

Advantech AE Technical Share Document

Date	2015/10/1	SR#	1-2255369099
Category	<input type="checkbox"/> FAQ <input checked="" type="checkbox"/> SOP	Related OS	
Abstract	Open two image windows in Inspector Express API by using C#		
Keyword	Inspector Express, API, C#		
Related Product	Inspector Express		

■ **Problem Description:**

If the customer wants to open two image windows, and not two combined image in one image window.
How to open two image windows in Inspector Express API by using C#?

■ **Brief Solution - Step by Step:**

1. Open C # sample code and add a new PictureBox in it.
2. You need two iClientLib.iClientSetCamWindow functions to open two image windows.
Therefore, add "iClientLib.iClientSetCamWindow(pIClient, 2, pictureBox2.Handle)" under the original iClientLib.iClientSetCamWindow function in the "Form_Load".

```
private void Form1_Load(object sender, System.EventArgs e)
{
    CameraID.Items.Clear();
    CameraID.Items.Add("0");

    pIClient = iClientLib.iClientCreate("loopback");

    if (pIClient != (IntPtr)0 )
    {
        int EngMode;

        GetCurrentState();

        EngMode = iClientLib.iClientGetMode(pIClient);

        Mode.Text= iClientLib.iClientGetModeString(EngMode);

        nLastSolutionID = iClientLib.iClientGetCurrentSolutionID(pIClient);
        UpdateCameraIDCombo ( iClientLib.iClientGetNumOfCameras(pIClient), iClientLib.iClientGetCurrentCameraID(pIClient));
        UpdateSolutionIDCombo(nLastSolutionID);

        Text = iClientLib.iClientGetAppTitle(pIClient) + ", Version: " + iClientLib.iClientGetVersion(pIClient);

        //iClientLib.iClientSetWindow( pIClient, pictureBox1.Handle );
        iClientLib.iClientSetCamWindow(pIClient, 1, pictureBox1.Handle);
        iClientLib.iClientSetCamWindow(pIClient, 2, pictureBox2.Handle);
        iClientLib.iClientSetCamZoom(pIClient, 1, iClientLib.IFW_STRETCH_TO_FIT, iClientLib.IFW_STRETCH_TO_FIT);
        iClientLib.iClientSetResultsCallback(pIClient, resultsCB, pIClient);
    }
}
```

Picture1: sample code

3. Open Engine file in user\user\AppData\Local\Advantech\InspectorExpress\Solutions\Engine. Alter "NumCameras" from one to two in Engine file. Open two workable investigations in Inspector Express and save.
4. Enable Auto Load Solution in configurator.
5. Put well-build executable program in Inspector Express installation files and open the executable

program. Then, it will show two image windows in API.



Picture2: the image in API

■ Reference: