

```
using System;
using System.Drawing;
using System.Collections;
using System.ComponentModel;
using System.Windows.Forms;
using System.Data;
//追加した名前空間
using System.Net;
using System.Net.Sockets;
using System.Threading;
```

```
namespace Client
```

```
{
```

```
/// <summary>
/// Form1 の概要の説明です。
/// </summary>
```

```
public class Form1 : System.Windows.Forms.Form
```

```
{
```

```
private System.Windows.Forms.Button btn_msg;
private System.Windows.Forms.Button btn_connet;
private System.Windows.Forms.TextBox tbox_ip;
private System.Windows.Forms.TextBox tbox_port;
//追加し変数
private TopClient topC = new TopClient();
private System.Windows.Forms.RichTextBox rtbox_msg;
private System.Windows.Forms.Button btn_stop;
private NetworkStream netStream;
private string IP = "";
private Int32 port = 1888;
//private Thread tMain;
private AxMediaPlayer.AxMediaPlayer axMediaPlayer1;
private System.Windows.Forms.MonthCalendar monthCalendar1;
private System.Windows.Forms.Label label1;
private System.Windows.Forms.Button button1;
private System.Windows.Forms.TextBox textBox1;
private System.Windows.Forms.Button btn_seig;
private System.Windows.Forms.Button button2;
private System.Windows.Forms.Button button3;
private System.Windows.Forms.PictureBox pictureBox1;
private System.Windows.Forms.OpenFileDialog openFileDialog1;
private System.Windows.Forms.RichTextBox richTextBox1;
private System.Windows.Forms.Button button4;
private System.Windows.Forms.Button button5;
private AxRVActiveXLib.AxRVViewerX axRVViewerX1;
private System.Windows.Forms.Button button6;
private System.Windows.Forms.Button button8;
private AxRVActiveXLib.AxRVEnvironmentX axRVEnvironmentX1;
private System.Windows.Forms.RichTextBox richTextBox2;
private System.Windows.Forms.RichTextBox richTextBox3;
private System.Windows.Forms.Label label2;
private System.Windows.Forms.Label label3;
private AxRVActiveXLib.AxRVCamManagerX axRVCamManagerX1;
private System.Windows.Forms.TextBox textBox2;
private System.Windows.Forms.Label label4;
private System.Windows.Forms.TextBox textBox3;
private System.Windows.Forms.Label label5;
private System.Windows.Forms.Button button7;
private System.Windows.Forms.Button button9;
```

```
/// <summary>
/// 必要なデザイナ変数です。
/// </summary>
```

```
private System.ComponentModel.Container components = null;
```

```
/// <summary>
/// Windows フォーム デザイナ サポートに必要です。
/// </summary>
```

```
public Form1()
{
```

```

/// Windows フォーム デザイナ サポートに必要です。
InitializeComponent();

/// TODO: InitializeComponent 呼び出しの後に、コンストラクタ コードを追加してください。
}

/// <summary>
/// 使用されているリソースに後処理を実行します。
/// </summary>
protected override void Dispose( bool disposing )
{
    if( disposing )
    {
        if (components != null)
        {
            components.Dispose();
        }
    }
    base.Dispose( disposing );
}

#region Windows Form Designer generated code
/// <summary>
/// デザイナ サポートに必要なメソッドです。このメソッドの内容を
/// コード エディタで変更しないでください。
/// </summary>
private void InitializeComponent()
{
    System.Resources.ResourceManager resources = new System.Resources.ResourceManager( typeof(
(Form1));
    this.btn_msg = new System.Windows.Forms.Button();
    this.btn_connet = new System.Windows.Forms.Button();
    this.tbox_ip = new System.Windows.Forms.TextBox();
    this.tbox_port = new System.Windows.Forms.TextBox();
    this.rtxbox_msg = new System.Windows.Forms.RichTextBox();
    this.btn_stop = new System.Windows.Forms.Button();
    this.btn_seig = new System.Windows.Forms.Button();
    this.axMediaPlayer1 = new AxMediaPlayer.AxMediaPlayer();
    this.monthCalendar1 = new System.Windows.Forms.MonthCalendar();
    this.label1 = new System.Windows.Forms.Label();
    this.button1 = new System.Windows.Forms.Button();
    this.textBox1 = new System.Windows.Forms.TextBox();
    this.button2 = new System.Windows.Forms.Button();
    this.button3 = new System.Windows.Forms.Button();
    this.pictureBox1 = new System.Windows.Forms.PictureBox();
    this.openFileDialog1 = new System.Windows.Forms.OpenFileDialog();
    this.richTextBox1 = new System.Windows.Forms.RichTextBox();
    this.button4 = new System.Windows.Forms.Button();
    this.button5 = new System.Windows.Forms.Button();
    this.axRVViewerX1 = new AxRVActiveXLib.AxRVViewerX();
    this.button6 = new System.Windows.Forms.Button();
    this.button8 = new System.Windows.Forms.Button();
    this.axRVEnvironmentX1 = new AxRVActiveXLib.AxRVEnvironmentX();
    this.richTextBox2 = new System.Windows.Forms.RichTextBox();
    this.richTextBox3 = new System.Windows.Forms.RichTextBox();
    this.label2 = new System.Windows.Forms.Label();
    this.label3 = new System.Windows.Forms.Label();
    this.axRVCamManagerX1 = new AxRVActiveXLib.AxRVCamManagerX();
    this.textBox2 = new System.Windows.Forms.TextBox();
    this.label4 = new System.Windows.Forms.Label();
    this.textBox3 = new System.Windows.Forms.TextBox();
    this.label5 = new System.Windows.Forms.Label();
    this.button7 = new System.Windows.Forms.Button();
    this.button9 = new System.Windows.Forms.Button();
    ((System.ComponentModel.ISupportInitialize)(this.axMediaPlayer1)).BeginInit();
    ((System.ComponentModel.ISupportInitialize)(this.axRVViewerX1)).BeginInit();
    ((System.ComponentModel.ISupportInitialize)(this.axRVEnvironmentX1)).BeginInit();
    ((System.ComponentModel.ISupportInitialize)(this.axRVCamManagerX1)).BeginInit();
}

```

```
this.SuspendLayout();
// btn_msg
this.btn_msg.Location = new System.Drawing.Point(8, 200);
this.btn_msg.Name = "btn_msg";
this.btn_msg.Size = new System.Drawing.Size(88, 23);
this.btn_msg.TabIndex = 0;
this.btn_msg.Text = "メッセージ送信";
this.btn_msg.Click += new System.EventHandler(this.btn_msg_Click);
// btn_connet
this.btn_connet.Location = new System.Drawing.Point(184, 16);
this.btn_connet.Name = "btn_connet";
this.btn_connet.TabIndex = 1;
this.btn_connet.Text = "接続";
this.btn_connet.Click += new System.EventHandler(this.btn_connet_Click);
// tbox_ip
this.tbox_ip.Location = new System.Drawing.Point(0, 24);
this.tbox_ip.Name = "tbox_ip";
this.tbox_ip.TabIndex = 2;
this.tbox_ip.Text = "192.168.1.50";
// tbox_port
this.tbox_port.Location = new System.Drawing.Point(112, 24);
this.tbox_port.Name = "tbox_port";
this.tbox_port.Size = new System.Drawing.Size(40, 19);
this.tbox_port.TabIndex = 3;
this.tbox_port.Text = "700";
// rtbox_msg
this.rtbox_msg.Location = new System.Drawing.Point(0, 48);
this.rtbox_msg.Name = "rtbox_msg";
this.rtbox_msg.ShowSelectionMargin = true;
this.rtbox_msg.Size = new System.Drawing.Size(264, 144);
this.rtbox_msg.TabIndex = 4;
this.rtbox_msg.Text = "Message";
// btn_stop
this.btn_stop.Location = new System.Drawing.Point(216, 200);
this.btn_stop.Name = "btn_stop";
this.btn_stop.Size = new System.Drawing.Size(48, 23);
this.btn_stop.TabIndex = 5;
this.btn_stop.Text = "切断";
this.btn_stop.Click += new System.EventHandler(this.btn_stop_Click);
// btn_seig
this.btn_seig.Location = new System.Drawing.Point(104, 200);
this.btn_seig.Name = "btn_seig";
this.btn_seig.Size = new System.Drawing.Size(96, 23);
