

VS4X1

Video Switcher

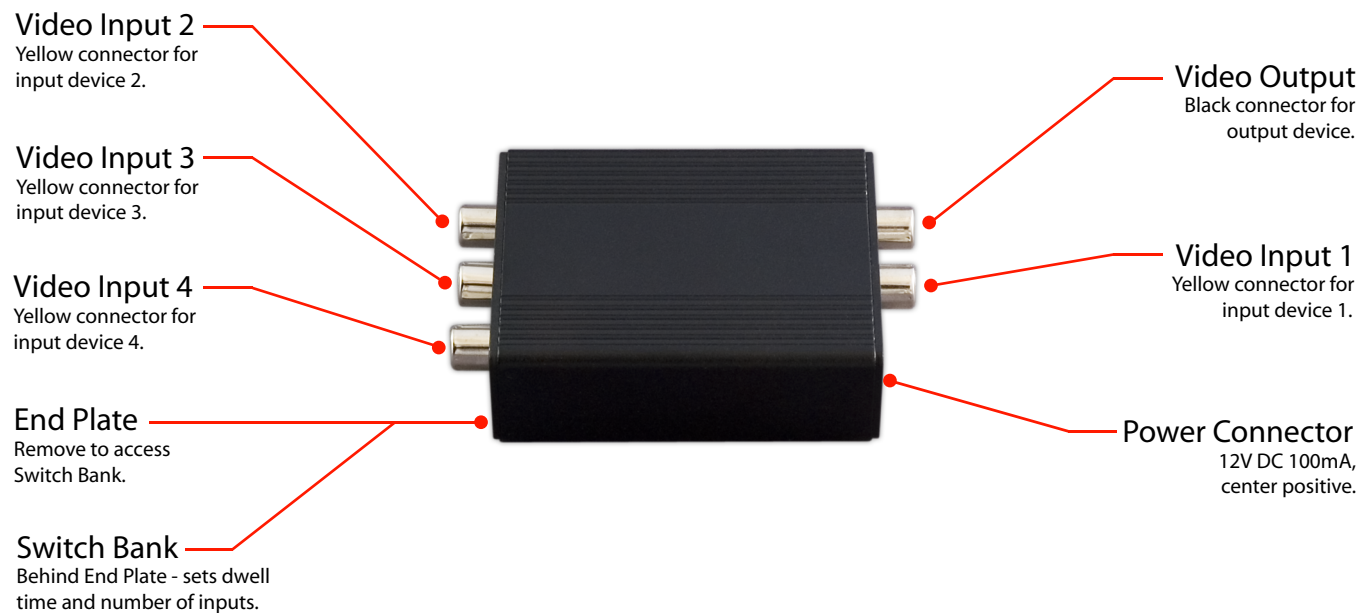
2-4 inputs with 1 output



The NetMedia VS4X1 Video Switcher sequences 2, 3, or 4 video inputs through 1 output. Select the number of inputs and set the dwell time from 1 to 63 seconds. It is compatible with CCTV video cameras including all NetMedia UTP/CAT5 and Power Over Coax models. View the output on a monitor or modulate it for distribution to multiple televisions.

Product Includes:

1. Video Switcher Assembly (4 - Video Input Connectors, Video Output Connector, Power Connector, End Plate, Switch Bank).
2. 12V DC 100mA Power Transformer (Center Conductor Positive).



FEATURES

- Selectable for 2 to 4 inputs
- Selectable for 1 to 63 second dwell
- Microprocessor controlled
- Supports NTSC or PAL in color and B/W
- Setup retained during power outage
- Tough aluminum housing
- Includes power supply
- 1 year limited warranty

SPECIFICATIONS

Dwell Time:	1 to 63 seconds
Video Bandwidth:	12MHz
Video Crosstalk:	-70 db
Video Output Connector:	Female RCA, 75 Ohm
Video Input Connectors:	4 - Female RCA, 75 Ohm
Power Requirement:	12V DC, 100mA
Power Connector:	5.5mm OD, 2.1mm ID, center positive
Housing Size:	3.25" long x 2.2" wide x 0.9" high
Weight:	3.5 oz.

