How to set video audio settings in C# using ByteScout Screen Capturing SDK

The tutorial below will demonstrate how to set video audio settings in C#

Learn how to set video audio settings in C# with this source code sample. What is ByteScout Screen Capturing SDK? It is the SDK for developers for quick implementation of screen video recording. The SDK records screen into video or into a series of screenshots. Can also record audio. Saves video into AVI,WMV and Google's WebM. Output video quality, size, resolution or framerate can be adjusted easily. Provides additional tools for privacy features like blacking out on scren areas with sensitive information on screen right during recording. Supports web camera as input and can add instant text and images into video output. It can help you to set video audio settings in your C# application.

This code snippet below for ByteScout Screen Capturing SDK works best when you need to quickly set video audio settings in your C# application. In order to implement the functionality, you should copy and paste this code for C# below into your code editor with your app, compile and run your application. Enjoy writing a code with ready-to-use sample C# codes.

Trial version of ByteScout Screen Capturing SDK is available for free. Source code samples are included to help you with your C# app.

FOR MORE INFORMATION AND FREE TRIAL:

Download Free Trial SDK (on-premise version)

Read more about ByteScout Screen Capturing SDK

Explore API Documentation

Get Free Training for ByteScout Screen Capturing SDK

Get Free API key for Web API

visit www.ByteScout.com

Source Code Files:

