

Description: Guide to configure/work with AXIS 221 Camera in GraphWorX64.

OS Requirement: Windows XP x64/Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64.

General Requirement: GraphWorX64 v10.7x, AXIS 221 IP Camera, AXIS Video Capture Driver, Microsoft Expression Encoder 4 installation.

Introduction

In addition to various other controls GraphWorX64 provides a Video Control to view various types of Video input. This Video control can play most commonly used video formats. This control also has the ability to play streaming video sources. This application note will walk you through all the necessary steps to configure AXIS Camera 221 to view videos and streams in GraphWorX64.

Prior to using AXIS 221 Camera Control in GraphWorX64 you must install the following.

1. Install the AXIS Video Capture Driver from (accept all the defaults):
http://www.axis.com/techsup/software/capture_driver/index.htm
2. Install Microsoft Expression Encoder 4 from (accept all the defaults):
<http://expression.microsoft.com/en-us/cc507507>

Setting up Encoding with Expression Encoder

1. Launch Expression Encoder.
2. Choose Live Broadcasting Project.

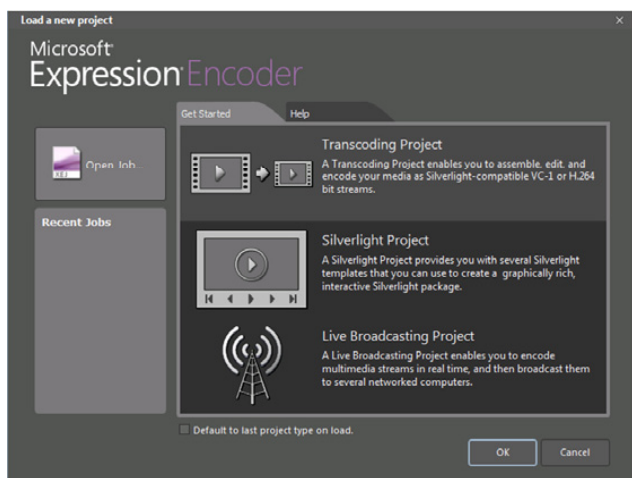


Figure 1 – Choosing Live Broadcasting Project

NOTE: If you have Windows Server 2008 or later, you must have Desktop Experience feature enabled.

3. Choose Add a Live Source.

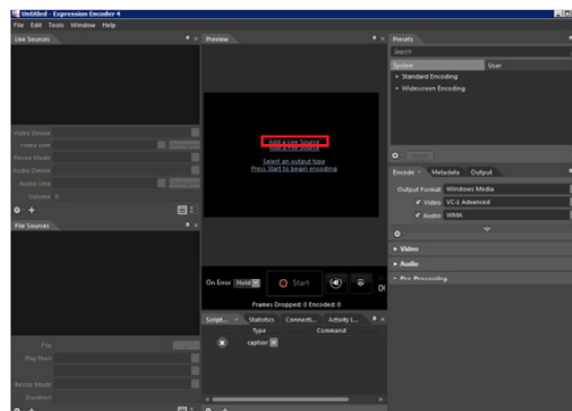


Figure 2 – Adding Live Source

4. Choose AXIS MJPEG Capture Driver in the Video Device Drop Down menu.

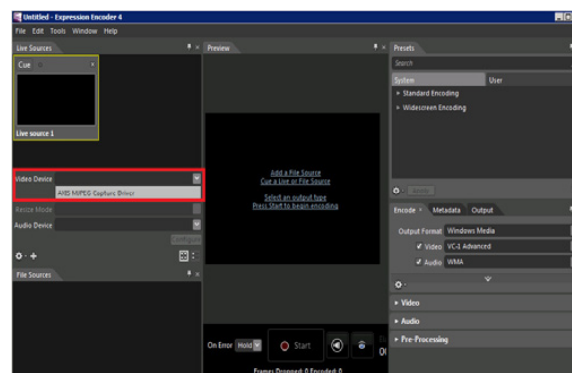


Figure 3 – Choosing right AXIS Capture Driver

NOTE: You may see an error message that the device is not available. Click OK.