(subject to change without notice)

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Installation Procedures:

1. If changing the default setup from 4 inputs rotating at 4 seconds each, disconnect power and remove End Plate opposite Power Connector. Slide out circuit board to access Switch Bank: switches 1-6 set the dwell time; switches 7-8 set input sources (Figures 1 & 2). Replace End Plate when finished.
2. Connect video sources to yellow Video Input Connectors (Input 1 is next to Power Connector).
3. Connect video destination to black Video Output Connector (next to Input 1).
4. Connect 12V DC 100mA power supply to an AC outlet and Power Connector.
5. Switcher output is now available for viewing on monitoring device.

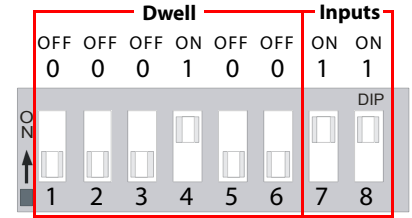


Figure 1 - Switch Bank default setup
4 inputs @ 4 sec. each.

Switch 123456	Dwell Seconds	Switch 123456	Dwell Seconds	Switch 123456	Dwell Seconds	Switch 123456	Dwell Seconds	Switch 78	Input Sources
000000	N/A	010000	16	100000	32	110000	48	00	N/A
000001	1	010001	17	100001	33	110001	49	01	2
000010	2	010010	18	100010	34	110010	50	10	3
000011	3	010011	19	100011	35	110011	51	11	4
000100	4	010100	20	100100	36	110100	52		
000101	5	010101	21	100101	37	110101	53		
000110	6	010110	22	100110	38	110110	54		
000111	7	010111	23	100111	39	110111	55		
001000	8	011000	24	101000	40	111000	56		
001001	9	011001	25	101001	41	111001	57		
001010	10	011010	26	101010	42	111010	58		
001011	11	011011	27	101011	43	111011	59		
001100	12	011100	28	101100	44	111100	60		
001101	13	011101	29	101101	45	111101	61		
001110	14	011110	30	101110	46	111110	62		
001111	15	011111	31	101111	47	111111	63		

Figure 2 - DIP Switch Bank settings for dwell time and input sources (0 = OFF and 1 = ON).

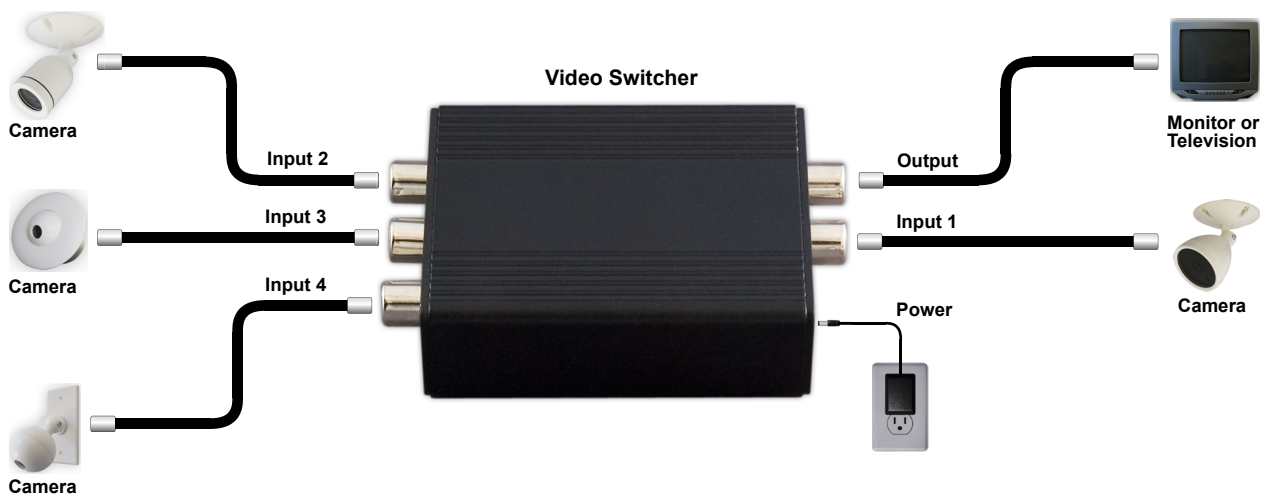


Figure 3 - Connecting the switcher to 4 video sources and a monitor.

