

Specs

- Power: Typical draw 9VDC 25mA
- Operating frequency: 8Mhz
- Scan rate: 5 seconds
- Connectors: 4 RCA Female, 1 RCA Male, 1 RJ45 for Serial, 2.1mm x 5.5mm Coax Power Jack
- EMI: Verified FCC Part 15 Class B compliant. This product has not been certified for CE mark.
- Video: NTSC and PAL compatible
- Hardware platform: VS4T1
- Firmware: XVideo10



XVideo10
VS4T1

Note:

This device complies with part 15 of the FCC Rules. 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.

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 communications. However, there is no guarantee 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 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 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.

Safety

Installation of this product should be performed following proper industry standard wiring practices. Outdoor cabling should be properly grounded for lightning protection.

This product is intended for indoor use only. Keep this unit away from heat sources such as radiators and furnace vents and use it in a properly ventilated area. To prevent shock or fire hazard, do not expose this unit to rain or moisture or use near water. The power supply packaged with this unit is intended for US and Canadian power systems and should only be used with compatible systems. No user serviceable parts are contained inside the device. This device is not intended for use by children. This device does not contain any user serviceable parts.

This product is not intended for use with RF, VGA or amplified audio signals. If high voltage signals, such as amplified TV antennas or speaker outputs, are connected to the device damage or fire may occur. This device is intended only for composite video signal switching of NTSC signals. It is not certified for use in the European Union. Current inventory of this product is not completely certified for European RoHS standards. The internal electrical components of this device may contain lead. Newly manufactured units will be made RoHS compliant. This product is not intended for export outside the USA.

Troubleshooting

Like most video equipment, the XVideo10 provides only a switching function for video. It does not modify or process signals. If you are running very long lines to remote cameras, the additional load of the XVideo10 may reduce video quality slightly. The switch provides a small amplification of the video signal to compensate for long runs.

When switching between signals, some momentary video distortion is normal while the video display locks in the video sync signal.

If the XVideo10 does not respond to the serial port, verify the port number, data rate, stop bits and parity. The XVideo10 supports ONLY 4800bps, N-8-1. If the device still does not respond, unplug the power and reconnect to restart. Close all applications that may be using the serial port. Try restarting your terminal software.

Enter the command menu sequence **!!!** to display the menu. NOTE: You MUST enter the command sequence within 5 seconds to access the menu. After 5 seconds, the menu will be locked out and you will need to recycle power.

See our website for additional troubleshooting and support assistance.

Warranty and Use Limitations

This product is warranted for a period of 90 days from the date of purchase against defects. No warranty is provided against abuse, damage, improper wiring or use in a manner contrary to the guidelines and specifications listed in this document. Opening the product case voids the warranty. Electrical damage to the device introduced thru the external connections voids the warranty. The purchaser assumes all liability for custom cabling, cabling practices and video equipment installation. Tech World warranties only the equipment we sell, not a particular installation or application. Third party installers and equipment are the responsibility of the user.

This product is not intended for use in life or property protection security systems or for life sustaining or life critical medical applications. Use of the product for these applications is at your own risk and subject to the following terms:

You agree to indemnify, defend, and hold harmless Tech World, Inc. and any of its officers, directors, employees, agents, information providers, partners, advertisers, suppliers, and any of our successors, as-signs or licensees, together with any of their respective officers, directors, and employees, from and against any and all damages, losses, liabilities, suits, actions, demands, proceedings (whether legal or administrative), judgments, costs and expenses (including reasonable attorney's fees), arising out of any and all claims by you or a third party relating to your use of the product or application notes contained on the website, or any breach or violation of these Terms of Use or any other term or condition contained on the Tech World website. You agree that sole remedy for claims arising out of use of the product will be replacement of the product or refund of the purchase price at the sole discretion of Tech World, Inc.

If you do not agree to these terms, you may return the product to the point of purchase for a full refund within 10 days of purchase.

XVideo10 Video Sequencer Quick Reference

Visit our website for extended documentation.

<http://www.tech-world.com>

Configuring the XVideo10

The XVideo10 is configured using single letter commands via a serial port. You can configure the XVideo10 using any communications terminal program such as Kermit or HyperTerminal. See the Command Reference Summary for commands you can send to the XVideo10. To enter command mode, connect the XVideo10 to your computer and connect the power supply. Enter **!!!** within 5 seconds to access the menu. If the XVideo10 does not respond, unplug and reconnect the power and try the **!!!** command again.

Command Reference

C	Changes the number of cameras to scan. When the XVideo10 enters scanning mode, cameras 1 thru the selected number will be displayed. This feature allows you to connect only two cameras and have the scan ignore the empty camera channels. The number of cameras selected here does not need to match the number of cameras connected. You can for instance connect four cameras and configure the scan to show only two cameras. The other cameras are still available for viewing, but will not be displayed in scan mode. This may be useful for some applications.
S	Changes the scan interval. You can adjust the time that each camera is displayed from 5-30 seconds.
H	Select the house code to monitor (A-P)
I	Select the idle detection and Units 1-4 OFF behavior. When no camera changes occur for 1 minute the selected option is triggered. When units 1-4 are turned OFF the selected option is triggered. S - Start Scan Mode P - Switch to Camera 1. This establishes camera 1 as a priority camera. Whenever there are no camera changes for 1 minute, the XVideo10 will switch back to camera 1. Put your preferred camera on line 1. This option can be used with 3rd party motion detection software to prevent constant triggering that would occur in scan mode as a result of images changing. N - Do Nothing Idle mode scanning is disabled. OFF commands for Units 1-4 are ignored. The XVideo10 will stay on whatever channel you select unless you select scan mode manually.
?	Help Menu

When you change a settings, the menu will be redisplayed with the current settings. The settings are automatically stored in the non-volatile memory of the device. When you turn off the XVideo10 and reconnect the power, it will start up with your preferred settings.

Package Contents

The XVideo10 kit includes the following items:

- The XVideo10 video switch
- DB9 Serial to RJ45 cable
- An AC power adaptor
- This document.

Requirements

The XVideo10 connects to your computer as a serial device for configuration. You need to have an available serial port with a DB9 connector. The XVideo10 does not require any drivers or a PC to run. The XVideo10 requires a X-10 CM11 interface (sold separately) to operate.

Connecting the XVideo10 for configuration

- Plug the serial RJ45 cable into the XVideo10. Plug the other end into the serial port on your computer.
- If your computer does not have a serial port, a USB to serial adaptor is available separately. The XVideo10 is compatible with all USB serial adaptors.
- Plug the AC Adaptor into a wall outlet.
- Plug the coaxial power plug on the AC wall adaptor into the XVideo10 power socket. The green LED light on the XVideo10 should turn on.

Connecting video to the XVideo10

You can connect video outputs of security cameras, DVD players, monitors, vidcams, or any other video capable device to the XVideo10. The XVideo10 supports composite video signals in NTSC or PAL formats.

The XVideo10 is intended to switch up to four cameras or video sources to a single video output (monitor, capture card, etc.) Plug the black video out connector into your monitor or capture card. Plug your cameras or other video sources into the yellow input jacks.

Alternate application: A video source can be connected to the black connector of the XVideo10 and switched to one of the four yellow connectors. This is a reversed application of the normal video switching application and may not work for all types of hardware.

Made in Taiwan, programmed and designed in the USA.
Tech World Inc. POB 3163 Barrington IL 60011 <http://www.tech-world.com>
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