Form1.Designer.cs

```csharp
namespace VideoAudioSettings
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be dispose
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            this.groupBox3 = new System.Windows.Forms.GroupBox();
            this.cmbAudioDevices = new System.Windows.Forms.ComboBox();
            this.label9 = new System.Windows.Forms.Label();
            this.cmbAudioLines = new System.Windows.Forms.ComboBox();
            this.label1 = new System.Windows.Forms.Label();
            this.cbEnableAudio = new System.Windows.Forms.CheckBox();
            this.groupBox2 = new System.Windows.Forms.GroupBox();
            this.tabControl1 = new System.Windows.Forms.TabControl();
            this.tabPageWmv = new System.Windows.Forms.TabPage();
            this.cmbWmvAudioFormats = new System.Windows.Forms.ComboBox();
            this.label12 = new System.Windows.Forms.Label();
            this.cmbWmvAudioCodecs = new System.Windows.Forms.ComboBox();
            this.label10 = new System.Windows.Forms.Label();
            this.cmbWmvVideoCodecs = new System.Windows.Forms.ComboBox();
            this.label11 = new System.Windows.Forms.Label();
            this.tabPageAvi = new System.Windows.Forms.TabPage();
            this.cmbAviAudioCodecs = new System.Windows.Forms.ComboBox();
            this.btnVideoCodecProps = new System.Windows.Forms.Button();
            this.label3 = new System.Windows.Forms.Label();
            this.cmbAviVideoCodecs = new System.Windows.Forms.ComboBox();
            this.label2 = new System.Windows.Forms.Label();
            this.groupBox1 = new System.Windows.Forms.GroupBox();
            this.label8 = new System.Windows.Forms.Label();
```

```csharp
            this.tbHeight = new System.Windows.Forms.TextBox();
            this.label7 = new System.Windows.Forms.Label();
            this.tbWidth = new System.Windows.Forms.TextBox();
            this.label6 = new System.Windows.Forms.Label();
            this.label5 = new System.Windows.Forms.Label();
            this.tbY = new System.Windows.Forms.TextBox();
            this.tbX = new System.Windows.Forms.TextBox();
            this.rbFullscreen = new System.Windows.Forms.RadioButton();
            this.rbRegionAroundMouse = new System.Windows.Forms.RadioButton();
            this.rbRectRegion = new System.Windows.Forms.RadioButton();
            this.btnStopRecording = new System.Windows.Forms.Button();
            this.btnStartRecording = new System.Windows.Forms.Button();
            this.groupBox4 = new System.Windows.Forms.GroupBox();
            this.label18 = new System.Windows.Forms.Label();
            this.nudMouseHotSpot = new System.Windows.Forms.NumericUpDown();
            this.cbCaptureLayeredWindows = new System.Windows.Forms.CheckBox();
            this.linkViewLog = new System.Windows.Forms.LinkLabel();
            this.cbLog = new System.Windows.Forms.CheckBox();
            this.cmbFPS = new System.Windows.Forms.ComboBox();
            this.label4 = new System.Windows.Forms.Label();
            this.groupBox5 = new System.Windows.Forms.GroupBox();
            this.label14 = new System.Windows.Forms.Label();
            this.cmbWebCameras = new System.Windows.Forms.ComboBox();
            this.tbWebCameraHeight = new System.Windows.Forms.TextBox();
            this.label13 = new System.Windows.Forms.Label();
            this.label15 = new System.Windows.Forms.Label();
            this.cbShowWebCamOverlay = new System.Windows.Forms.CheckBox();
            this.tbWebCameraWidth = new System.Windows.Forms.TextBox();
            this.tbWebCameraY = new System.Windows.Forms.TextBox();
            this.label16 = new System.Windows.Forms.Label();
            this.tbWebCameraX = new System.Windows.Forms.TextBox();
            this.label17 = new System.Windows.Forms.Label();
            this.tableLayoutPanel1 = new System.Windows.Forms.TableLayoutPanel();
            this.btnPauseRecording = new System.Windows.Forms.Button();
            this.label19 = new System.Windows.Forms.Label();
            this.groupBox3.SuspendLayout();
            this.groupBox2.SuspendLayout();
            this.tabControl1.SuspendLayout();
            this.tabPageWmv.SuspendLayout();
            this.tabPageAvi.SuspendLayout();
            this.groupBox1.SuspendLayout();
            this.groupBox4.SuspendLayout();
            ((System.ComponentModel.ISupportInitialize)(this.nudMouseHotSpot)).BeginIni
            this.groupBox5.SuspendLayout();
            this.tableLayoutPanel1.SuspendLayout();
            this.SuspendLayout();
            // 
            // groupBox3
            // 
            this.groupBox3.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.Windo
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.groupBox3.Controls.Add(this.cmbAudioDevices);
            this.groupBox3.Controls.Add(this.label9);
            this.groupBox3.Controls.Add(this.cmbAudioLines);
            this.groupBox3.Controls.Add(this.label1);
            this.groupBox3.Controls.Add(this.cbEnableAudio);
            this.groupBox3.Location = new System.Drawing.Point(12, 12);
            this.groupBox3.Name = "groupBox3";
            this.groupBox3.Size = new System.Drawing.Size(541, 75);
            this.groupBox3.TabIndex = 0;
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```csharp
            this.groupBox3.TabStop = false;
            this.groupBox3.Text = "Auidio Input";
            //
            // cmbAudioDevices
            //
            this.cmbAudioDevices.Anchor = ((System.Windows.Forms.AnchorStyles)(((System
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.cmbAudioDevices.DropDownStyle = System.Windows.Forms.ComboBoxStyle.Dro
            this.cmbAudioDevices.FormattingEnabled = true;
            this.cmbAudioDevices.Location = new System.Drawing.Point(53, 42);
            this.cmbAudioDevices.Name = "cmbAudioDevices";
            this.cmbAudioDevices.Size = new System.Drawing.Size(227, 21);
            this.cmbAudioDevices.TabIndex = 1;
            this.cmbAudioDevices.SelectedIndexChanged += new System.EventHandler(this.
            //
            // label9
            //
            this.label9.AutoSize = true;
            this.label9.Location = new System.Drawing.Point(6, 45);
            this.label9.Name = "label9";
            this.label9.Size = new System.Drawing.Size(41, 13);
            this.label9.TabIndex = 5;
            this.label9.Text = "Device";
            //
            // cmbAudioLines
            //
            this.cmbAudioLines.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.W
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.cmbAudioLines.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropD
            this.cmbAudioLines.FormattingEnabled = true;
            this.cmbAudioLines.Location = new System.Drawing.Point(319, 42);
            this.cmbAudioLines.Name = "cmbAudioLines";
            this.cmbAudioLines.Size = new System.Drawing.Size(216, 21);
            this.cmbAudioLines.TabIndex = 2;
            //
            // label1
            //
            this.label1.AutoSize = true;
            this.label1.Location = new System.Drawing.Point(286, 45);
            this.label1.Name = "label1";
            this.label1.Size = new System.Drawing.Size(27, 13);
            this.label1.TabIndex = 3;
            this.label1.Text = "Line";
            //
            // cbEnableAudio
            //
            this.cbEnableAudio.AutoSize = true;
            this.cbEnableAudio.Checked = true;
            this.cbEnableAudio.CheckState = System.Windows.Forms.CheckState.Checked;
            this.cbEnableAudio.Location = new System.Drawing.Point(9, 19);
            this.cbEnableAudio.Name = "cbEnableAudio";
            this.cbEnableAudio.Size = new System.Drawing.Size(89, 17);
            this.cbEnableAudio.TabIndex = 0;
            this.cbEnableAudio.Text = "Enable Audio";
            this.cbEnableAudio.UseVisualStyleBackColor = true;
            this.cbEnableAudio.CheckedChanged += new System.EventHandler(this.cbEnableA
            //
            // groupBox2
            //
            this.groupBox2.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.Windo
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                        | System.Windows.Forms.AnchorStyles.Right)));