FCC Information (U.S.A.):

Important: This product, when installed as specified below, meets FCC requirements. Modifications not expressly approved by NetMedia may void your authority, granted by the FCC, to use the product. Failure to follow all installation instructions could void your FCC authorization to use the product in the USA.

Modulators:

FCC compliance requires operating the switcher with both end caps securely closed and fastened.

Compliance Information Statement (Declaration of Conformity Procedure)

We,
NetMedia, Inc.
10940 N. Stallard Pl.
Tucson, AZ 85737
(520-544-4567)
declare under our sole responsibility that the following products,

Type of Equipment: Video Switcher

Model: VS4X1

to which this declaration relates are in conformity with the Title 47 of the US Code of Federal Regulations, Part 15 covering Class B digital devices.

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.

NOTE: 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 or television communications. However, there is no guarantee that the 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 to a different outlet on a circuit other than the one the receiver is connected to.
- * Consult the dealer or an experienced radio/TV technician for help.

One Year Limited Warranty

NetMedia, Inc. warrants this product to be free from defects in materials and workmanship under normal use and service for One Year from the date of purchase or NetMedia will repair or, at its option, replace the defective product. Please keep your purchase receipt. In the unlikely event that you need warranty service, call NetMedia at 1-520-544-4567 for a Return Material Authorization (RMA) number. Then, return the product, with the RMA number clearly marked on the package, by a traceable method with freight pre-paid and accompanied by a copy of the purchase receipt to:

Attn: Customer Service, NetMedia, Inc. 10940 N. Stallard Place, Tucson, AZ 85737-9527

No expressed or implied warranty is made for any defects in this product which result from accident, abuse, failure to operate the product in accordance with relevant instructions, neglect, immersion in or exposure to chemicals or liquid, extreme climate, excessive wear and tear and defect resulting from other extraneous causes such as unauthorized disassembly, repair and or modification. Any implied warranty arising from the sale of this product, including implied warranties of merchantability and fitness for a particular purpose, are limited to the warranty stated above. NetMedia shall not be responsible for any loss, damages or expenses, whether direct, consequential or incidental that arise from the use or inability to use this product. Some states do not allow limitation of incidental or consequential damages, so the above limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.

Frequently Asked Questions

Q- Why isn't there any video on some or all inputs?

A- Make sure all the connections are correct (see Figure 4). The Output Connector is black; it must be connected to your monitoring device. Make sure all your inputs are connected and enabled (switches 7-8). Make sure the dwell time is properly set (switches 1-6).

Q- Why is the rotation order scrambled?

A- The inputs rotate in numerical order 1, 2, 3, 4. Make sure all the connections are correct (see Figure 4).

Q- Why isn't one of my cameras in the rotation?

A- The input may be disabled; make sure switches 7-8 are properly set (both ON enables all inputs). Make sure all the connections are correct (see Figure 4). Make sure the camera is properly functioning.

Q- Can I set it up for only 1 input?

A- No, 2 inputs is the minimum.

Q- Can I stop the rotation on 1 input?

A- No, the unit is always in rotation mode.

Q- Why does it seem like it's stuck on one input? Why isn't it rotating?

A- The dwell time may be set for a long duration (up to 63 seconds); make sure switches 1-6 are properly set. Try 1-4 OFF and 5-6 ON for 3 second dwell.

Q- Why doesn't the dwell time or input number change after I move the switches?

A- Power must be re-cycled before any change in switch settings take effect. If you disconnect power before removing the End Plate or handling the circuit board and manipulating the switches then you will not have this problem; the changes will take effect as soon as you reconnect power. Applying power with the case open and the circuit board exposed also increases the risk of damage to the unit.



Figure 4 - Identifying the correct Input and Output connectors.