this.btn_seig.TabIndex = 6;
this.btn_seig.Text = "制御コマンド送信";
// axMediaPlayer1
this.axMediaPlayer1.Location = new System.Drawing.Point(280, 16);
this.axMediaPlayer1.Name = "axMediaPlayer1";
this.axMediaPlayer1.OcxState = ((System.Windows.Forms.AxHost.State)(resources.GetObject(
"axMediaPlayer1.OcxState")));
this.axMediaPlayer1.Size = new System.Drawing.Size(286, 225);
this.axMediaPlayer1.TabIndex = 7;
// monthCalendar1
this.monthCalendar1.Location = new System.Drawing.Point(8, 256);
this.monthCalendar1.Name = "monthCalendar1";
```

```
this.monthCalendar1.TabIndex = 8;
//
// label1
this.label1.Location = new System.Drawing.Point(280, 256);
this.label1.Name = "label1";
this.label1.Size = new System.Drawing.Size(152, 16);
this.label1.TabIndex = 9;
this.label1.Text = "動画ファイル選択して下さい";
//
// button1
this.button1.Location = new System.Drawing.Point(512, 280);
this.button1.Name = "button1";
this.button1.Size = new System.Drawing.Size(32, 24);
this.button1.TabIndex = 10;
this.button1.Text = "...";
this.button1.Click += new System.EventHandler(this.button1_Click);
//
// textBox1
this.textBox1.Location = new System.Drawing.Point(280, 280);
this.textBox1.Name = "textBox1";
this.textBox1.Size = new System.Drawing.Size(224, 19);
this.textBox1.TabIndex = 11;
this.textBox1.Text = "c:\¥003.avi";
//
// button2
this.button2.Location = new System.Drawing.Point(280, 312);
this.button2.Name = "button2";
this.button2.TabIndex = 12;
this.button2.Text = "動画開始";
this.button2.Click += new System.EventHandler(this.button2_Click);
//
// button3
this.button3.Location = new System.Drawing.Point(368, 312);
this.button3.Name = "button3";
this.button3.TabIndex = 13;
this.button3.Text = "動画停止";
this.button3.Click += new System.EventHandler(this.button3_Click);
//
// pictureBox1
this.pictureBox1.Image = ((System.Drawing.Image) (resources.GetObject("pictureBox1.Image"
)))
this.pictureBox1.Location = new System.Drawing.Point(176, 256);
this.pictureBox1.Name = "pictureBox1";
this.pictureBox1.Size = new System.Drawing.Size(80, 144);
this.pictureBox1.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;
this.pictureBox1.TabIndex = 14;
this.pictureBox1.TabStop = false;
//
// richTextBox1
this.richTextBox1.BackColor = System.Drawing.SystemColors.Window;
this.richTextBox1.ImeMode = System.Windows.Forms.ImeMode.NoControl;
this.richTextBox1.Location = new System.Drawing.Point(8, 424);
this.richTextBox1.Name = "richTextBox1";
this.richTextBox1.RightToLeft = System.Windows.Forms.RightToLeft.No;
this.richTextBox1.Size = new System.Drawing.Size(256, 120);
this.richTextBox1.TabIndex = 15;
this.richTextBox1.Text = "Log List";
//
// button4
this.button4.Location = new System.Drawing.Point(600, 264);
this.button4.Name = "button4";
this.button4.TabIndex = 19;
this.button4.Text = "表示開始";
this.button4.Click += new System.EventHandler(this.button4_Click);
//
```

```
// button5
this.button5.Location = new System.Drawing.Point(600, 296);
this.button5.Name = "button5";
this.button5.TabIndex = 20;
this.button5.Text = "表示終了";
this.button5.Click += new System.EventHandler(this.button5_Click);

// axRVViewerX1
this.axRVViewerX1.CausesValidation = false;
this.axRVViewerX1.Location = new System.Drawing.Point(600, 16);
this.axRVViewerX1.Name = "axRVViewerX1";
this.axRVViewerX1.OcxState = ((System.Windows.Forms.AxHost.State)(resources.GetObject(
"axRVViewerX1.OcxState")));
this.axRVViewerX1.Size = new System.Drawing.Size(272, 200);
this.axRVViewerX1.TabIndex = 24;
this.axRVViewerX1.OnViewCamID += new AxRVActiveXLib.
IRVViewerXEvents_OnViewCamIDEventHandler(this.axRVViewerX1_OnViewCamID);

// button6
this.button6.Location = new System.Drawing.Point(792, 232);
this.button6.Name = "button6";
this.button6.TabIndex = 25;
this.button6.Text = "カメラ制御";
this.button6.Click += new System.EventHandler(this.button6_Click);

// button8
this.button8.Location = new System.Drawing.Point(792, 264);
this.button8.Name = "button8";
this.button8.TabIndex = 27;
this.button8.Text = "アップデート";
this.button8.Click += new System.EventHandler(this.button8_Click);

// axRVEnvironmentX1
this.axRVEnvironmentX1.ImeMode = System.Windows.Forms.ImeMode.NoControl;
this.axRVEnvironmentX1.Location = new System.Drawing.Point(528, 392);
this.axRVEnvironmentX1.Name = "axRVEnvironmentX1";
this.axRVEnvironmentX1.OcxState = ((System.Windows.Forms.AxHost.State)(resources.GetObject(
"axRVEnvironmentX1.OcxState")));
this.axRVEnvironmentX1.Size = new System.Drawing.Size(192, 192);
this.axRVEnvironmentX1.TabIndex = 29;
this.axRVEnvironmentX1.Tag = "";

// richTextBox2
this.richTextBox2.Location = new System.Drawing.Point(280, 424);
this.richTextBox2.Name = "richTextBox2";
this.richTextBox2.Size = new System.Drawing.Size(288, 120);
this.richTextBox2.TabIndex = 30;
this.richTextBox2.Text = "richTextBox2";

// richTextBox3
this.richTextBox3.Location = new System.Drawing.Point(584, 424);
this.richTextBox3.Name = "richTextBox3";
this.richTextBox3.Size = new System.Drawing.Size(288, 120);
this.richTextBox3.TabIndex = 31;
this.richTextBox3.Text = "richTextBox3";

// label2
this.label2.Font = new System.Drawing.Font("MS UI Gothic", 8.25F, System.Drawing.FontStyle.
Regular, System.Drawing.GraphicsUnit.Point, ((System.Byte)(128)));
this.label2.Location = new System.Drawing.Point(0, 8);
this.label2.Name = "label2";
this.label2.Size = new System.Drawing.Size(56, 8);
this.label2.TabIndex = 32;
this.label2.Text = "IPアドレス";
```

```
// label3
this.label3.Font = new System.Drawing.Font("MS UI Gothic", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((System.Byte)(128)));
this.label3.Location = new System.Drawing.Point(112, 8);
this.label3.Name = "label3";
this.label3.Size = new System.Drawing.Size(56, 8);
this.label3.TabIndex = 33;
this.label3.Text = "ポート";

// axRVCamManagerX1
this.axRVCamManagerX1.ImeMode = System.Windows.Forms.ImeMode.Hiragana;
this.axRVCamManagerX1.Location = new System.Drawing.Point(424, 368);
this.axRVCamManagerX1.Name = "axRVCamManagerX1";
this.axRVCamManagerX1.OcxState = ((System.Windows.Forms.AxHost.State)(resources.GetObject("axRVCamManagerX1.OcxState")));
this.axRVCamManagerX1.Size = new System.Drawing.Size(192, 192);
this.axRVCamManagerX1.TabIndex = 34;
this.axRVCamManagerX1.Tag = "axRVEnvironmentX1";
this.axRVCamManagerX1.OnCamManager += new AxRVActiveXLib.IRVCamManagerEvents_OnCamManagerEventHandler(this.axRVCamManagerX1_OnCamManager);

// textBox2
this.textBox2.Location = new System.Drawing.Point(800, 376);
this.textBox2.Name = "textBox2";
this.textBox2.Size = new System.Drawing.Size(64, 19);
this.textBox2.TabIndex = 35;
this.textBox2.Text = "textBox2";

// label4
this.label4.Location = new System.Drawing.Point(744, 376);
this.label4.Name = "label4";
this.label4.Size = new System.Drawing.Size(56, 16);
this.label4.TabIndex = 36;
this.label4.Text = "VBitRate";

// textBox3
