How to Enable Edge Storage on Axis Cameras

The instructions below differ based on the firmware versions on your Axis cameras. Please check your camera's firmware version prior to continuing.

Edge Storage recording is currently supported for recording based on motion events. Setting the camera(s) to continuous recording may produce unpredictable results.

Adding the camera to exacqVision:

- When adding your camera(s) to exacqVision on the 'Add IP Cameras' page **you must use HTTP**. HTTPS connections are currently not supported for use with Axis cameras for the Edge Storage feature.

- On the 'Add IP Cameras' page, add the following string after the Hostname/IP Address entered for the camera: #transport=udp (i.e. - 192.168.0.5#transport=udp) Note: Some camera firmware versions do not require this override. If the camera is not showing "Edge Storage Status: Supported"remove this string and disable/enable the camera.

Axis firmware 7.x and above

1. Login to the camera's web interface.
2. Enter the Settings menu.
3. Go to the System tab.
4. Open the Events page.
5. Under the Action Rule List, click 'Add...'
6. Enter a name for the event such as 'NetLossRecording'.
7. Under the Trigger drop-down menu, what you choose depends on the type of motion detection you are using.

   For VMD1, which is traditional motion detection, select 'Detectors'. In the menu below this, select 'Motion Detection' or 'Motion Alarm'.
   In the final drop-down menu, select the Motion Window to use.

   For VMD4, select 'Applications'. In the drop-down menu below this, select 'VMD 4.
   If you have multiple profiles configured you need to choose the same one being used by exacqVision.
8. Leave the Schedule set to 'Always'.

9. The stream profile must be set to the same stream that the exacqVision Server is recording.
10. Check the duration boxes but leave them at their default settings.
11. Change the Storage option to your SD card.
12. Click 'OK'.
13. You may examine the SD card to confirm the camera populates recordings locally.
    In firmware 7.x and above, this is performed by minimizing the Settings menu to make the Storage icon appear at the bottom of the Live View.
14. To confirm or test the Edge Storage function you will need to simulate a network disconnection that does not cause the camera itself to lose power. When the camera connection is re-established the server will indicate entries in server logs, and will begin to copy video files from the camera.

Axis firmware 6.x

1. Login to the camera's web interface.
2. Enter the Setup page.
3. Open Events > Action Rules.
4. Click on 'Add'.
5. Enter a name for the event, such as 'NetLossRecording'.
6. Under the Trigger drop-down menu, what you choose depends on the type of motion detection you are using.

   For VMD1, which is traditional motion detection, select 'Detectors'. In the menu below this, select 'Motion Detection' or 'Motion Alarm'.
   In the final drop-down menu, select the Motion Window to use.

   For VMD4, select 'Applications'. In the drop-down below this, select 'VMD 4'. If you have multiple profiles configured you need to choose the same one being used by exacqVision.
7. Leave Schedule set to 'Always'.
8. Under Actions, set the Type to 'Record Video'.
9. The stream profile must be set to the same stream that the exacqVision Server is recording.
10. Check the duration boxes but leave them at their default settings.
11. Change the Storage option to your SD card.
12. Click 'OK'.
13. You may examine the SD card to confirm that the camera populates recordings locally.

14. To confirm or test the Edge Storage function you will need to simulate a network disconnection that does not cause the camera itself to lose power. When the camera connection is re-established the server will indicate entries in server logs, and will begin to copy video files from the camera.