5. Click the Configure button next to the Video Device drop down menu.

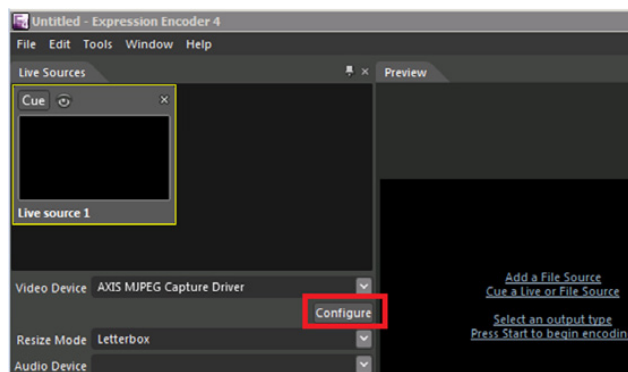


Figure 4 – IP Camera Configuration Dialog

6. In the Properties window that appears enter the IP address for your camera. Change the Resolution and Image quality as needed.

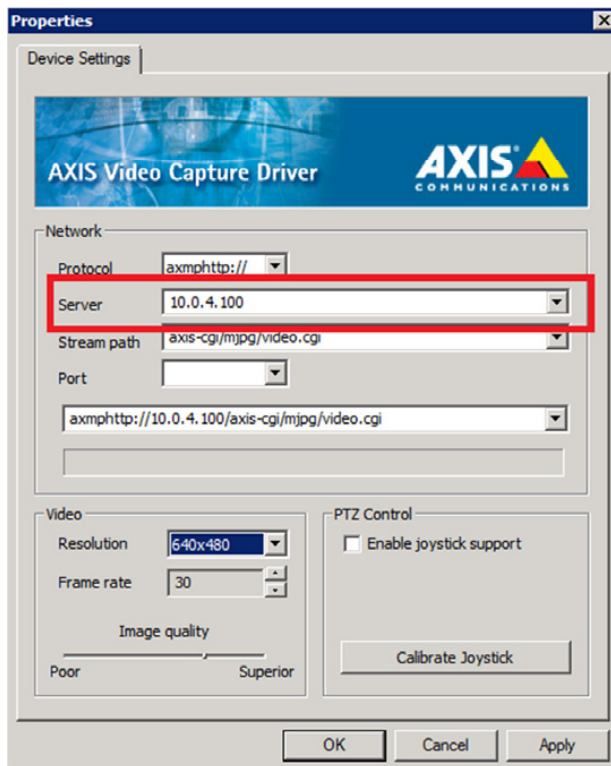


Figure 5 – IP Camera Settings

7. Click the Output Tab. Check the Streaming checkbox and select the Broadcast radio button. Enter a different Port number if so desired.

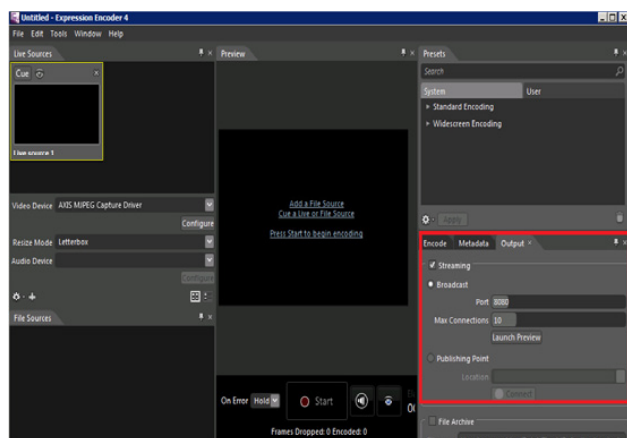


Figure 6 – Broadcasting settings

8. Click the Cue button under live sources (it should turn green).

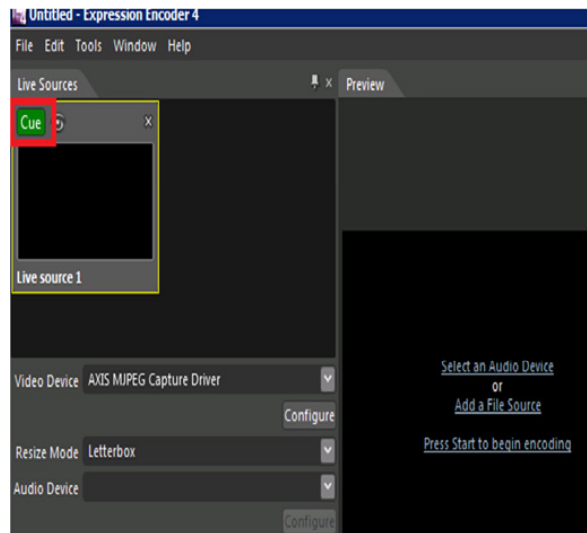


Figure 7 – Cue settings

9. Click the Start button to start encoding. You can verify that your connection is working by clicking the Launch Preview button.