this.textBox3.Location = new System.Drawing.Point(800, 352);
this.textBox3.Name = "textBox3";
this.textBox3.Size = new System.Drawing.Size(64, 19);
this.textBox3.TabIndex = 37;
this.textBox3.Text = "textBox3";

// label5
this.label5.Location = new System.Drawing.Point(744, 352);
this.label5.Name = "label5";
this.label5.Size = new System.Drawing.Size(56, 16);
this.label5.TabIndex = 38;
this.label5.Text = "FrmRate";

// button7
this.button7.Location = new System.Drawing.Point(600, 232);
this.button7.Name = "button7";
this.button7.TabIndex = 39;
this.button7.Text = "Cam01接続";
this.button7.Click += new System.EventHandler(this.button7_Click);

// button9
this.button9.Location = new System.Drawing.Point(600, 328);
this.button9.Name = "button9";
this.button9.TabIndex = 40;
this.button9.Text = "Cam01切断";
this.button9.Click += new System.EventHandler(this.button9_Click);

// Form1
```

```

        this.AutoScaleBaseSize = new System.Drawing.Size(5, 12);
        this.CausesValidation = false;
        this.ClientSize = new System.Drawing.Size(880, 557);
        this.Controls.Add(this.button9);
        this.Controls.Add(this.button7);
        this.Controls.Add(this.label5);
        this.Controls.Add(this.textBox3);
        this.Controls.Add(this.label4);
        this.Controls.Add(this.textBox2);
        this.Controls.Add(this.label3);
        this.Controls.Add(this.label2);
        this.Controls.Add(this.richTextBox3);
        this.Controls.Add(this.richTextBox2);
        this.Controls.Add(this.axRVEnvironmentX1);
        this.Controls.Add(this.button8);
        this.Controls.Add(this.button6);
        this.Controls.Add(this.axRVViewerX1);
        this.Controls.Add(this.button5);
        this.Controls.Add(this.button4);
        this.Controls.Add(this.richTextBox1);
        this.Controls.Add(this.pictureBox1);
        this.Controls.Add(this.button3);
        this.Controls.Add(this.button2);
        this.Controls.Add(this.textBox1);
        this.Controls.Add(this.tbox_port);
        this.Controls.Add(this.tbox_ip);
        this.Controls.Add(this.button1);
        this.Controls.Add(this.label1);
        this.Controls.Add(this.monthCalendar1);
        this.Controls.Add(this.axMediaPlayer1);
        this.Controls.Add(this.btn_seig);
        this.Controls.Add(this.btn_stop);
        this.Controls.Add(this.rtbx_msg);
        this.Controls.Add(this.btn_connet);
        this.Controls.Add(this.btn_msg);
        this.Controls.Add(this.axRVCamManagerX1);
        this.KeyPreview = true;
        this.Name = "Form1";
        this.Tag = "";
        this.Text = "Client";
        this.Activated += new System.EventHandler(this.Form1_Activated);
        ((System.ComponentModel.ISupportInitialize)(this.axMediaPlayer1)).EndInit();
        ((System.ComponentModel.ISupportInitialize)(this.axRVViewerX1)).EndInit();
        ((System.ComponentModel.ISupportInitialize)(this.axRVEnvironmentX1)).EndInit();
        ((System.ComponentModel.ISupportInitialize)(this.axRVCamManagerX1)).EndInit();
        this.ResumeLayout(false);
    }
}
#endregion

/// <summary>
/// アプリケーションのメイン エントリ ポイントです。
/// </summary>
[STAThread]
static void Main()
{
    Application.Run(new Form1());
}

//*****
// IPアドレスを指定します
//*****
private void btn_connet_Click(object sender, System.EventArgs e)
{
    port = Int32.Parse(tbox_port.Text.Trim());
