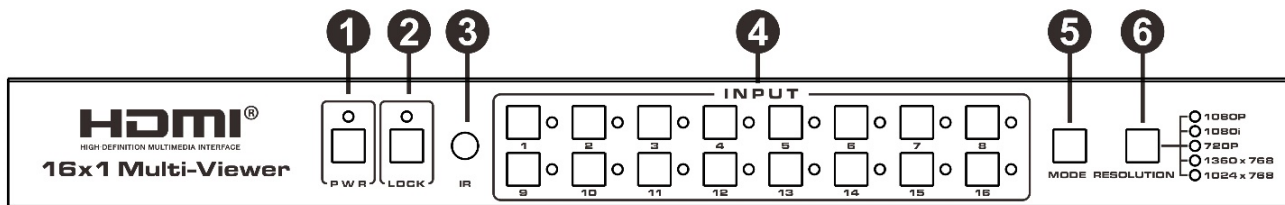
Video Bandwidth	2.25Gbps
Input Ports	16 × HDMI (Female type),1x RS232;
Output Ports	1 × HDMI (Female type),
Audio output	PCM2, 5.1, 7.1CH, Dolby 5.1, DTS5.1
Input Resolution	480i60Hz,480p60Hz,576i50Hz,576p50Hz,720p50/60Hz, 1080i50/60Hz,1080p24/30/50/60Hz,800x600@60, 1024x768@60,1280x720@60, 1920x1080@60;
Output Resolution	1080p,1080i,720p,1024x768,1360x768
ESD Protection	Human Body model:±8 kV (air-gap discharge) ±4 kV (contact discharge)
Power Supply	12 V/5A DC
Dimensions	440 mm (W)×200 mm (D)×45 mm (H)
Weight	1800 g
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0 °C~40 °C/ 32 °F~104 °F
Storage Temperature	-20 °C ~ 60 °C/-4 °F ~140 °F
Relative Humidity	20~90 % RH (non-condensing)

Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher

5. PANEL FUNCTIONS

5.1 Front Panel



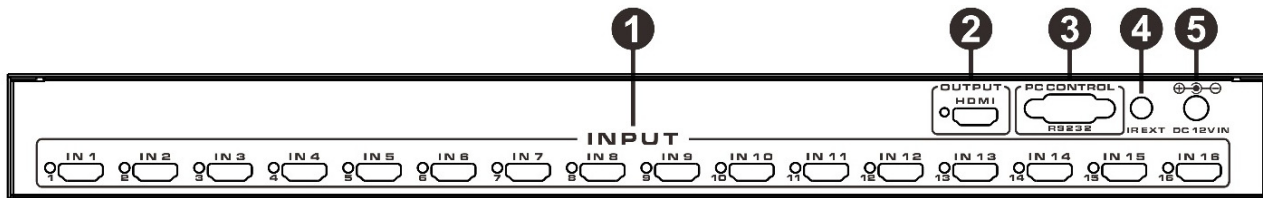
- 1. POWER:** Press this button to power the device on/off. The LED will illuminate green when the power is on, red when it is in 'Standby' mode.
- 2. LOCK:** Press this button to lock all the buttons on the panel, press again to unlock. The red LED will illuminate when the button is locked, on the contrary, turn dark when unlock.
- 3. IR receiver window:** Receive the IR from the remote controller.
- 4. HDMI input selection button area:** HDMI input selection button 1 to 16: Press to select the input from 1 to 16.
- 5. MODE:** Press the button to select display mode.
- 6. RESOLUTION:** Press the button to select the output resolution.

NO.	RESOLUTION
1	1080P, Main image audio
2	1080I, Main image audio
3	720P, Main image audio
4	1360x768, Main image audio
5	1024x768, Main image audio

Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher

5.2 Rear Panel



1. HDMI INPUT Area: Connect HDMI sources. LED 1-16 illuminate when the HDMI signal plug in corresponding input port with HDMI cable.

2. HDMI OUTPUT Area: Output for displays, AVR etc. LED illuminate when the display plug in corresponding output port with HDMI cable.

3. PC CONTROL: RS232: Connect to a PC or control system with D-Sub 9-pin cable for the transmission of RS-232 commands.

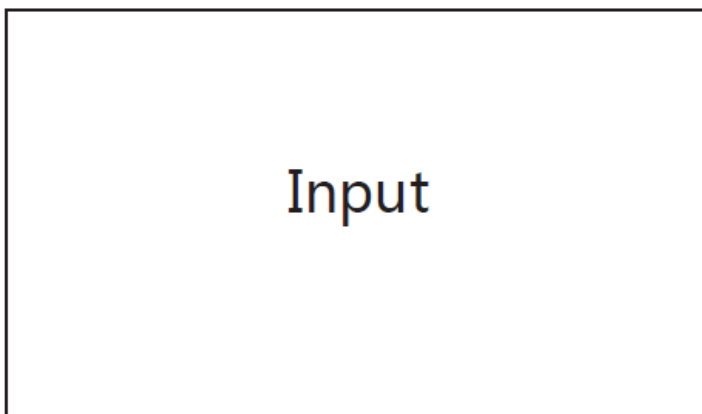
4. IR EXT: IR extender receiver port, connect with IR receiver cable.

5. DC POWER IN: Plug the 12V/5A DC power supply into the unit and connect the adaptor to an AC outlet.

Detail description of display mode

The 16x1 multi-viewer have 4 display modes.

MODE1: The 16x1 multi-viewer will separate display the sixteen HD input, and now it is a seamless switcher.



MODE1-16×1 Seamless Switcher

Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher

MODE2: The 16x1 multi-viewer divides the four HD input to the same size and display on one screen. And now switch the input button on front panel or IR remote, the HDMI output audio will corresponding to the selected input source.