            this.groupBox2.Controls.Add(this.tabControl1);
            this.groupBox2.Location = new System.Drawing.Point(12, 175);
            this.groupBox2.Name = "groupBox2";
            this.groupBox2.Size = new System.Drawing.Size(541, 143);
            this.groupBox2.TabIndex = 2;
            this.groupBox2.TabStop = false;
            this.groupBox2.Text = "Output Video Format (SELECT TAB TO SELECT VIDEO FORM
            //
            // tabControl1
            //
            this.tabControl1.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.Win
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.tabControl1.Controls.Add(this.tabPageWmv);
            this.tabControl1.Controls.Add(this.tabPageAvi);
            this.tabControl1.Location = new System.Drawing.Point(6, 19);
            this.tabControl1.Name = "tabControl1";
            this.tabControl1.SelectedIndex = 0;
            this.tabControl1.Size = new System.Drawing.Size(529, 116);
            this.tabControl1.TabIndex = 8;
            //
            // tabPageWmv
            //
            this.tabPageWmv.Controls.Add(this.cmbWmvAudioFormats);
            this.tabPageWmv.Controls.Add(this.label12);
            this.tabPageWmv.Controls.Add(this.cmbWmvAudioCodecs);
            this.tabPageWmv.Controls.Add(this.label10);
            this.tabPageWmv.Controls.Add(this.cmbWmvVideoCodecs);
            this.tabPageWmv.Controls.Add(this.label11);
            this.tabPageWmv.Location = new System.Drawing.Point(4, 22);
            this.tabPageWmv.Name = "tabPageWmv";
            this.tabPageWmv.Padding = new System.Windows.Forms.Padding(3);
            this.tabPageWmv.Size = new System.Drawing.Size(521, 90);
            this.tabPageWmv.TabIndex = 1;
            this.tabPageWmv.Text = "WMV Format";
            this.tabPageWmv.UseVisualStyleBackColor = true;
            //
            // cmbWmvAudioFormats
            //
            this.cmbWmvAudioFormats.Anchor = ((System.Windows.Forms.AnchorStyles)(((Sys
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.cmbWmvAudioFormats.DropDownStyle = System.Windows.Forms.ComboBoxStyle
            this.cmbWmvAudioFormats.FormattingEnabled = true;
            this.cmbWmvAudioFormats.Location = new System.Drawing.Point(50, 33);
            this.cmbWmvAudioFormats.Name = "cmbWmvAudioFormats";
            this.cmbWmvAudioFormats.Size = new System.Drawing.Size(465, 21);
            this.cmbWmvAudioFormats.TabIndex = 1;
            //
            // label12
            //
            this.label12.AutoSize = true;
            this.label12.Location = new System.Drawing.Point(6, 36);
            this.label12.Name = "label12";
            this.label12.Size = new System.Drawing.Size(39, 13);
            this.label12.TabIndex = 14;
            this.label12.Text = "Format";
            //
            // cmbWmvAudioCodecs
            //
            this.cmbWmvAudioCodecs.Anchor = ((System.Windows.Forms.AnchorStyles)(((Syst
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                    | System.Windows.Forms.AnchorStyles.Right)));
this.cmbWmvAudioCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle.[
this.cmbWmvAudioCodecs.FormattingEnabled = true;
this.cmbWmvAudioCodecs.Location = new System.Drawing.Point(50, 6);
this.cmbWmvAudioCodecs.Name = "cmbWmvAudioCodecs";
this.cmbWmvAudioCodecs.Size = new System.Drawing.Size(465, 21);
this.cmbWmvAudioCodecs.TabIndex = 0;
this.cmbWmvAudioCodecs.SelectedIndexChanged += new System.EventHandler(this
//
// label10
//
this.label10.AutoSize = true;
this.label10.Location = new System.Drawing.Point(6, 63);
this.label10.Name = "label10";
this.label10.Size = new System.Drawing.Size(34, 13);
this.label10.TabIndex = 12;
this.label10.Text = "Video";
//
// cmbWmvVideoCodecs
//
this.cmbWmvVideoCodecs.Anchor = ((System.Windows.Forms.AnchorStyles)(((Syst
                    | System.Windows.Forms.AnchorStyles.Right)));
this.cmbWmvVideoCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle.[
this.cmbWmvVideoCodecs.FormattingEnabled = true;
this.cmbWmvVideoCodecs.Location = new System.Drawing.Point(50, 60);
this.cmbWmvVideoCodecs.Name = "cmbWmvVideoCodecs";
this.cmbWmvVideoCodecs.Size = new System.Drawing.Size(465, 21);
this.cmbWmvVideoCodecs.TabIndex = 2;
//
// label11
//
this.label11.AutoSize = true;
this.label11.Location = new System.Drawing.Point(6, 9);
this.label11.Name = "label11";
this.label11.Size = new System.Drawing.Size(34, 13);
this.label11.TabIndex = 11;
this.label11.Text = "Audio";
//
// tabPageAvi
//
this.tabPageAvi.Controls.Add(this.cmbAviAudioCodecs);
this.tabPageAvi.Controls.Add(this.btnVideoCodecProps);
this.tabPageAvi.Controls.Add(this.label3);
this.tabPageAvi.Controls.Add(this.cmbAviVideoCodecs);
this.tabPageAvi.Controls.Add(this.label2);
this.tabPageAvi.Location = new System.Drawing.Point(4, 22);
this.tabPageAvi.Name = "tabPageAvi";
this.tabPageAvi.Padding = new System.Windows.Forms.Padding(3);
this.tabPageAvi.Size = new System.Drawing.Size(521, 90);
this.tabPageAvi.TabIndex = 2;
this.tabPageAvi.Text = "AVI format";
this.tabPageAvi.UseVisualStyleBackColor = true;
//
// cmbAviAudioCodecs
//
this.cmbAviAudioCodecs.Anchor = ((System.Windows.Forms.AnchorStyles)(((Syst
                    | System.Windows.Forms.AnchorStyles.Right)));
this.cmbAviAudioCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle.[
this.cmbAviAudioCodecs.FormattingEnabled = true;
this.cmbAviAudioCodecs.Location = new System.Drawing.Point(49, 19);
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```csharp
this.cmbAviAudioCodecs.Name = "cmbAviAudioCodecs";
this.cmbAviAudioCodecs.Size = new System.Drawing.Size(434, 21);
this.cmbAviAudioCodecs.TabIndex = 0;
//
// btnVideoCodecProps
//
this.btnVideoCodecProps.Anchor = ((System.Windows.Forms.AnchorStyles)((Syst
this.btnVideoCodecProps.Image = global::VideoAudioSettings.Properties.Resou
this.btnVideoCodecProps.Location = new System.Drawing.Point(489, 42);
this.btnVideoCodecProps.Name = "btnVideoCodecProps";
this.btnVideoCodecProps.Size = new System.Drawing.Size(26, 26);
this.btnVideoCodecProps.TabIndex = 2;
this.btnVideoCodecProps.UseVisualStyleBackColor = true;
//
// label3
//
this.label3.AutoSize = true;
this.label3.Location = new System.Drawing.Point(5, 49);
this.label3.Name = "label3";
this.label3.Size = new System.Drawing.Size(34, 13);
this.label3.TabIndex = 7;
this.label3.Text = "Video";
//
// cmbAviVideoCodecs
//
this.cmbAviVideoCodecs.Anchor = ((System.Windows.Forms.AnchorStyles)(((Syst
            | System.Windows.Forms.AnchorStyles.Right)));
this.cmbAviVideoCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle.[
this.cmbAviVideoCodecs.FormattingEnabled = true;
this.cmbAviVideoCodecs.Location = new System.Drawing.Point(49, 46);
this.cmbAviVideoCodecs.Name = "cmbAviVideoCodecs";
this.cmbAviVideoCodecs.Size = new System.Drawing.Size(434, 21);
this.cmbAviVideoCodecs.TabIndex = 1;
//
// label2
//
this.label2.AutoSize = true;
this.label2.Location = new System.Drawing.Point(5, 22);
this.label2.Name = "label2";
this.label2.Size = new System.Drawing.Size(34, 13);
this.label2.TabIndex = 5;
this.label2.Text = "Audio";
//
// groupBox1
//
this.groupBox1.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.Windo
            | System.Windows.Forms.AnchorStyles.Right)));
this.groupBox1.Controls.Add(this.label8);
this.groupBox1.Controls.Add(this.tbHeight);
this.groupBox1.Controls.Add(this.label7);
this.groupBox1.Controls.Add(this.tbWidth);
this.groupBox1.Controls.Add(this.label6);
this.groupBox1.Controls.Add(this.label5);
this.groupBox1.Controls.Add(this.tbY);
this.groupBox1.Controls.Add(this.tbX);
this.groupBox1.Controls.Add(this.rbFullscreen);
this.groupBox1.Controls.Add(this.rbRegionAroundMouse);
this.groupBox1.Controls.Add(this.rbRectRegion);
this.groupBox1.Location = new System.Drawing.Point(12, 403);
this.groupBox1.Name = "groupBox1";
```

```csharp
            this.groupBox1.Size = new System.Drawing.Size(541, 91);
            this.groupBox1.TabIndex = 4;
            this.groupBox1.TabStop = false;
            this.groupBox1.Text = "Capture";
            //
            // label8
            //
            this.label8.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.
            this.label8.AutoSize = true;
            this.label8.Location = new System.Drawing.Point(440, 47);
            this.label8.Name = "label8";
            this.label8.Size = new System.Drawing.Size(38, 13);
            this.label8.TabIndex = 10;
            this.label8.Text = "Height";
            this.label8.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // tbHeight
            //
            this.tbHeight.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows
            this.tbHeight.Location = new System.Drawing.Point(484, 44);
            this.tbHeight.Name = "tbHeight";
            this.tbHeight.Size = new System.Drawing.Size(48, 20);
            this.tbHeight.TabIndex = 6;
            this.tbHeight.Text = "480";
            //
            // label7
            //
            this.label7.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.
            this.label7.AutoSize = true;
            this.label7.Location = new System.Drawing.Point(344, 47);
            this.label7.Name = "label7";
            this.label7.Size = new System.Drawing.Size(35, 13);
            this.label7.TabIndex = 8;
            this.label7.Text = "Width";
            this.label7.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // tbWidth
            //
            this.tbWidth.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows
            this.tbWidth.Location = new System.Drawing.Point(385, 44);
            this.tbWidth.Name = "tbWidth";
            this.tbWidth.Size = new System.Drawing.Size(48, 20);
            this.tbWidth.TabIndex = 5;
            this.tbWidth.Text = "640";
            //
            // label6
            //
            this.label6.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.
            this.label6.AutoSize = true;
            this.label6.Location = new System.Drawing.Point(464, 21);
            this.label6.Name = "label6";
            this.label6.Size = new System.Drawing.Size(14, 13);
            this.label6.TabIndex = 6;
            this.label6.Text = "Y";
            this.label6.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // label5
            //
            this.label5.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.
            this.label5.AutoSize = true;
```

```csharp
            this.label5.Location = new System.Drawing.Point(365, 21);
            this.label5.Name = "label5";
            this.label5.Size = new System.Drawing.Size(14, 13);
            this.label5.TabIndex = 5;
            this.label5.Text = "X";
            this.label5.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // tbY
            //
            this.tbY.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.For
            this.tbY.Location = new System.Drawing.Point(484, 18);
            this.tbY.Name = "tbY";
            this.tbY.Size = new System.Drawing.Size(48, 20);
            this.tbY.TabIndex = 4;
            this.tbY.Text = "0";
            //
            // tbX
            //
            this.tbX.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.For
            this.tbX.Location = new System.Drawing.Point(385, 18);
            this.tbX.Name = "tbX";
            this.tbX.Size = new System.Drawing.Size(48, 20);
            this.tbX.TabIndex = 3;
            this.tbX.Text = "0";
            //
            // rbFullscreen
            //
            this.rbFullscreen.AutoSize = true;
            this.rbFullscreen.Checked = true;
            this.rbFullscreen.Location = new System.Drawing.Point(9, 65);
            this.rbFullscreen.Name = "rbFullscreen";
            this.rbFullscreen.Size = new System.Drawing.Size(76, 17);
            this.rbFullscreen.TabIndex = 2;
            this.rbFullscreen.TabStop = true;
            this.rbFullscreen.Text = "Full screen";
            this.rbFullscreen.UseVisualStyleBackColor = true;
            this.rbFullscreen.CheckedChanged += new System.EventHandler(this.rbFullscre
            //
            // rbRegionAroundMouse
            //
            this.rbRegionAroundMouse.AutoSize = true;
            this.rbRegionAroundMouse.Location = new System.Drawing.Point(9, 42);
            this.rbRegionAroundMouse.Name = "rbRegionAroundMouse";
            this.rbRegionAroundMouse.Size = new System.Drawing.Size(147, 17);
            this.rbRegionAroundMouse.TabIndex = 1;
            this.rbRegionAroundMouse.Text = "Region around the mouse";
            this.rbRegionAroundMouse.UseVisualStyleBackColor = true;
            this.rbRegionAroundMouse.CheckedChanged += new System.EventHandler(this.rbR
            //
            // rbRectRegion
            //
            this.rbRectRegion.AutoSize = true;
            this.rbRectRegion.Location = new System.Drawing.Point(9, 19);
            this.rbRectRegion.Name = "rbRectRegion";
            this.rbRectRegion.Size = new System.Drawing.Size(115, 17);
            this.rbRectRegion.TabIndex = 0;
            this.rbRectRegion.Text = "Rectangular region";
            this.rbRectRegion.UseVisualStyleBackColor = true;
            this.rbRectRegion.CheckedChanged += new System.EventHandler(this.rbRectRegi
            //
```

```csharp
// btnStopRecording
//
this.btnStopRecording.Anchor = ((System.Windows.Forms.AnchorStyles)((((Sys
            | System.Windows.Forms.AnchorStyles.Left)
            | System.Windows.Forms.AnchorStyles.Right)));
this.btnStopRecording.Enabled = false;
this.btnStopRecording.Font = new System.Drawing.Font("Tahoma", 8.25F, Syst
this.btnStopRecording.Location = new System.Drawing.Point(243, 3);
this.btnStopRecording.Name = "btnStopRecording";
this.btnStopRecording.Size = new System.Drawing.Size(114, 70);
this.btnStopRecording.TabIndex = 2;
this.btnStopRecording.Text = "Stop Recording";
this.btnStopRecording.UseVisualStyleBackColor = true;
this.btnStopRecording.Click += new System.EventHandler(this.btnStopRecordir
//
// btnStartRecording
//
this.btnStartRecording.Anchor = ((System.Windows.Forms.AnchorStyles)((((Sys
            | System.Windows.Forms.AnchorStyles.Left)
            | System.Windows.Forms.AnchorStyles.Right)));
this.btnStartRecording.Font = new System.Drawing.Font("Tahoma", 8.25F, Syst
this.btnStartRecording.Location = new System.Drawing.Point(0, 3);
this.btnStartRecording.Margin = new System.Windows.Forms.Padding(0, 3, 3, 
this.btnStartRecording.Name = "btnStartRecording";
this.btnStartRecording.Size = new System.Drawing.Size(117, 70);
this.btnStartRecording.TabIndex = 0;
this.btnStartRecording.Text = "Start Recording";
this.btnStartRecording.UseVisualStyleBackColor = true;
this.btnStartRecording.Click += new System.EventHandler(this.btnStartRecord
//
// groupBox4
//
this.groupBox4.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.Windo
            | System.Windows.Forms.AnchorStyles.Right)));
this.groupBox4.Controls.Add(this.label18);
this.groupBox4.Controls.Add(this.nudMouseHotSpot);
this.groupBox4.Controls.Add(this.cbCaptureLayeredWindows);
this.groupBox4.Controls.Add(this.linkViewLog);
this.groupBox4.Controls.Add(this.cbLog);
this.groupBox4.Controls.Add(this.cmbFPS);
this.groupBox4.Controls.Add(this.label4);
this.groupBox4.Location = new System.Drawing.Point(12, 324);
this.groupBox4.Name = "groupBox4";
this.groupBox4.Size = new System.Drawing.Size(541, 73);
this.groupBox4.TabIndex = 3;
this.groupBox4.TabStop = false;
this.groupBox4.Text = "Misc";
//
// label18
//
this.label18.AutoSize = true;
this.label18.Location = new System.Drawing.Point(189, 22);
this.label18.Name = "label18";
this.label18.Size = new System.Drawing.Size(111, 13);
this.label18.TabIndex = 6;
this.label18.Text = "Mouse hot spot radius";
//
// nudMouseHotSpot
//
this.nudMouseHotSpot.Location = new System.Drawing.Point(123, 19);
```

```csharp
            this.nudMouseHotSpot.Minimum = new decimal(new int[] {
            1,
            0,
            0,
            0});
            this.nudMouseHotSpot.Name = "nudMouseHotSpot";
            this.nudMouseHotSpot.Size = new System.Drawing.Size(60, 20);
            this.nudMouseHotSpot.TabIndex = 1;
            this.nudMouseHotSpot.Value = new decimal(new int[] {
            1,
            0,
            0,
            0});
            //
            // cbCaptureLayeredWindows
            //
            this.cbCaptureLayeredWindows.AutoSize = true;
            this.cbCaptureLayeredWindows.Location = new System.Drawing.Point(6, 46);
            this.cbCaptureLayeredWindows.Name = "cbCaptureLayeredWindows";
            this.cbCaptureLayeredWindows.Size = new System.Drawing.Size(499, 17);
            this.cbCaptureLayeredWindows.TabIndex = 2;
            this.cbCaptureLayeredWindows.Text = "Capture Layered Windows (transparent w
                "on windows) ";
            this.cbCaptureLayeredWindows.UseVisualStyleBackColor = true;
            //
            // linkViewLog
            //
            this.linkViewLog.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Wind
            this.linkViewLog.AutoSize = true;
            this.linkViewLog.Location = new System.Drawing.Point(488, 22);
            this.linkViewLog.Name = "linkViewLog";
            this.linkViewLog.Size = new System.Drawing.Size(47, 13);
            this.linkViewLog.TabIndex = 4;
            this.linkViewLog.TabStop = true;
            this.linkViewLog.Text = "View log";
            this.linkViewLog.LinkClicked += new System.Windows.Forms.LinkLabelLinkClic
            //
            // cbLog
            //
            this.cbLog.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Fo
            this.cbLog.AutoSize = true;
            this.cbLog.Location = new System.Drawing.Point(414, 21);
            this.cbLog.Name = "cbLog";
            this.cbLog.Size = new System.Drawing.Size(68, 17);
            this.cbLog.TabIndex = 3;
            this.cbLog.Text = "Write log";
            this.cbLog.UseVisualStyleBackColor = true;
            //
            // cmbFPS
            //
            this.cmbFPS.FormattingEnabled = true;
            this.cmbFPS.Location = new System.Drawing.Point(6, 19);
            this.cmbFPS.Name = "cmbFPS";
            this.cmbFPS.Size = new System.Drawing.Size(60, 21);
            this.cmbFPS.TabIndex = 0;
            //
            // label4
            //
            this.label4.AutoSize = true;
            this.label4.Location = new System.Drawing.Point(72, 22);
```

```csharp
            this.label4.Name = "label4";
            this.label4.Size = new System.Drawing.Size(27, 13);
            this.label4.TabIndex = 3;
            this.label4.Text = "FPS";
            //
            // groupBox5
            //
            this.groupBox5.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.Wind
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.groupBox5.Controls.Add(this.label14);
            this.groupBox5.Controls.Add(this.cmbWebCameras);
            this.groupBox5.Controls.Add(this.tbWebCameraHeight);
            this.groupBox5.Controls.Add(this.label13);
            this.groupBox5.Controls.Add(this.label15);
            this.groupBox5.Controls.Add(this.cbShowWebCamOverlay);
            this.groupBox5.Controls.Add(this.tbWebCameraWidth);
            this.groupBox5.Controls.Add(this.tbWebCameraY);
            this.groupBox5.Controls.Add(this.label16);
            this.groupBox5.Controls.Add(this.tbWebCameraX);
            this.groupBox5.Controls.Add(this.label17);
            this.groupBox5.Location = new System.Drawing.Point(12, 93);
            this.groupBox5.Name = "groupBox5";
            this.groupBox5.Size = new System.Drawing.Size(541, 76);
            this.groupBox5.TabIndex = 1;
            this.groupBox5.TabStop = false;
            this.groupBox5.Text = "Web Camera";
            //
            // label14
            //
            this.label14.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows
            this.label14.AutoSize = true;
            this.label14.Location = new System.Drawing.Point(443, 48);
            this.label14.Name = "label14";
            this.label14.Size = new System.Drawing.Size(38, 13);
            this.label14.TabIndex = 18;
            this.label14.Text = "Height";
            this.label14.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // cmbWebCameras
            //
            this.cmbWebCameras.Anchor = ((System.Windows.Forms.AnchorStyles)(((System.W
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.cmbWebCameras.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropD
            this.cmbWebCameras.FormattingEnabled = true;
            this.cmbWebCameras.Location = new System.Drawing.Point(53, 42);
            this.cmbWebCameras.Name = "cmbWebCameras";
            this.cmbWebCameras.Size = new System.Drawing.Size(278, 21);
            this.cmbWebCameras.TabIndex = 1;
            //
            // tbWebCameraHeight
            //
            this.tbWebCameraHeight.Anchor = ((System.Windows.Forms.AnchorStyles)((Syste
            this.tbWebCameraHeight.Location = new System.Drawing.Point(487, 45);
            this.tbWebCameraHeight.Name = "tbWebCameraHeight";
            this.tbWebCameraHeight.Size = new System.Drawing.Size(48, 20);
            this.tbWebCameraHeight.TabIndex = 5;
            this.tbWebCameraHeight.Text = "120";
            //
            // label13
            //
```

```csharp
            this.label13.AutoSize = true;
            this.label13.Location = new System.Drawing.Point(6, 45);
            this.label13.Name = "label13";
            this.label13.Size = new System.Drawing.Size(41, 13);
            this.label13.TabIndex = 5;
            this.label13.Text = "Device";
            //
            // label15
            //
            this.label15.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows
            this.label15.AutoSize = true;
            this.label15.Location = new System.Drawing.Point(347, 48);
            this.label15.Name = "label15";
            this.label15.Size = new System.Drawing.Size(35, 13);
            this.label15.TabIndex = 17;
            this.label15.Text = "Width";
            this.label15.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // cbShowWebCamOverlay
            //
            this.cbShowWebCamOverlay.AutoSize = true;
            this.cbShowWebCamOverlay.Location = new System.Drawing.Point(9, 19);
            this.cbShowWebCamOverlay.Name = "cbShowWebCamOverlay";
            this.cbShowWebCamOverlay.Size = new System.Drawing.Size(200, 17);
            this.cbShowWebCamOverlay.TabIndex = 0;
            this.cbShowWebCamOverlay.Text = "Show video stream from web camera";
            this.cbShowWebCamOverlay.UseVisualStyleBackColor = true;
            //
            // tbWebCameraWidth
            //
            this.tbWebCameraWidth.Anchor = ((System.Windows.Forms.AnchorStyles)((System
            this.tbWebCameraWidth.Location = new System.Drawing.Point(388, 45);
            this.tbWebCameraWidth.Name = "tbWebCameraWidth";
            this.tbWebCameraWidth.Size = new System.Drawing.Size(48, 20);
            this.tbWebCameraWidth.TabIndex = 3;
            this.tbWebCameraWidth.Text = "160";
            //
            // tbWebCameraY
            //
            this.tbWebCameraY.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Wir
            this.tbWebCameraY.Location = new System.Drawing.Point(487, 19);
            this.tbWebCameraY.Name = "tbWebCameraY";
            this.tbWebCameraY.Size = new System.Drawing.Size(48, 20);
            this.tbWebCameraY.TabIndex = 4;
            this.tbWebCameraY.Text = "10";
            //
            // label16
            //
            this.label16.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows
            this.label16.AutoSize = true;
            this.label16.Location = new System.Drawing.Point(467, 22);
            this.label16.Name = "label16";
            this.label16.Size = new System.Drawing.Size(14, 13);
            this.label16.TabIndex = 16;
            this.label16.Text = "Y";
            this.label16.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // tbWebCameraX
            //
            this.tbWebCameraX.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Wir
```

```
            this.tbWebCameraX.Location = new System.Drawing.Point(388, 19);
            this.tbWebCameraX.Name = "tbWebCameraX";
            this.tbWebCameraX.Size = new System.Drawing.Size(48, 20);
            this.tbWebCameraX.TabIndex = 2;
            this.tbWebCameraX.Text = "10";
            //
            // label17
            //
            this.label17.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows
            this.label17.AutoSize = true;
            this.label17.Location = new System.Drawing.Point(368, 22);
            this.label17.Name = "label17";
            this.label17.Size = new System.Drawing.Size(14, 13);
            this.label17.TabIndex = 13;
            this.label17.Text = "X";
            this.label17.TextAlign = System.Drawing.ContentAlignment.MiddleRight;
            //
            // tableLayoutPanel1
            //
            this.tableLayoutPanel1.Anchor = ((System.Windows.Forms.AnchorStyles)(((Syst
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.tableLayoutPanel1.AutoSizeMode = System.Windows.Forms.AutoSizeMode.Gro
            this.tableLayoutPanel1.ColumnCount = 4;
            this.tableLayoutPanel1.ColumnStyles.Add(new System.Windows.Forms.ColumnSty
            this.tableLayoutPanel1.ColumnStyles.Add(new System.Windows.Forms.ColumnSty
            this.tableLayoutPanel1.ColumnStyles.Add(new System.Windows.Forms.ColumnSty
            this.tableLayoutPanel1.ColumnStyles.Add(new System.Windows.Forms.ColumnSty
            this.tableLayoutPanel1.Controls.Add(this.btnPauseRecording, 1, 0);
            this.tableLayoutPanel1.Controls.Add(this.btnStopRecording, 2, 0);
            this.tableLayoutPanel1.Controls.Add(this.label19, 3, 0);
            this.tableLayoutPanel1.Controls.Add(this.btnStartRecording, 0, 0);
            this.tableLayoutPanel1.Location = new System.Drawing.Point(12, 499);
            this.tableLayoutPanel1.Name = "tableLayoutPanel1";
            this.tableLayoutPanel1.RowCount = 1;
            this.tableLayoutPanel1.RowStyles.Add(new System.Windows.Forms.RowStyle(Syst
            this.tableLayoutPanel1.Size = new System.Drawing.Size(541, 76);
            this.tableLayoutPanel1.TabIndex = 5;
            //
            // btnPauseRecording
            //
            this.btnPauseRecording.Anchor = ((System.Windows.Forms.AnchorStyles)((((Sys
                        | System.Windows.Forms.AnchorStyles.Left)
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.btnPauseRecording.Enabled = false;
            this.btnPauseRecording.Font = new System.Drawing.Font("Tahoma", 8.25F, Sys
            this.btnPauseRecording.Location = new System.Drawing.Point(123, 3);
            this.btnPauseRecording.Name = "btnPauseRecording";
            this.btnPauseRecording.Size = new System.Drawing.Size(114, 70);
            this.btnPauseRecording.TabIndex = 1;
            this.btnPauseRecording.Text = "Pause Recording\r\n";
            this.btnPauseRecording.UseVisualStyleBackColor = true;
            this.btnPauseRecording.Click += new System.EventHandler(this.btnPauseRecord
            //
            // label19
            //
            this.label19.Anchor = ((System.Windows.Forms.AnchorStyles)((((System.Windo
                        | System.Windows.Forms.AnchorStyles.Left)
                        | System.Windows.Forms.AnchorStyles.Right)));
            this.label19.BackColor = System.Drawing.SystemColors.Info;
            this.label19.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
```

```csharp
            this.label19.Location = new System.Drawing.Point(363, 3);
            this.label19.Margin = new System.Windows.Forms.Padding(3, 3, 0, 3);
            this.label19.Name = "label19";
            this.label19.Size = new System.Drawing.Size(178, 70);
            this.label19.TabIndex = 3;
            this.label19.Text = "Full source code of this sample is available in Start" +
                "g SDK | Advanced Examples | Audio and video settings";
            // 
            // Form1
            // 
            this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
            this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
            this.ClientSize = new System.Drawing.Size(565, 576);
            this.Controls.Add(this.tableLayoutPanel1);
            this.Controls.Add(this.groupBox5);
            this.Controls.Add(this.groupBox4);
            this.Controls.Add(this.groupBox1);
            this.Controls.Add(this.groupBox2);
            this.Controls.Add(this.groupBox3);
            this.Name = "Form1";
            this.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen;
            this.Text = "Screen Capturing";
            this.groupBox3.ResumeLayout(false);
            this.groupBox3.PerformLayout();
            this.groupBox2.ResumeLayout(false);
            this.tabControl1.ResumeLayout(false);
            this.tabPageWmv.ResumeLayout(false);
            this.tabPageWmv.PerformLayout();
            this.tabPageAvi.ResumeLayout(false);
            this.tabPageAvi.PerformLayout();
            this.groupBox1.ResumeLayout(false);
            this.groupBox1.PerformLayout();
            this.groupBox4.ResumeLayout(false);
            this.groupBox4.PerformLayout();
            ((System.ComponentModel.ISupportInitialize)(this.nudMouseHotSpot)).EndInit(
            this.groupBox5.ResumeLayout(false);
            this.groupBox5.PerformLayout();
            this.tableLayoutPanel1.ResumeLayout(false);
            this.ResumeLayout(false);

        }

        #endregion

        private System.Windows.Forms.GroupBox groupBox3;
        private System.Windows.Forms.ComboBox cmbAudioLines;
        private System.Windows.Forms.Label label1;
        private System.Windows.Forms.CheckBox cbEnableAudio;
    private System.Windows.Forms.GroupBox groupBox2;
        private System.Windows.Forms.GroupBox groupBox1;
        private System.Windows.Forms.GroupBox groupBox4;
        private System.Windows.Forms.LinkLabel linkViewLog;
        private System.Windows.Forms.CheckBox cbLog;
        private System.Windows.Forms.ComboBox cmbFPS;
        private System.Windows.Forms.Label label4;
        private System.Windows.Forms.RadioButton rbFullscreen;
        private System.Windows.Forms.RadioButton rbRegionAroundMouse;
        private System.Windows.Forms.RadioButton rbRectRegion;
        private System.Windows.Forms.TextBox tbY;
        private System.Windows.Forms.TextBox tbX;
```

```
            private System.Windows.Forms.Label label8;
            private System.Windows.Forms.TextBox tbHeight;
            private System.Windows.Forms.Label label7;
            private System.Windows.Forms.TextBox tbWidth;
            private System.Windows.Forms.Label label6;
            private System.Windows.Forms.Label label5;
            private System.Windows.Forms.Button btnStopRecording;
            private System.Windows.Forms.Button btnStartRecording;
            private System.Windows.Forms.ComboBox cmbAudioDevices;
            private System.Windows.Forms.Label label9;
        private System.Windows.Forms.TabControl tabControl1;
            private System.Windows.Forms.TabPage tabPageWmv;
            private System.Windows.Forms.ComboBox cmbWmvAudioFormats;
            private System.Windows.Forms.Label label12;
            private System.Windows.Forms.ComboBox cmbWmvAudioCodecs;
            private System.Windows.Forms.Label label10;
            private System.Windows.Forms.ComboBox cmbWmvVideoCodecs;
            private System.Windows.Forms.Label label11;
        private System.Windows.Forms.TabPage tabPageAvi;
        private System.Windows.Forms.ComboBox cmbAviAudioCodecs;
        private System.Windows.Forms.Button btnVideoCodecProps;
        private System.Windows.Forms.Label label3;
        private System.Windows.Forms.ComboBox cmbAviVideoCodecs;
            private System.Windows.Forms.Label label2;
            private System.Windows.Forms.GroupBox groupBox5;
            private System.Windows.Forms.ComboBox cmbWebCameras;
            private System.Windows.Forms.Label label13;
            private System.Windows.Forms.CheckBox cbShowWebCamOverlay;
            private System.Windows.Forms.Label label14;
            private System.Windows.Forms.TextBox tbWebCameraHeight;
            private System.Windows.Forms.Label label15;
            private System.Windows.Forms.TextBox tbWebCameraWidth;
            private System.Windows.Forms.TextBox tbWebCameraY;
            private System.Windows.Forms.Label label16;
            private System.Windows.Forms.TextBox tbWebCameraX;
        private System.Windows.Forms.Label label17;
            private System.Windows.Forms.TableLayoutPanel tableLayoutPanel1;
            private System.Windows.Forms.Button btnPauseRecording;
            private System.Windows.Forms.CheckBox cbCaptureLayeredWindows;
            private System.Windows.Forms.Label label18;
            private System.Windows.Forms.NumericUpDown nudMouseHotSpot;
            private System.Windows.Forms.Label label19;
    }
}
```

Form1.cs

```
using System;
using System.Diagnostics;
```

```
using System.IO;
using System.Runtime.InteropServices;
using System.Threading;
using System.Windows.Forms;
using BytescoutScreenCapturingLib;
using System.Drawing;

// NOTE: if you are getting error like "invalid image" related to loading the SDK's dll
// try to do the following:
// 1) remove the reference to the SDK by View - Solution Explorer
// then click on References, select Bytescout... reference name and right-click it and
// 2) To re-add click on the menu: Project - Add Reference
// 3) In "Add Reference" dialog switch to "COM" tab and find Bytescout...
// 4) Select it and click "Add"
// 5) Recompile the application
// Note: if you need to run on both x64 and x86 then please make sure you have set "Emb


namespace VideoAudioSettings
{
        public partial class Form1 : Form
        {
                private Capturer capturer = null;

                private bool _recording = false;
                private bool _paused = false;

                public Form1()
                {
                        InitializeComponent();

                        // Create Capturer instance
                        capturer = new Capturer();
                        capturer.RegistrationName = "demo"; // put your registration n
                        capturer.RegistrationKey = "demo";  // put your registration k


                        // Get list of available audio devices
                        for (int i = 0; i < capturer.AudioDeviceCount; i++)
                        {
                                string line = capturer.GetAudioDeviceName(i);
                                cmbAudioDevices.Items.Add(line);
                        }

                        // Select current audio device
                        cmbAudioDevices.SelectedIndex = capturer.CurrentAudioDevice;

                        // Get list of available AVI audio codecs
                        for (int i = 0; i < capturer.AudioCodecsCount; i++)
                        {
                                string codec = capturer.GetAudioCodecName(i);
                                cmbAviAudioCodecs.Items.Add(codec);
                        }

                        // Select current AVI audio codec
                        cmbAviAudioCodecs.SelectedIndex = capturer.CurrentAudioCodec;


                        // Get list of available web camera devices
                        for (int i = 0; i < capturer.WebCamCount; i++)
```

```csharp
                {
                        string camera = capturer.GetWebCamName(i);
                        cmbWebCameras.Items.Add(camera);
                }

                // Select current web camera
                if (cmbWebCameras.Items.Count != 0)
                {
                        cmbWebCameras.SelectedIndex = capturer.CurrentWebCam;
                }
                else
                {
                        cmbWebCameras.Items.Add("No devices");
                        cmbWebCameras.SelectedIndex = 0;
                        cmbWebCameras.Enabled = false;
                        cbShowWebCamOverlay.Enabled = false;
                }

                // Get list of available AVI video codecs
                for (int i = 0; i < capturer.VideoCodecsCount; i++)
                {
                        string codec = capturer.GetVideoCodecName(i);
                        cmbAviVideoCodecs.Items.Add(codec);
                }

                // Select current AVI video codec
                cmbAviVideoCodecs.SelectedIndex = capturer.CurrentVideoCodec;

                // Get list of available WMV audio codecs
                for (int i = 0; i < capturer.WMVAudioCodecsCount; i++)
                {
                        string codec = capturer.GetWMVAudioCodecName(i);
                        cmbWmvAudioCodecs.Items.Add(codec);
                }

                // Select current WMV audio codec
                cmbWmvAudioCodecs.SelectedIndex = capturer.CurrentWMVAudioCodec;

                // Get list of available WMV video codecs
                for (int i = 0; i < capturer.WMVVideoCodecsCount; i++)
                {
                        string codec = capturer.GetWMVVideoCodecName(i);
                        cmbWmvVideoCodecs.Items.Add(codec);
                }

                // Select current WMV video codec
                cmbWmvVideoCodecs.SelectedIndex = capturer.CurrentWMVVideoCodec;


                // Fill list of FPS values
                cmbFPS.Items.AddRange(new object[] { 5f, 7.5f, 10f, 12f, 14.985
                // Select current FPS
                cmbFPS.SelectedItem = 14.985f;

                cbCaptureLayeredWindows.Checked = capturer.CaptureTransparentC

                nudMouseHotSpot.Value = capturer.MouseSpotRadius;
        }

    // Rectangular region recording mode is selected
```

```csharp
        private void cbEnableAudio_CheckedChanged(object sender, EventArgs e)
        {
                cmbAudioDevices.Enabled = cbEnableAudio.Checked;
                cmbAudioLines.Enabled = cbEnableAudio.Checked;
        }

        private void cmbAudioDevices_SelectedIndexChanged(object sender, EventA
        {
                capturer.CurrentAudioDeviceName = cmbAudioDevices.SelectedItem

                cmbAudioLines.Items.Clear();

                // Get list of available audio lines of current audio device
                for (int i = 0; i < capturer.CurrentAudioDeviceLineCount; i++)
                {
                        string line = capturer.GetCurrentAudioDeviceLineName(i
                        cmbAudioLines.Items.Add(line);
                }

                // Select current audio line
        if (cmbAudioLines.Items.Count > 0)
        {
            cmbAudioLines.SelectedIndex = capturer.CurrentAudioDeviceLine;
        }
        }

        private void cmbWmvAudioCodecs_SelectedIndexChanged(object sender, Even
        {
                capturer.CurrentWMVAudioCodecName = cmbWmvAudioCodecs.SelectedI

                cmbWmvAudioFormats.Items.Clear();

                // Get list of available WMV audio formats
                for (int i = 0; i < capturer.WMVAudioFormatCount; i++)
                {
                        string codec = capturer.GetWMVAudioFormatDescription(i
                        cmbWmvAudioFormats.Items.Add(codec);
                }

                // Select current WMV audio format
                cmbWmvAudioFormats.SelectedIndex = capturer.CurrentWMVAudioForm
        }

        private void rbRectRegion_CheckedChanged(object sender, System.EventArg
        {
                tbX.Enabled = rbRectRegion.Checked;
                tbY.Enabled = rbRectRegion.Checked;
                tbWidth.Enabled = rbRectRegion.Checked || rbRegionAroundMouse.C
                tbHeight.Enabled = rbRectRegion.Checked || rbRegionAroundMouse
        }

        // Region around the mouse recording mode is selected
        private void rbRegionAroundMouse_CheckedChanged(object sender, System.E
        {
                tbX.Enabled = rbRectRegion.Checked;
                tbY.Enabled = rbRectRegion.Checked;
                tbWidth.Enabled = rbRectRegion.Checked || rbRegionAroundMouse.C
                tbHeight.Enabled = rbRectRegion.Checked || rbRegionAroundMouse
        }
```

```csharp
        // Full screen recording mode is selected
        private void rbFullscreen_CheckedChanged(object sender, System.EventArg
        {
                tbX.Enabled = rbRectRegion.Checked;
                tbY.Enabled = rbRectRegion.Checked;
                tbWidth.Enabled = rbRectRegion.Checked || rbRegionAroundMouse.
                tbHeight.Enabled = rbRectRegion.Checked || rbRegionAroundMouse
        }

        // Show video code internal properties dialog
        private void btnVideoCodecProps_Click(object sender, System.EventArgs
        {
                capturer.CurrentVideoCodec = cmbAviVideoCodecs.SelectedIndex;
                capturer.ShowVideoCodecSettingsDialog(Handle.ToInt32());
        }

        // Show log
        private void linkViewLog_LinkClicked(object sender, LinkLabelLinkClick
        {
                string logFile = Path.GetTempPath() + "Capturing Log.txt";