    IP = tbox_ip.Text.Trim();
    try
    {
        tcpC.Connect(IP, port);
        netStream = tcpC.GetStream();
        Thread t = new Thread(new ThreadStart(receive));
        t.IsBackground = true;
        t.Start();
    }
}

```

```

        rtbox_msg.AppendText("接続しました。¥r¥n");
    }
    catch(Exception ee)
    {
        MessageBox.Show(ee.Message);
    }
}

//*****
//サーバーからデータを受信します
//*****

private void receive()
{
    while(true)
    {
        try
        {
            //byte [] bb = new byte [1024];
            //netStream.Read(bb, 0, bb.Length);
            //string msgFromServer = System.Text.Encoding.UTF8.GetString(bb);
            //rtbox_msg.AppendText(msgFromServer);

            int ICamID = 1;
            int ICh = 0;
            int ISize = 1024;
            byte[] bData = new byte[1024];
            string GetSIO = "1234";
            GetSIO = axRVCamManagerX1.GetSIOData(ICamID, ICh, ISize, ref bData[0]).ToString();
            if (GetSIO != null)
            {
                rtbox_msg.AppendText(bData[0].ToString() + GetSIO.ToString());
            }

            int FrmRate = 01;
            int VBRate = 01;
            FrmRate = axRVCamManagerX1.GetCurrFrmRate(1);
            VBRate = axRVCamManagerX1.GetCurrVBitRate(1);
            textBox3.Text = FrmRate.ToString();
            textBox2.Text = VBRate.ToString();
        }
        catch
        {
        }
    }
}

//*****
//メッセージ送信用関数です
//*****
private void sendMsg()
{
    try
    {
        byte [] bb = new byte[1024];
        string sendMsg = "Client >>> " + rtbox_msg.Text + "¥r¥n";
        bb = System.Text.Encoding.UTF8.GetBytes(sendMsg.ToCharArray());
        netStream.Write(bb, 0, bb.Length);
        netStream.Flush();
    }
    catch
    {
        MessageBox.Show("送信できません");
    }
}

//*****
//制御送信用関数です
//*****

```



```
private void sendMsg1()
{
    try
    {
        byte [] bb = new byte[1];
        string sendMsg = "b¥r¥n";
        bb = System.Text.Encoding.UTF8.GetBytes(sendMsg.ToCharArray());
        netStream.Write(bb, 0, bb.Length);
        netStream.Flush();
    }
    catch
    {
        MessageBox.Show("送信できません");
    }
}

//*****
// メッセージボタンがクリックしたら、送信する関数を呼び出します
//*****
private void btn_msg_Click(object sender, System.EventArgs e)
{
    sendMsg();
}

//*****
// 制御ボタンがクリックしたら、送信する関数を呼び出します
//*****
private void btn_seig_Click(object sender, System.EventArgs e)
{
    sendMsg1();
}

//*****
// 切断ボタンがクリックしたら、今の接続を切断します
//*****
private void btn_stop_Click(object sender, System.EventArgs e)
{
    try
    {
        rtbox_msg.AppendText("¥r¥n切断しました。¥r¥n");
        netStream.Close();
        tcpC.Close();
    }
    catch
    {
    }
}

//*****
// 動画ファイルを再生します
//*****
private void button1_Click(object sender, System.EventArgs e)
{
    String strFileName = ""; // ファイル名
    int intindex = 1; // "¥"の文字位置

    // ファイルを開くダイアログの表示
    if(openFileDialog1.ShowDialog() == DialogResult.OK)
    {
        strFileName = openFileDialog1.FileName; // ファイルのフルパス取得
        intindex = strFileName.LastIndexOf("¥¥"); // "¥"の文字位置の取得
        textBox1.Text = strFileName.Substring(intindex + 1); // ファイル名のみ表示
    }
}

private void button2_Click(object sender, System.EventArgs e)
{
    axMediaPlayer1.FileName = textBox1.Text; // 再生ファイルを指定
}
```

```
