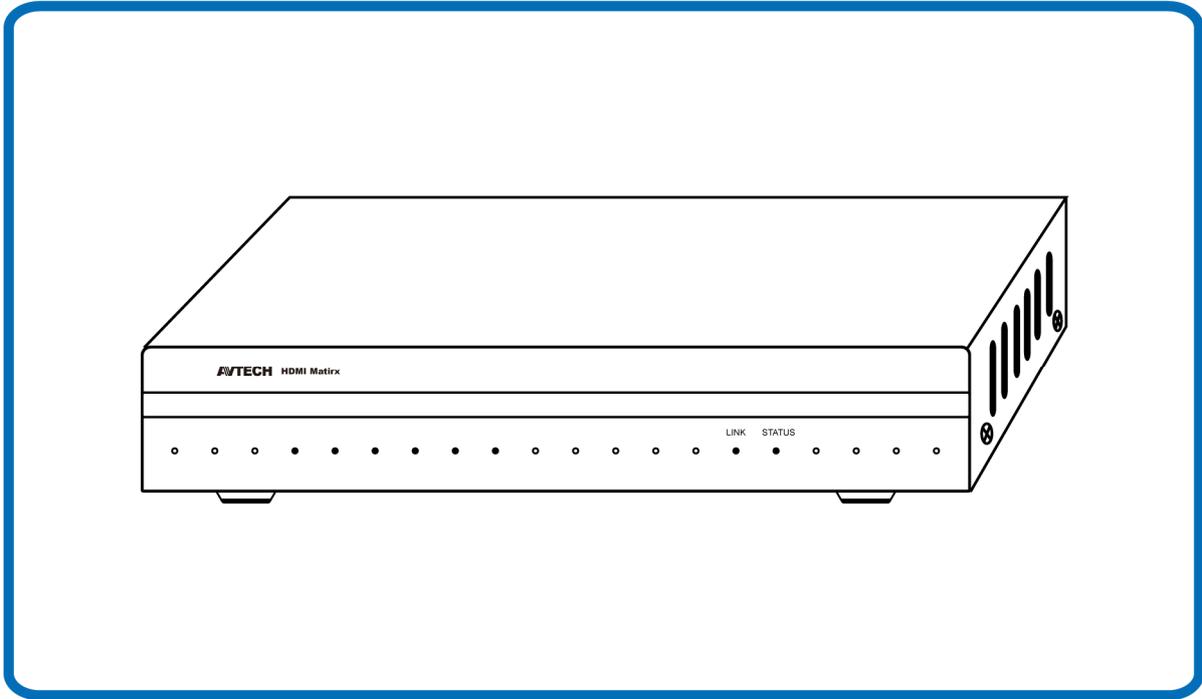


AVX917 User Manual

HDMI Matrix



All lead-free products offered by the company comply with requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly “lead-free” and without the hazardous substances cited on the directives.



The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products as unsorted municipal waste. Contact your local dealer for procedures for recycling this equipment.

CE Mark



This apparatus is manufactured to comply with the radio interference.

The company does not warrant that this manual will be uninterrupted or error right to revise or remove any content in this manual at any time.

GENERAL DESCRIPTION

This AVX917 is the perfect way to get ultimate flexibility and integration out of your surveillance system. You can plug up to four HDMI sources (e.g., NVR or DVR) and USB controls into the Matrix for single output display and control. Also, AVX917 enables you to combine AVX916R with the BNC port, which transfers coaxial signals (up to 70m) to HDMI signals, to duplicate local display to remote site for independently controlling each source device. The features of AVX917 are summarized as below:

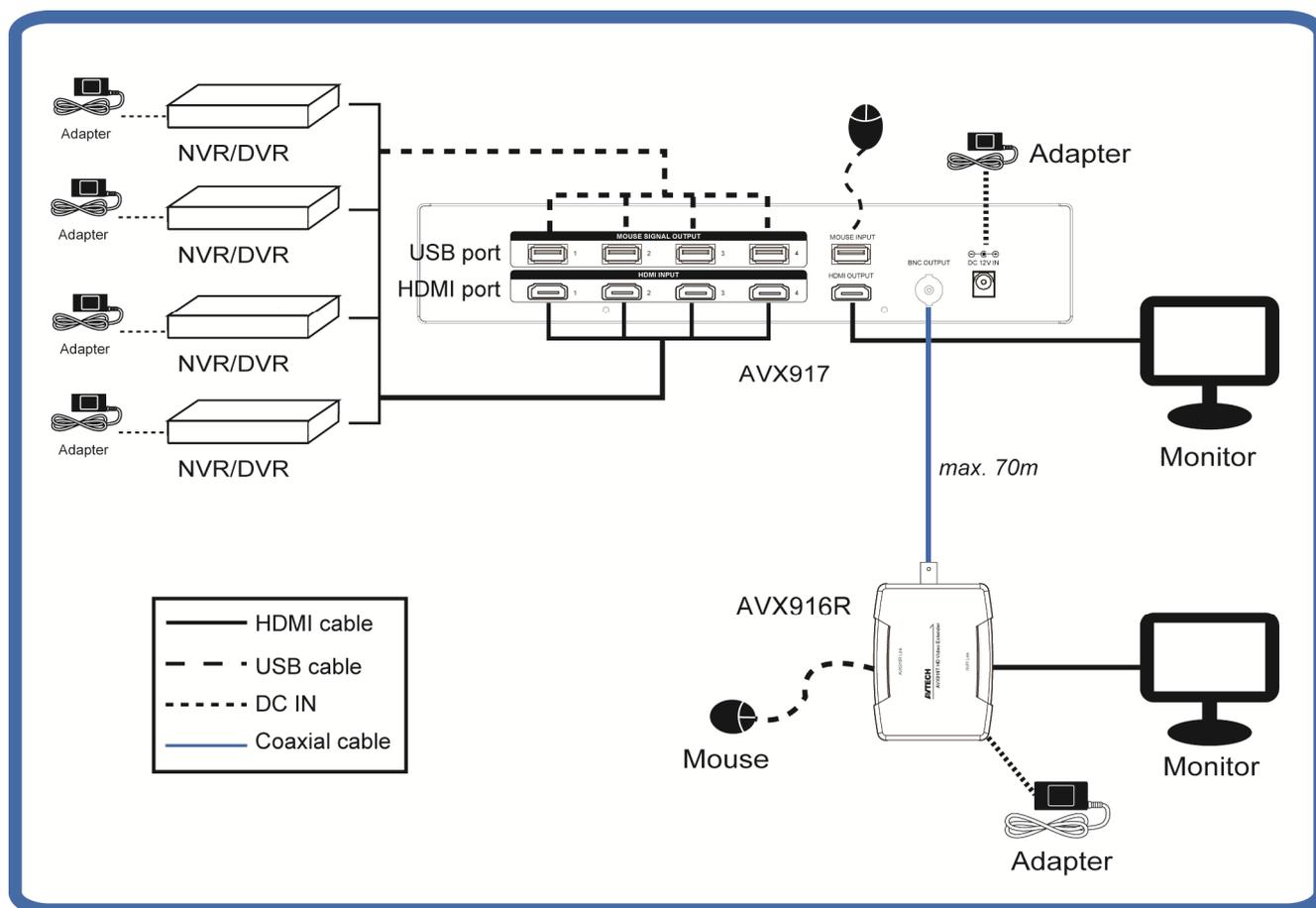
- **Combined display of HDMI sources**

HDMI Matrix is able to combine HDMI sources to single HDMI display with control. To have one more display with control, an optional HD video extender, AVX916R, could be used.

- **Variable Monitor Display**

Quad / full / sequence mode can be switched by mouse to display.

CONNECTION



For local site:

Step 1: Plug four HDMI cables into each HDMI output port of NVR / DVR and the four HDMI input ports of AVX917.

Step 2: Plug four USB cables into each USB port of NVR / DVR and the four mouse signal output ports of AVX917.

Step 3: Connect the monitor with an HDMI cable to the HDMI output port of AVX917.

Note: The monitor has to be a HDMI monitor with 1080p 60fps format to display correctly.

Step 4: Connect a mouse to the mouse input port of AVX917.

Note: AVX917 is not allowed to connect with a wireless mouse.

Note: AVX917 supports hot swapping.

Step 5: Connect cameras and power adapters to NVR, and also connect a power adapter to AVX917.

Step 6: Turn on the NVR.

For remote site with AVX916R:

Step 1: Repeat the step1 and 2 above. Plug a coaxial cable into the BNC port of both AVX917 and AVX916R.

Step 2: Connect the monitor with an HDMI cable to the HDMI output port of AVX916R.

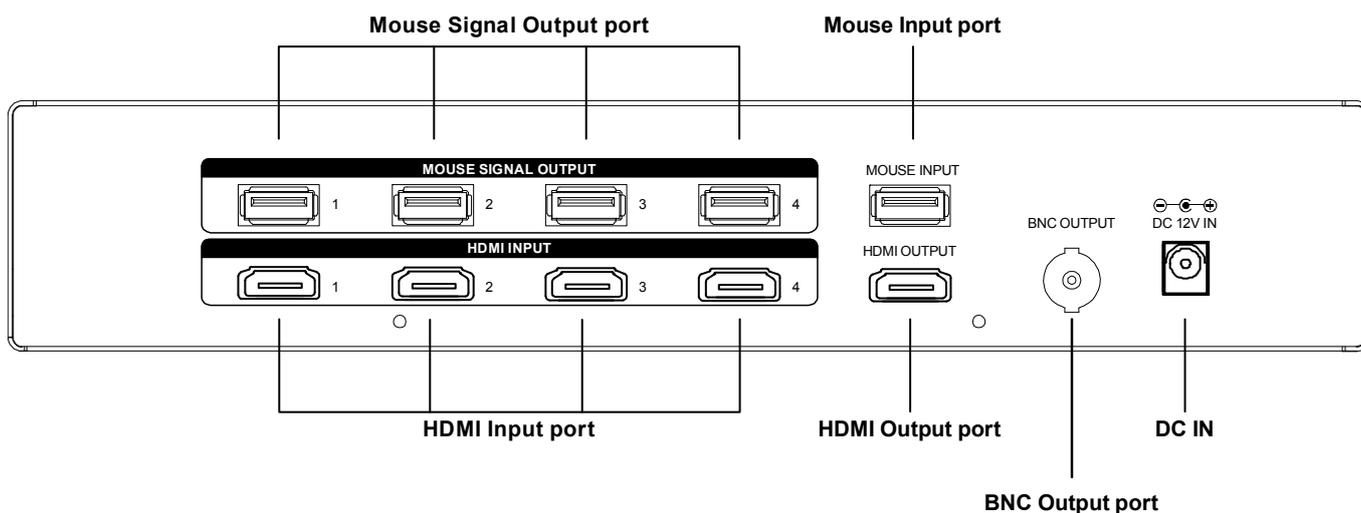
Step 3: Plug a mouse into the mouse input port of AVX916R.

