

Guide

Direct Show Driver Guide

Prepared by:

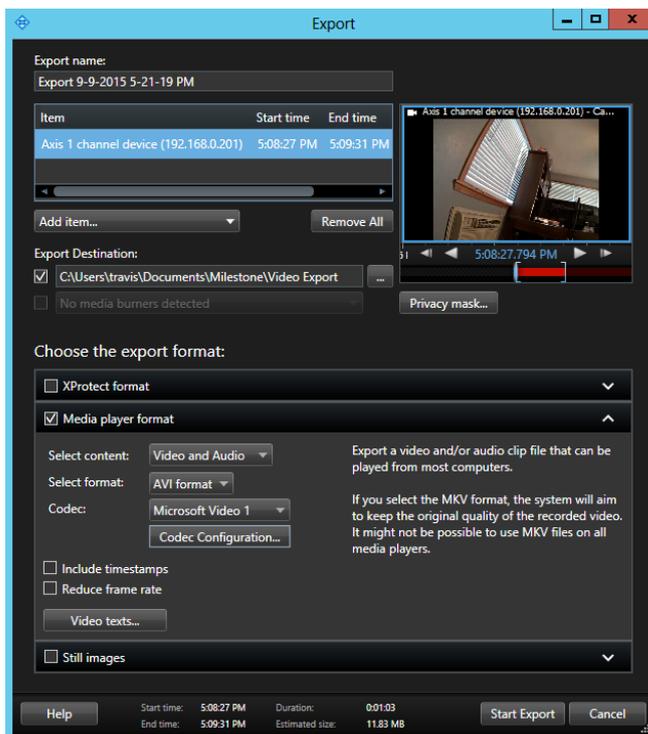
Tim Warren, Solutions Integration Engineer, Content and Technical Development

Direct Show Video Driver Configuration

The Direct Show Driver can be added to a recorder like any other hardware device, except rather than a physical piece of hardware, it is simply an AVI file that Milestone treats as a video source. The clip will be looped indefinitely and made available to the system as if it were a real camera. Live, playback, Smart Search, etc all work fine with the Direct Show Driver. The setup does not take long, but this feature is rarely used and as such it is buggy and not well documented. It is easy to make a mistake and not receive any indication of what you've done wrong. Follow these steps closely to avoid a prolonged struggle trying to get this driver to work

1. Obtain a suitable AVI file (choose one of two options)

- a. Export desired video from Smart Client in AVI format using Microsoft Video 1 format. Be sure to rename the resulting AVI file to something simple and short like *Camera1.avi*.

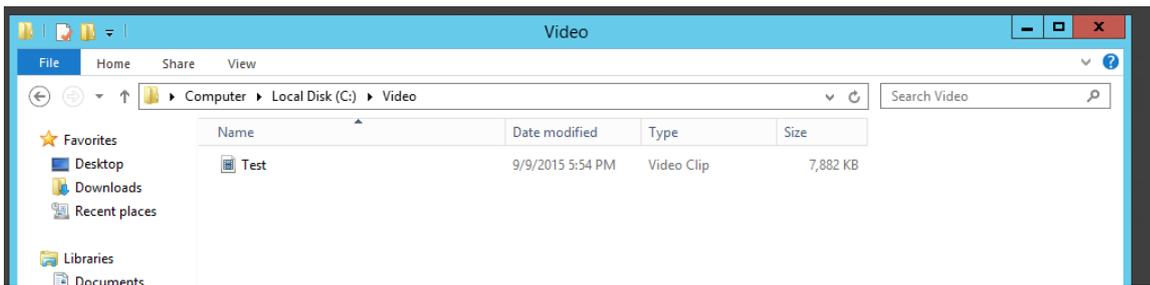


- b. If a clip from outside the system is to be used and it is not working, convert the clip to AVI using a video converter of your choice. Not all codecs/converters will work. Tested with AnySoft Any Video Converter, using the MPEG 4 option. *Again, keep the name simple and short.*

2. Copy the AVI file to the recorder it will run on

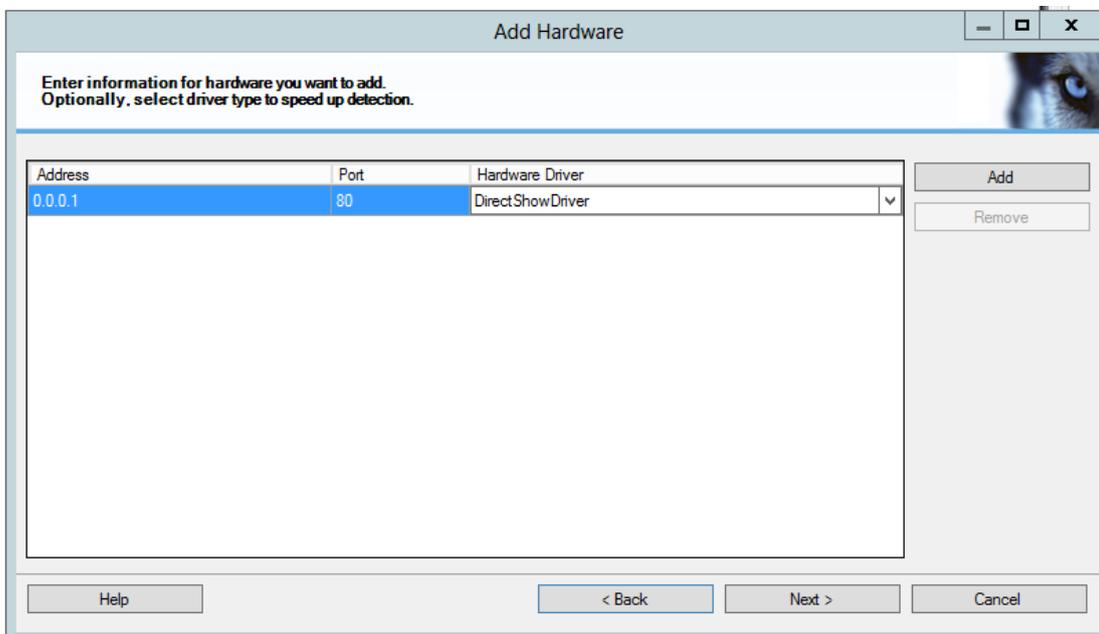
- a. Placing the video file in the root of the C: drive (C:\) or the root of another drive on the system usually provides the best results.
 1. Example – C:\Test.avi
- b. The codec that the AVI was encoded with also needs to be installed on the machine.

Reminder: The AVI file must reside on the recording server that it will be added to.



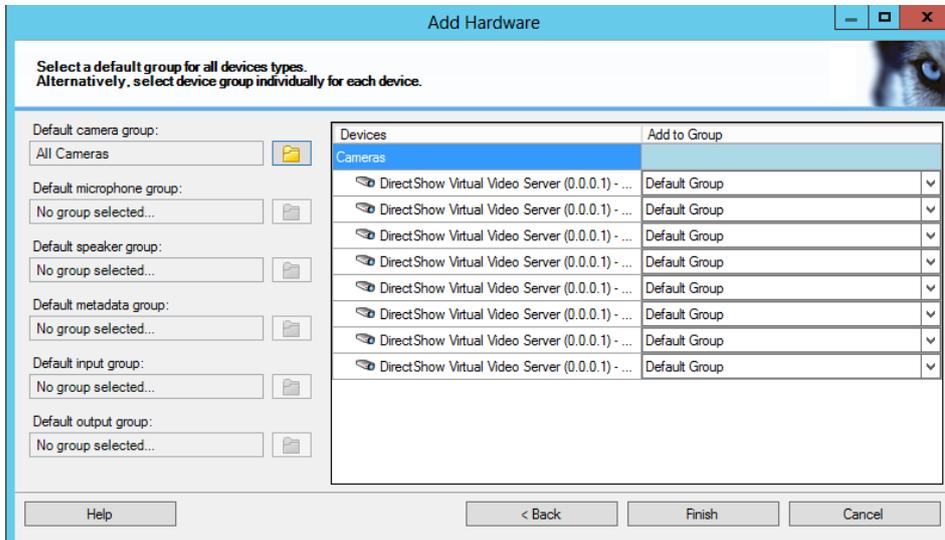
3. Add the DirectShowDriver to the recorder

- a. Right click the recorder that you copied the file to and choose 'Add Hardware'
- b. Choose 'Manual' then click next until you reach the screen that shows 'Enter information for hardware you want to add' and configure as shown in this example.



Note: If using XProtect Go, Essential, Express, Professional, or Enterprise, a password will be required at this point. The password is DirectShow (username can be anything).

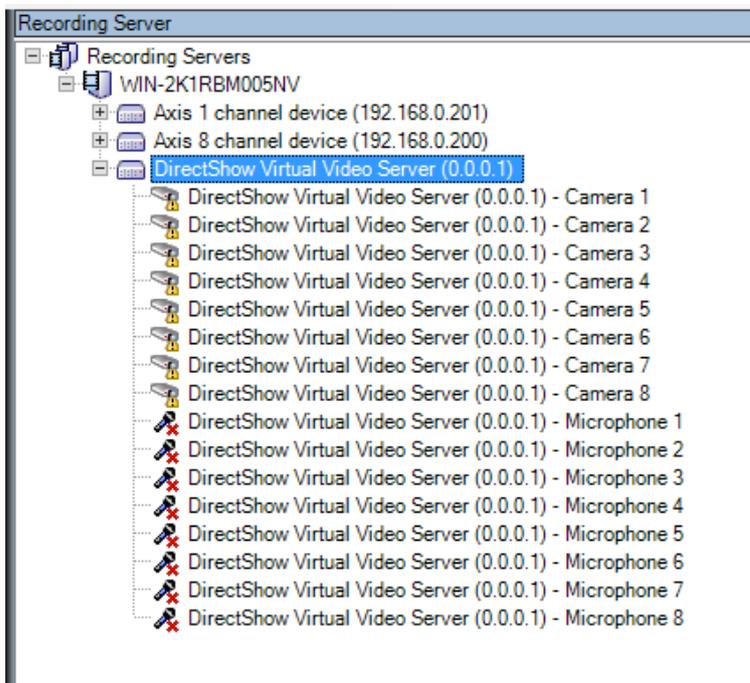
Click Next until you reach the screen that shows:



- c. Click Finish

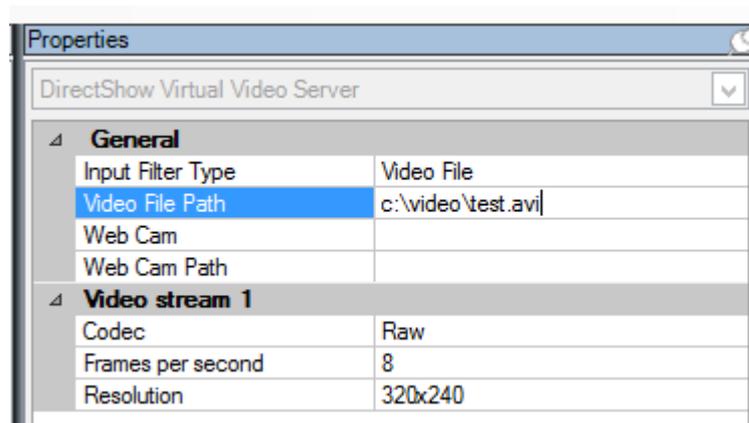
4. Configure the DirectShowDriver

- a. Find the new DirectShow Virtual Video Server and expand it to reveal 8 cameras and 8 microphones



- b. Select one of the cameras and go to its Settings tab
- c. Under 'Video File Path' type the path to the AVI file

- d. 'Select a default group for all device types' and select a group for the cameras to initially start in. Create a new group if necessary. The camera can be added to different groups or removed from this group later. In my example I chose the group 'All Cameras'

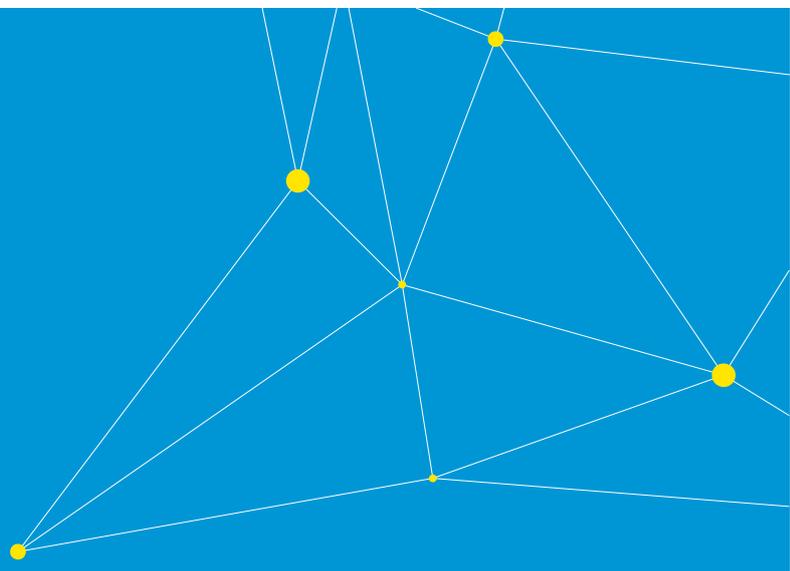


5. Save your changes and begin using the new camera

- a. Click the save icon.

6. Troubleshooting

- a. If the camera you configured is not displaying video:
1. The AVI file path may not be acceptable to the Milestone recorder for an unknown reason. C:\ and Documents are known to not be acceptable. C:\Video is known to be acceptable, and it is likely that many variations on this theme are also allowed.
 2. Ensure that the AVI file resides on the recording server. It is not known whether shared folders or mapped drives are supported, but the answer is likely no.
 3. Consider renaming the AVI file to something simple and short, in order to avoid any common disqualifiers such as the name being too long, containing special characters, spaces etc.
 4. It has been reported that if Camera 1 is disabled, none of the other channels will work.
- b. If you are not able to add the DirectShowDriver to the recorder:
1. If you have tried 0.0.0.1 and that does not work, try incrementing the last number (i.e., 0.0.0.2).
 2. You may be using the wrong password. If using Corporate and Expert, make sure the Factory default password option is checked when adding the hardware. If using Enterprise and below, the password is DirectShow (username can be anything).



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