IN1	IN5
IN9	IN13

MODE2-4x1 Multi-Viewer

MODE3: The 16x1 multi-viewer divides the nine HD input to the same size and display on one screen. And now switch the input button on front panel or IR remote, the HDMI output audio will corresponding to the selected input source.

IN1	IN2	IN3
IN5	IN6	IN7
IN9	IN10	IN11

MODE3-9x1 Multi-Viewer

MODE4: The 16x1 multi-viewer divides the sixteen HD input to the same size and display on one screen. And now switch the input button on front panel or IR remote, the HDMI output audio will corresponding to the selected input source.

Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher

IN1	IN2	IN5	IN6
IN3	IN4	IN7	IN8
IN9	IN10	IN13	IN14
IN11	IN12	IN15	IN16

MODE4-16×1 Multi-Viewer

PC controller user guide

Installation

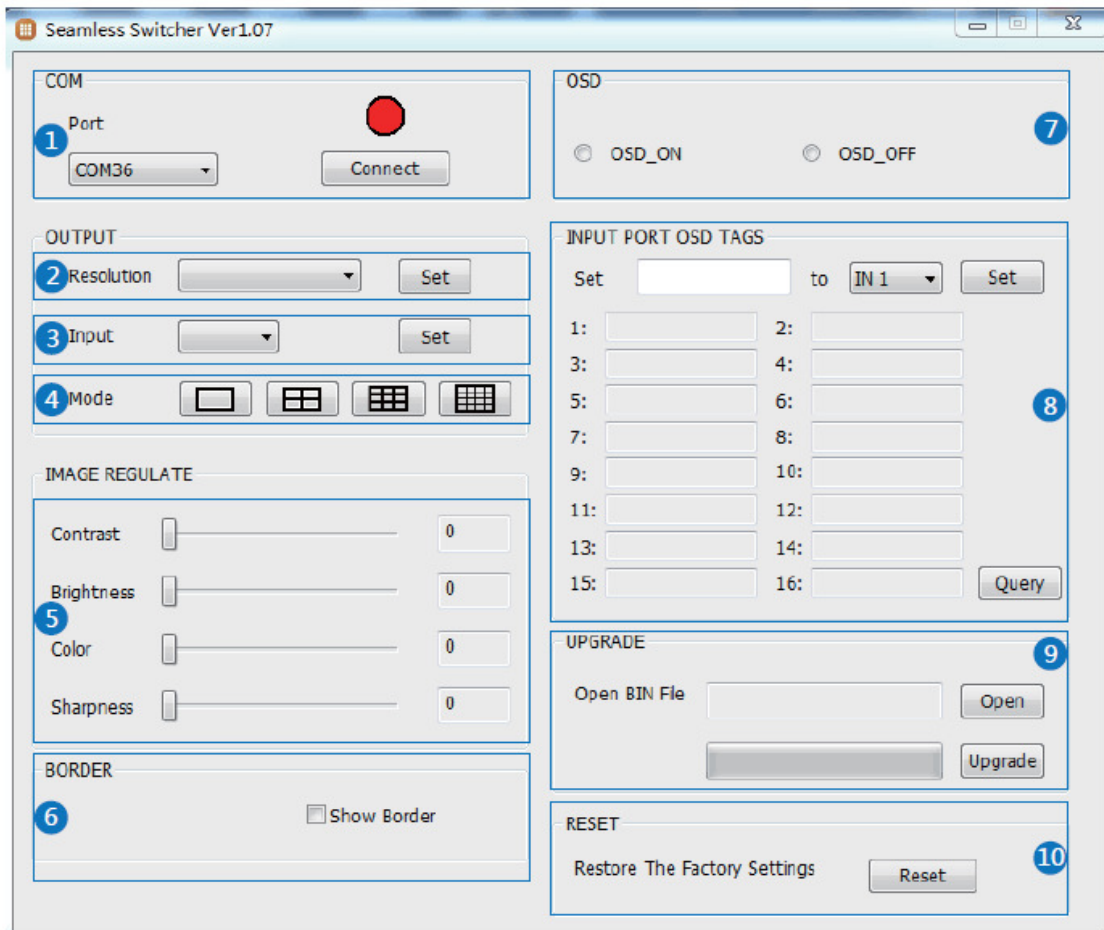
The PC controller is green software. Just use a cable to connect the PC via RS232 port and copy "Quad Multi-Viewer.exe" to PC to complete installation.

Preparation

1. Connect PC and multi-viewer by RS232 cable (headers of both sides of cable should be FEMALE)
2. Power-up multi-viewer
3. Double click "Quad Multi-Viewer.exe" icon to run it

Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher



- ① Select PC connect COM port, Click to connect or disconnect PC and multi-viewer and the corresponding light will display.
- ② Select the HDMI output resolution.
- ③ Select the input source.
- ④ Select the output mode, see the detail description (chapter 6).
- ⑤ Adjust the HDMI output picture quality.
- ⑥ Display or hidden the border.
- ⑦ Display or hidden the OSD menu.
- ⑧ Input characters in the Set box (The maximum is 16 characters). The user select the input port that needs to be set, then click the Set key on the right. The input port set are completed and it have saved in the following list box. Click the Query key and the corresponding list will display.
- ⑨ FW upgrade part: Click to open Firmware. The click the upgrade button, the new firmware will auto download to the multi-viewer and restart it.
- ⑩ Press the Reset button, the quad multi-viewer will reset to factory state.

Model : ATZ HDMI-161SM

Description: 16X1 HDMI Multi-Viewer SEAMLESS switcher

Product Diagram:

