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How to set video and audio settings for screen video in VB.NET using ByteScout Screen Capturing SDK

How to code in VB.NET to set video and audio settings for screen video with this step-by-step tutorial

This sample source code below will demonstrate you how to set video and audio settings for screen video in VB.NET. ByteScout Screen Capturing SDK is the tool for developers who want to add screen capturing in their application. Can record screen into video and into single screenshots. Output formats are WMV, AVI, WebM for video and PNG for screenshots. You can adjust output video size, quality, resolution, framerate, video and audio codecs. Includes special privacy features for blacking out sensitive information on screen. Can also capture video from web camera, can add overlays with text or images. It can be used to set video and audio settings for screen video using VB.NET.

You will save a lot of time on writing and testing code as you may just take the VB.NET code from ByteScout Screen Capturing SDK for set video and audio settings for screen video below and use it in your application. Just copy and paste the code into your VB.NET application's code and follow the instruction. Enjoy writing a code with ready-to-use sample codes in VB.NET.

ByteScout Screen Capturing SDK free trial version is available on our website. VB.NET and other programming languages are supported.

FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

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Source Code Files:

```
Partial Class Form1
    ''' <summary>
    ''' Required designer variable.
    ''' </summary>
    Private components As System.ComponentModel.IContainer = Nothing

    ''' <summary>
    ''' Clean up any resources being used.
    ''' </summary>
    ''' <param name="disposing">true if managed resources should be disposed; otherwise, false; otherwise, this method is not called for derived classes that implement IDisposable.
    Protected Overrides Sub Dispose(disposing As Boolean)
        If disposing AndAlso (components IsNot Nothing) Then
            components.Dispose()
        End If
        MyBase.Dispose(disposing)
    End Sub

    #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 Sub InitializeComponent()
        Me.groupBox3 = New System.Windows.Forms.GroupBox()
        Me.cmbAudioDevices = New System.Windows.Forms.ComboBox()
        Me.label9 = New System.Windows.Forms.Label()
        Me.cmbAudioLines = New System.Windows.Forms.ComboBox()
        Me.label1 = New System.Windows.Forms.Label()
        Me.cbEnableAudio = New System.Windows.Forms.CheckBox()
        Me.groupBox2 = New System.Windows.Forms.GroupBox()
        Me.tabControl1 = New System.Windows.Forms.TabControl()
        Me.tabPageWmv = New System.Windows.Forms.TabPage()
        Me.cmbWmvAudioFormats = New System.Windows.Forms.ComboBox()
        Me.label12 = New System.Windows.Forms.Label()
        Me.cmbWmvAudioCodecs = New System.Windows.Forms.ComboBox()
        Me.label10 = New System.Windows.Forms.Label()
        Me.cmbWmvVideoCodecs = New System.Windows.Forms.ComboBox()
        Me.label11 = New System.Windows.Forms.Label()
        Me.tabPageAvi = New System.Windows.Forms.TabPage()
        Me.cmbAviAudioCodecs = New System.Windows.Forms.ComboBox()
        Me.btnVideoCodecProps = New System.Windows.Forms.Button()
        Me.label3 = New System.Windows.Forms.Label()
        Me.cmbAviVideoCodecs = New System.Windows.Forms.ComboBox()
        Me.label2 = New System.Windows.Forms.Label()
        Me.groupBox1 = New System.Windows.Forms.GroupBox()
        Me.label8 = New System.Windows.Forms.Label()
        Me.tbHeight = New System.Windows.Forms.TextBox()
        Me.label7 = New System.Windows.Forms.Label()
        Me.tbWidth = New System.Windows.Forms.TextBox()
        Me.label6 = New System.Windows.Forms.Label()
        Me.label5 = New System.Windows.Forms.Label()
    End Sub
End Class
```

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Me.tbY = New System.Windows.Forms.TextBox()
Me.tbX = New System.Windows.Forms.TextBox()
Me.rbFullscreen = New System.Windows.Forms.RadioButton()
Me.rbRegionAroundMouse = New System.Windows.Forms.RadioButton()
Me.rbRectRegion = New System.Windows.Forms.RadioButton()
Me.btnStopRecording = New System.Windows.Forms.Button()
Me.btnStartRecording = New System.Windows.Forms.Button()
Me.groupBox4 = New System.Windows.Forms.GroupBox()
Me.label18 = New System.Windows.Forms.Label()
Me.nudMouseHotSpot = New System.Windows.Forms.NumericUpDown()
Me.cbCaptureLayeredWindows = New System.Windows.Forms.CheckBox()
Me.linkViewLog = New System.Windows.Forms.LinkLabel()
Me.cbLog = New System.Windows.Forms.CheckBox()
Me.cmbFPS = New System.Windows.Forms.ComboBox()
Me.label4 = New System.Windows.Forms.Label()
Me.groupBox5 = New System.Windows.Forms.GroupBox()
Me.label14 = New System.Windows.Forms.Label()
Me.cmbWebCameras = New System.Windows.Forms.ComboBox()
Me.tbWebCameraHeight = New System.Windows.Forms.TextBox()
Me.label13 = New System.Windows.Forms.Label()
Me.label15 = New System.Windows.Forms.Label()
Me.cbShowWebCamOverly = New System.Windows.Forms.CheckBox()
Me.tbWebCameraWidth = New System.Windows.Forms.TextBox()
Me.tbWebCameraY = New System.Windows.Forms.TextBox()
Me.label16 = New System.Windows.Forms.Label()
Me.tbWebCameraX = New System.Windows.Forms.TextBox()
Me.label17 = New System.Windows.Forms.Label()
Me.tableLayoutPanel1 = New System.Windows.Forms.TableLayoutPanel()
Me.btnPauseRecording = New System.Windows.Forms.Button()
Me.label19 = New System.Windows.Forms.Label()
Me.groupBox3.SuspendLayout()
Me.groupBox2.SuspendLayout()
Me.tabControl1.SuspendLayout()
Me.tabPageWmv.SuspendLayout()
Me.tabPageAvi.SuspendLayout()
Me.groupBox1.SuspendLayout()
Me.groupBox4.SuspendLayout()
DirectCast(Me.nudMouseHotSpot, System.ComponentModel.ISupportInitialize).SupportInitialize
Me.groupBox5.SuspendLayout()
Me.tableLayoutPanel1.SuspendLayout()
Me.SuspendLayout()
'
' groupBox3
'
Me.groupBox3.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or
Me.groupBox3.Controls.Add(Me.cmbAudioDevices)
Me.groupBox3.Controls.Add(Me.label9)
Me.groupBox3.Controls.Add(Me.cmbAudioLines)
Me.groupBox3.Controls.Add(Me.label11)
Me.groupBox3.Controls.Add(Me.cbEnableAudio)
Me.groupBox3.Location = New System.Drawing.Point(12, 12)
Me.groupBox3.Name = "groupBox3"
Me.groupBox3.Size = New System.Drawing.Size(541, 101)
Me.groupBox3.TabIndex = 0
Me.groupBox3.TabStop = False
Me.groupBox3.Text = "Auido Input"
'
' cmbAudioDevices
'
Me.cmbAudioDevices.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or

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Me.cmbAudioDevices.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList
Me.cmbAudioDevices.FormattingEnabled = True
Me.cmbAudioDevices.Location = New System.Drawing.Point(53, 42)
Me.cmbAudioDevices.Name = "cmbAudioDevices"
Me.cmbAudioDevices.Size = New System.Drawing.Size(482, 21)
Me.cmbAudioDevices.TabIndex = 1
AddHandler Me.cmbAudioDevices.SelectedIndexChanged, New System.EventHandler(AddressOf Me.cmbAudioDevices_SelectedIndexChanged)
'
' label9
'
Me.label9.AutoSize = True
Me.label9.Location = New System.Drawing.Point(6, 45)
Me.label9.Name = "label9"
Me.label9.Size = New System.Drawing.Size(41, 13)
Me.label9.TabIndex = 5
Me.label9.Text = "Device"
'
' cmbAudioLines
'
Me.cmbAudioLines.Anchor = CType((((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Bottom) And System.Windows.Forms.AnchorStyles.Left) And System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyles)
Me.cmbAudioLines.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList
Me.cmbAudioLines.FormattingEnabled = True
Me.cmbAudioLines.Location = New System.Drawing.Point(53, 67)
Me.cmbAudioLines.Name = "cmbAudioLines"
Me.cmbAudioLines.Size = New System.Drawing.Size(482, 21)
Me.cmbAudioLines.TabIndex = 2
'
' label11
'
Me.label11.AutoSize = True
Me.label11.Location = New System.Drawing.Point(6, 70)
Me.label11.Name = "label11"
Me.label11.Size = New System.Drawing.Size(27, 13)
Me.label11.TabIndex = 3
Me.label11.Text = "Line"
'
' cbEnableAudio
'
Me.cbEnableAudio.AutoSize = True
Me.cbEnableAudio.Checked = True
Me.cbEnableAudio.CheckState = System.Windows.Forms.CheckState.Checked
Me.cbEnableAudio.Location = New System.Drawing.Point(9, 19)
Me.cbEnableAudio.Name = "cbEnableAudio"
Me.cbEnableAudio.Size = New System.Drawing.Size(89, 17)
Me.cbEnableAudio.TabIndex = 0
Me.cbEnableAudio.Text = "Enable Audio"
Me.cbEnableAudio.UseVisualStyleBackColor = True
AddHandler Me.cbEnableAudio.CheckedChanged, New System.EventHandler(AddressOf Me.cbEnableAudio_CheckedChanged)
'
' groupBox2
'
Me.groupBox2.Anchor = CType((((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Bottom) And System.Windows.Forms.AnchorStyles.Left) And System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyles)
Me.groupBox2.Controls.Add(Me.tabControl1)
Me.groupBox2.Location = New System.Drawing.Point(12, 201)
Me.groupBox2.Name = "groupBox2"
Me.groupBox2.Size = New System.Drawing.Size(541, 143)
Me.groupBox2.TabIndex = 2
Me.groupBox2.TabStop = False
Me.groupBox2.Text = "Output Video Format (SELECT TAB TO SELECT VIDEO FORMAT)"
'

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    ' tabControl1
    '
    Me.tabControl1.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or
    Me.tabControl1.Controls.Add(Me.tabPageWmv)
    Me.tabControl1.Controls.Add(Me.tabPageAvi)
    Me.tabControl1.Location = New System.Drawing.Point(6, 19)
    Me.tabControl1.Name = "tabControl1"
    Me.tabControl1.SelectedIndex = 0
    Me.tabControl1.Size = New System.Drawing.Size(529, 116)
    Me.tabControl1.TabIndex = 8
    '
    ' tabPageWmv
    '
    Me.tabPageWmv.Controls.Add(Me.cmbWmvAudioFormats)
    Me.tabPageWmv.Controls.Add(Me.label12)
    Me.tabPageWmv.Controls.Add(Me.cmbWmvAudioCodecs)
    Me.tabPageWmv.Controls.Add(Me.label10)
    Me.tabPageWmv.Controls.Add(Me.cmbWmvVideoCodecs)
    Me.tabPageWmv.Controls.Add(Me.label11)
    Me.tabPageWmv.Location = New System.Drawing.Point(4, 22)
    Me.tabPageWmv.Name = "tabPageWmv"
    Me.tabPageWmv.Padding = New System.Windows.Forms.Padding(3)
    Me.tabPageWmv.Size = New System.Drawing.Size(521, 90)
    Me.tabPageWmv.TabIndex = 1
    Me.tabPageWmv.Text = "WMV Format"
    Me.tabPageWmv.UseVisualStyleBackColor = True
    '
    ' cmbWmvAudioFormats
    '
    Me.cmbWmvAudioFormats.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or
    Me.cmbWmvAudioFormats.DropDownStyle = System.Windows.Forms.ComboBoxStyle
    Me.cmbWmvAudioFormats.FormattingEnabled = True
    Me.cmbWmvAudioFormats.Location = New System.Drawing.Point(50, 33)
    Me.cmbWmvAudioFormats.Name = "cmbWmvAudioFormats"
    Me.cmbWmvAudioFormats.Size = New System.Drawing.Size(465, 21)
    Me.cmbWmvAudioFormats.TabIndex = 1
    '
    ' label12
    '
    Me.label12.AutoSize = True
    Me.label12.Location = New System.Drawing.Point(6, 36)
    Me.label12.Name = "label12"
    Me.label12.Size = New System.Drawing.Size(39, 13)
    Me.label12.TabIndex = 14
    Me.label12.Text = "Format"
    '
    ' cmbWmvAudioCodecs
    '
    Me.cmbWmvAudioCodecs.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or
    Me.cmbWmvAudioCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle
    Me.cmbWmvAudioCodecs.FormattingEnabled = True
    Me.cmbWmvAudioCodecs.Location = New System.Drawing.Point(50, 6)
    Me.cmbWmvAudioCodecs.Name = "cmbWmvAudioCodecs"
    Me.cmbWmvAudioCodecs.Size = New System.Drawing.Size(465, 21)
    Me.cmbWmvAudioCodecs.TabIndex = 0
    AddHandler Me.cmbWmvAudioCodecs.SelectedIndexChanged, New System.EventHandler
    '
    ' label10
    '
    Me.label10.AutoSize = True

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Me.label10.Location = New System.Drawing.Point(6, 63)
Me.label10.Name = "label10"
Me.label10.Size = New System.Drawing.Size(34, 13)
Me.label10.TabIndex = 12
Me.label10.Text = "Video"
'
'   cmbWmvVideoCodecs
'
Me.cmbWmvVideoCodecs.Anchor = CType(((System.Windows.Forms.AnchorStyles) Or System.Windows.Forms.AnchorStyles.Top) Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.cmbWmvVideoCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle
Me.cmbWmvVideoCodecs.FormattingEnabled = True
Me.cmbWmvVideoCodecs.Location = New System.Drawing.Point(50, 60)
Me.cmbWmvVideoCodecs.Name = "cmbWmvVideoCodecs"
Me.cmbWmvVideoCodecs.Size = New System.Drawing.Size(465, 21)
Me.cmbWmvVideoCodecs.TabIndex = 2
'
'   label11
'
Me.label11.AutoSize = True
Me.label11.Location = New System.Drawing.Point(6, 9)
Me.label11.Name = "label11"
Me.label11.Size = New System.Drawing.Size(34, 13)
Me.label11.TabIndex = 11
Me.label11.Text = "Audio"
'
'   tabPageAvi
'
Me.tabPageAvi.Controls.Add(Me.cmbAviAudioCodecs)
Me.tabPageAvi.Controls.Add(Me.btnVideoCodecProps)
Me.tabPageAvi.Controls.Add(Me.label3)
Me.tabPageAvi.Controls.Add(Me.cmbAviVideoCodecs)
Me.tabPageAvi.Controls.Add(Me.label2)
Me.tabPageAvi.Location = New System.Drawing.Point(4, 22)
Me.tabPageAvi.Name = "tabPageAvi"
Me.tabPageAvi.Padding = New System.Windows.Forms.Padding(3)
Me.tabPageAvi.Size = New System.Drawing.Size(521, 90)
Me.tabPageAvi.TabIndex = 2
Me.tabPageAvi.Text = "AVI format"
Me.tabPageAvi.UseVisualStyleBackColor = True
'
'   cmbAviAudioCodecs
'
Me.cmbAviAudioCodecs.Anchor = CType(((System.Windows.Forms.AnchorStyles) Or System.Windows.Forms.AnchorStyles.Top) Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.cmbAviAudioCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle
Me.cmbAviAudioCodecs.FormattingEnabled = True
Me.cmbAviAudioCodecs.Location = New System.Drawing.Point(49, 19)
Me.cmbAviAudioCodecs.Name = "cmbAviAudioCodecs"
Me.cmbAviAudioCodecs.Size = New System.Drawing.Size(434, 21)
Me.cmbAviAudioCodecs.TabIndex = 0
'
'   btnVideoCodecProps
'
Me.btnVideoCodecProps.Anchor = CType((System.Windows.Forms.AnchorStyles) Or System.Windows.Forms.AnchorStyles.Top) Or System.Windows.Forms.AnchorStyles.Left, System.Windows.Forms.AnchorStyles)
Me.btnVideoCodecProps.Image = Global.VideoAudioSettings.My.Resources.Resources.VideoCodecProps
Me.btnVideoCodecProps.Location = New System.Drawing.Point(489, 42)
Me.btnVideoCodecProps.Name = "btnVideoCodecProps"
Me.btnVideoCodecProps.Size = New System.Drawing.Size(26, 26)
Me.btnVideoCodecProps.TabIndex = 2
Me.btnVideoCodecProps.UseVisualStyleBackColor = True
'