Step 4: Connect cameras and power adapters to NVR, and also connect a power adapter to AVX916R.

Step 5: Turn on the NVRs.

Note: For the best display and stable control, it's not suggested to use the two units of AVX916R and AVX916T together, which are HD Video extender, to transmit HD signals through a single coaxial cable.

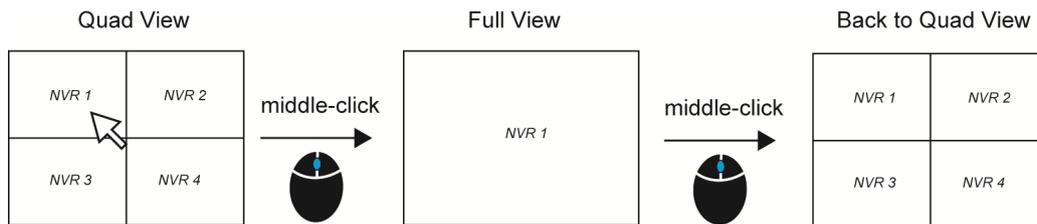
PRODUCT REVIEW



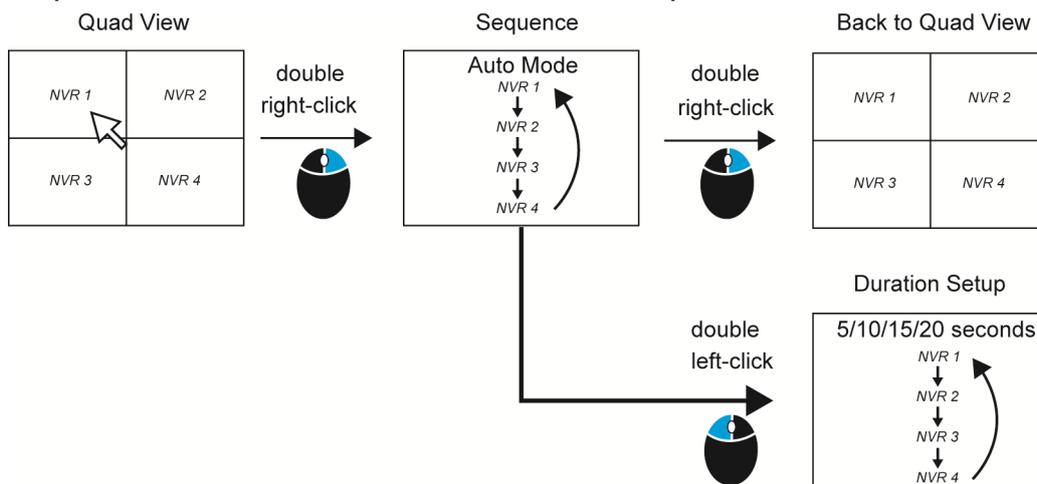
OPERATION

You can control the monitor display with your mouse as below:

■ Single channel switch



■ Sequence mode switch and duration setup



Note: You need to enter the sequence mode and double left-click to switch duration time of 5, 10, 15 and 20 seconds. The default duration time is 5 seconds.

SPECIFICATIONS*

| Hardware | | | |
|--|--------------------------|----------------------|--------------------|
| Input | HDMI port | 4 | |
| | USB port | 1 (Mouse in) | |
| Output | HDMI port | 1 | |
| | USB port | 4 (Mouse signal out) | |
| HDMI YUV | Input | 4:2:2 16bit | |
| | Output | 4:2:2 16bit | |
| BNC | SDI (With Mouse Control) | | |
| Resolution | HDMI | Video | 1080P/60fps (only) |
| | | Audio | 48Khz |
| | SDI | 1080P/60fps | |
| Maximum length | HDMI cable | 3M | |
| | SDI Cable | 70M/RG6 | |
| | USB cable | 3M | |
| LED Indications | YES | | |
| Power Supply (±10%) | 12V | | |
| Version of HDMI specification | HDMI 1.4 | | |
| HDMI Plug-and-play support | YES | | |
| Operating Temperature | 0°C ~40°C (50°F~104°F) | | |
| Software | | | |
| OSD sequence configuration | YES | | |
| Monitor Display | Quad / Full Screen | | |
| HDMI video output resolution error display | YES | | |

* The specifications are subject to change without notice.