                if (File.Exists(logFile))
                {
                        Process prc = new Process();
                        prc.StartInfo.FileName = logFile;
                        prc.StartInfo.UseShellExecute = true;

                        try
                        {
                                prc.Start();
                        }
                        catch (Exception ex)
                        {
                                MessageBox.Show(ex.Message);
                        }
                }
        }

        private void btnStartRecording_Click(object sender, System.EventArgs e)
        {
                // Set up the capturer

                if (cbLog.Checked)
                {
                        capturer.SetLogFile(Path.GetTempPath() + "Capturing Log
                }

                bool captureToAvi = (tabControl1.SelectedIndex == 1);

                capturer.AudioEnabled = cbEnableAudio.Checked;
                capturer.CurrentAudioDeviceName = cmbAudioDevices.SelectedItem
    if (cmbAudioLines.Items.Count>0)
    {
        capturer.CurrentAudioDeviceLineName = cmbAudioLines.SelectedItem.ToStr
    }

                if (captureToAvi)
                {
                        capturer.CurrentAudioCodecName = cmbAviAudioCodecs.Sel
                        capturer.CurrentVideoCodecName = cmbAviVideoCodecs.Sel
```

```csharp
                }
                else // capture to WMV
                {
                        capturer.CurrentWMVAudioCodecName = cmbWmvAudioCodecs.
                        capturer.CurrentWMVAudioFormat = cmbWmvAudioFormats.Sel
                        capturer.CurrentWMVVideoCodecName = cmbWmvVideoCodecs.
                }

                capturer.MouseAnimationDuration = 400;
                capturer.FPS = float.Parse(cmbFPS.Text);
                capturer.CaptureTransparentControls = cbCaptureLayeredWindows.
                capturer.MouseSpotRadius = (int) nudMouseHotSpot.Value;

                capturer.OutputWidth = int.Parse(tbWidth.Text);
                capturer.OutputHeight = int.Parse(tbHeight.Text);

                // Set capturing mode

                if (rbRectRegion.Checked)
                {
                        capturer.CapturingType = CaptureAreaType.catRegion;
                }
                else if (rbRegionAroundMouse.Checked)
                {
                        capturer.CapturingType = CaptureAreaType.catMouse;
                }
                else
                {
                        capturer.CapturingType = CaptureAreaType.catScreen;
                }

                if (cbShowWebCamOverlay.Checked)
                {
                        // Set web camera device to add overlaying video to th
                        capturer.AddWebCamVideo = true;

                        // Set device name or you can set device by index usin
                        capturer.CurrentWebCam = cmbWebCameras.SelectedIndex;

                        // Set rectangle to show overlaying video from webcam
                        capturer.SetWebCamVideoRectangle(
                                int.Parse(tbWebCameraX.Text),
                                int.Parse(tbWebCameraY.Text),
                                int.Parse(tbWebCameraWidth.Text),
                                int.Parse(tbWebCameraHeight.Text));
                }


        // set border around captured area if we are not capturing entire screen
        if (
            capturer.CapturingType != CaptureAreaType.catScreen &&
            capturer.CapturingType != CaptureAreaType.catWebcamFullScreen
            )
        {
            // set border style
            capturer.CaptureAreaBorderType = CaptureAreaBorderType.cabtDashed;
            capturer.CaptureAreaBorderColor = (uint)ColorTranslator.ToOle(Color.Re
        }

                // Save to temp file
```

```csharp
String filename = Path.GetTempFileName();
filename = Path.ChangeExtension(filename, captureToAvi ? "avi"
capturer.OutputFileName = filename;

try
{
        // Start capturing
        try
        {
                Cursor = Cursors.WaitCursor;
                capturer.Run();
        }
        finally
        {
                Cursor = Cursors.Default;
        }

        _recording = true;
        btnStartRecording.Enabled = false;
        btnPauseRecording.Enabled = true;
        btnStopRecording.Enabled = true;

        // Wait for "Stop Recording" button pressed
        while (_recording)
        {
                Thread.Sleep(10);
                Application.DoEvents();
        }

        // Stop capturing
        try
        {
                Cursor = Cursors.WaitCursor;
                capturer.Stop();
        }
        finally
        {
                Cursor = Cursors.Default;
        }

        // Ask for output file name
        SaveFileDialog dlg = new SaveFileDialog();

        dlg.Title = @"Save captured video as";
        dlg.FileName = @"Screencast";

        if (captureToAvi)
        {
                dlg.DefaultExt = @"*.avi";
                dlg.Filter = @"AVI files (*.avi)|*.avi|All file
        }
        else
        {
                dlg.DefaultExt = @"*.wmv";
                dlg.Filter = @"WMV files (*.wmv)|*.wmv|All file
        }

        if (dlg.ShowDialog() == DialogResult.OK)
        {
```

```csharp
                                // Save to specified file name
                                File.Copy(capturer.OutputFileName, dlg.FileName

                        }

                        // clean up
                        try
                        {
                                File.Delete(capturer.OutputFileName);
                        }
                        catch
                        {
                        }

                        btnStartRecording.Enabled = true;
                        btnPauseRecording.Enabled = false;
                        btnStopRecording.Enabled = false;

        // open saved video in default video viewer
                        try
                        {
                                Process.Start(dlg.FileName);
                        }
                        catch
                        {
                        }
                }
                catch (COMException ex)
                {
                        MessageBox.Show(ex.Message);
                }
        }

        private void btnPauseRecording_Click(object sender, EventArgs e)
        {
                bool captureToAvi = (tabControl1.SelectedIndex == 1);

                if (captureToAvi)
                {
                        MessageBox.Show("Pausing is only available for WMV for
                        return;
                }

                if (!_paused)
                {
                        capturer.Pause();
                        _paused = true;
                        btnPauseRecording.Text = "Resume recodring";
                }
                else
                {
                        // Resume capturing
                        capturer.Run();
                        _paused = false;
                        btnPauseRecording.Text = "Pause recording";
                }
        }

        private void btnStopRecording_Click(object sender, System.EventArgs e)
        {
                // Toggle recording flag
```

```
                    if (_recording)
                    {
                            _recording = false;
                    }
            }
    }
}
```

Program.cs

```
using System;
using System.Collections.Generic;
using System.Windows.Forms;

namespace VideoAudioSettings
{
        static class Program
        {
                /// <summary>
                /// The main entry point for the application.
                /// </summary>
                [STAThread]
                static void Main()
                {
                        Application.EnableVisualStyles();
                        Application.SetCompatibleTextRenderingDefault(false);
                        Application.Run(new Form1());
                }
        }
}
```

VIDEO

https://www.youtube.com/watch?v=fujkvtWUVCw

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