        axMediaPlayer1.Play(); // 再生
    }

    private void button3_Click(object sender, System.EventArgs e)
    {
        axMediaPlayer1.Stop(); // 停止
    }
}
```

```
//*****
// ここからIPカメラの処理をおこないます。
//*****
```

```
//*****
// 初期設定をします。
//*****
private void Form1_Activated(object sender, System.EventArgs e)
{
    string Msg = "Cam Open";//ログ書き込み
    axRVEnvironmentX1.LoadEnviFile();
    axRVEnvironmentX1.LoadCamFile(1);
    axRVEnvironmentX1.IStatusEvtEnable = 1;
    axRVEnvironmentX1.bInternalLogEnable = true;
    axRVEnvironmentX1.bLogFileEnable = true;
    axRVEnvironmentX1.Enabled = true;
    axRVCamManagerX1.Enabled = true;
    axRVCamManagerX1.Writelog(01,Msg);
    axRVEnvironmentX1.SaveCamFile(1);
    axRVEnvironmentX1.SaveEnviFile();
    axRVEnvironmentX1.Focus();
    axRVCamManagerX1.Focus();

    richTextBox1.AppendText("¥r¥n axRVCamManagerX1 Focus。");
}
}
```

```
//*****
// Cam01に接続します。
//*****
private void button7_Click(object sender, System.EventArgs e)
{
    axRVCamManagerX1.Connect(1); // IPカメラに接続
    richTextBox1.AppendText("¥r¥n IPカメラに接続しました。");
}
}
```

```
//*****
// Cam01を切断します。
//*****
private void button9_Click(object sender, System.EventArgs e)
{
    axRVCamManagerX1.Disconnect(1); // IPカメラを切断
    richTextBox1.AppendText("IPカメラを切断しました。");
}
}
```

```
//*****
// Cam01を表示します。
//*****
private void button4_Click(object sender, System.EventArgs e)
{
    //axRVCamManagerX1.OpenCamDriver(1,0); // カメラドライバーオープン
    axRVViewerX1.OpenCamID(1); // Viewerをオープン
}
}
```

```
//*****
// Cam01の表示を消します。
//*****
private void button5_Click(object sender, System.EventArgs e)
{
    string Msg = "Cam Close";//ログ書き込み
    axRVEnvironmentX1.LoadEnviFile();
    axRVEnvironmentX1.LoadCamFile(1);
    axRVCamManagerX1.Writelog(01,Msg);
}
}
```

```

    axRVEnvironmentX1.SaveEnviFile();
    axRVEnvironmentX1.SaveCamFile(1);

    //axRVCamManagerX1.CloseCamDriver(1,0); // カメラドライバークローズ
    axRVViewerX1.CloseCamID(1); // Viewerをクローズ
}

//*****
// IPカメラのSIOにH8制御コマンドを出力します。
//*****
private byte[] SoBuffer = new byte[1]; //送信バッファ
private void button6_Click(object sender, System.EventArgs e) //制御鈕押下
{
    int sendData;
    sendData = 0x39; //送信データの設定
    byte[] SoBuffer = BitConverter.GetBytes(sendData); //INT型をBYTE型に変換
    axRVCamManagerX1.PutSIOData(1,0,2,ref SoBuffer[0]); //カメラに送信
    richTextBox3.AppendText("IPカメラに制御出力しました。" + SoBuffer[0]);
}

//*****
// IPカメラのアップデート。
//*****
private void button8_Click(object sender, System.EventArgs e)
{
    axRVEnvironmentX1.LoadEnviFile();
    axRVEnvironmentX1.LoadCamFile(1);
    axRVEnvironmentX1.UpdateCamSetting();
    richTextBox3.AppendText("アップデートしました。");
}

//*****
// ここからイベントハンドラーの処理をおこないます。
//*****
//*****
// IPカメラからOnViewCamIDを取得します。
//*****
private void axRVViewerX1_OnViewCamID(object sender, AxRVActiveXLib.
IRVViewerXEvents_OnViewCamIDEvent e)
{
    try
    {
        richTextBox2.AppendText("¥r¥n*OnViewCamID= " + e.sMsg);
    }
    catch
    {
        MessageBox.Show("取得できませんNO4。");
    }
}

//*****
// IPカメラからOnCamManagerを取得します。
//*****
private void axRVCamManagerX1_OnCamManager(object sender, AxRVActiveXLib.
IRVCamManagerXEvents_OnCamManagerEvent e)
{
    try
    {
        richTextBox3.AppendText("¥r¥n*OnCamManager=" + e.sMsg);
    }
    catch
    {
        MessageBox.Show("取得できませんNO3。");
    }
}

//*****
}
}

```