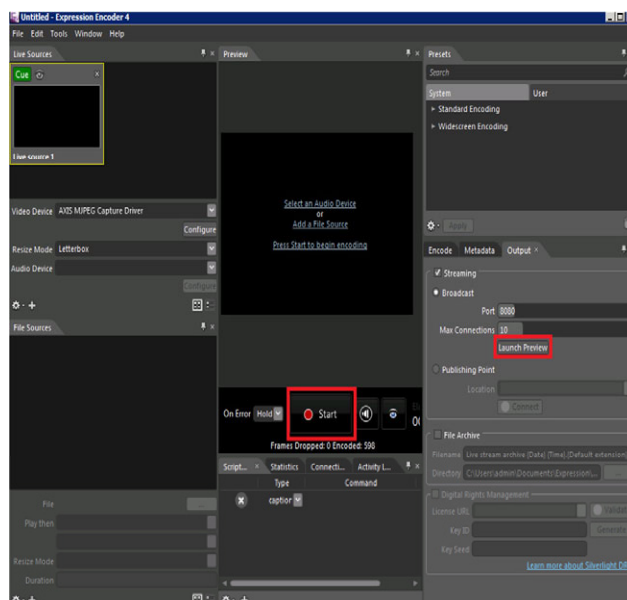


Figure 8 – Starting Encoding

Connecting to stream in GraphWorX64

1. Launch GraphWorX64 v 7.x
2. Insert a **Video Control**
3. In the properties grid, select the Video Source field.

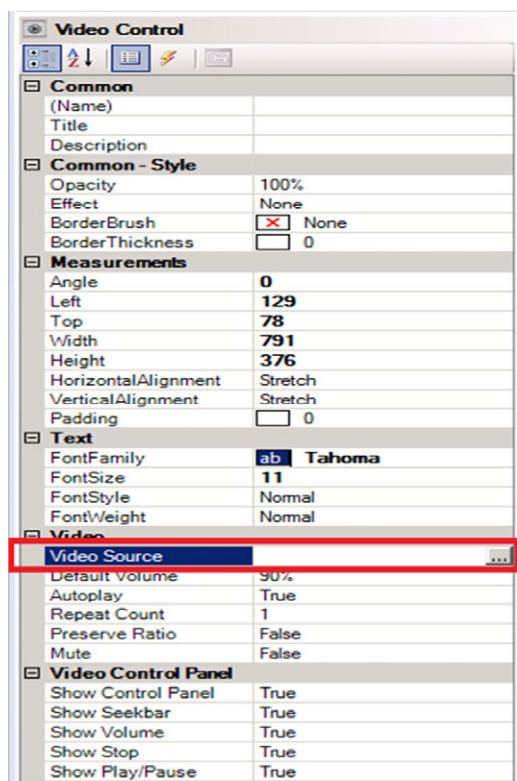


Figure 9 – Selecting Video Source

4. Click the  button to open the Select Video Source dialog.

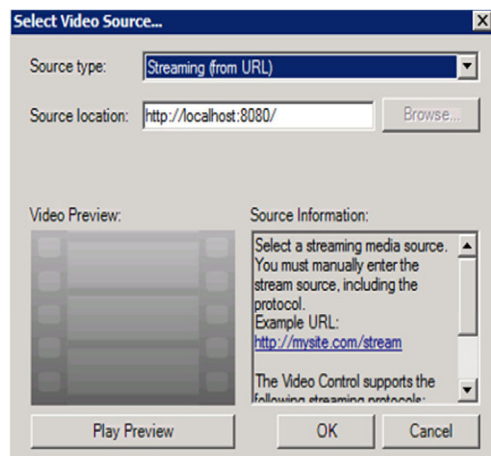


Figure 10 – Video Source Dialog

5. Change the Source type to Streaming (from URL).
6. Enter <http://localhost:8080/> (or whatever address was configured in step 9 of the previous section) in the Source location field.
7. Click OK.
8. Go to runtime. You should have streaming video.

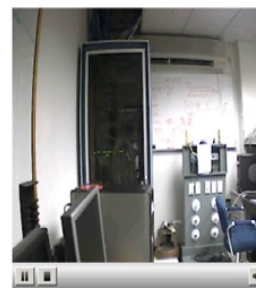


Figure 11 – Streaming Video in GraphWorX64