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' label3
,
Me.label3.AutoSize = True
Me.label3.Location = New System.Drawing.Point(5, 49)
Me.label3.Name = "label3"
Me.label3.Size = New System.Drawing.Size(34, 13)
Me.label3.TabIndex = 7
Me.label3.Text = "Video"
,
' cmbAviVideoCodecs
,
Me.cmbAviVideoCodecs.Anchor = CType(((System.Windows.Forms.AnchorStyles.Bottom Or System.Windows.Forms.AnchorStyles.Left) And System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyles)
Me.cmbAviVideoCodecs.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList
Me.cmbAviVideoCodecs.FormattingEnabled = True
Me.cmbAviVideoCodecs.Location = New System.Drawing.Point(49, 46)
Me.cmbAviVideoCodecs.Name = "cmbAviVideoCodecs"
Me.cmbAviVideoCodecs.Size = New System.Drawing.Size(434, 21)
Me.cmbAviVideoCodecs.TabIndex = 1
,
' label2
,
Me.label2.AutoSize = True
Me.label2.Location = New System.Drawing.Point(5, 22)
Me.label2.Name = "label2"
Me.label2.Size = New System.Drawing.Size(34, 13)
Me.label2.TabIndex = 5
Me.label2.Text = "Audio"
,
' groupBox1
,
Me.groupBox1.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Bottom) And System.Windows.Forms.AnchorStyles.Left) And System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyles)
Me.groupBox1.Controls.Add(Me.label8)
Me.groupBox1.Controls.Add(Me.tbHeight)
Me.groupBox1.Controls.Add(Me.label7)
Me.groupBox1.Controls.Add(Me.tbWidth)
Me.groupBox1.Controls.Add(Me.label6)
Me.groupBox1.Controls.Add(Me.label5)
Me.groupBox1.Controls.Add(Me.tbY)
Me.groupBox1.Controls.Add(Me.tbX)
Me.groupBox1.Controls.Add(Me.rbFullscreen)
Me.groupBox1.Controls.Add(Me.rbRegionAroundMouse)
Me.groupBox1.Controls.Add(Me.rbRectRegion)
Me.groupBox1.Location = New System.Drawing.Point(12, 455)
Me.groupBox1.Name = "groupBox1"
Me.groupBox1.Size = New System.Drawing.Size(541, 92)
Me.groupBox1.TabIndex = 4
Me.groupBox1.TabStop = False
Me.groupBox1.Text = "Capture"
,
' label8
,
Me.label8.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Right), System.Windows.Forms.AnchorStyles)
Me.label8.AutoSize = True
Me.label8.Location = New System.Drawing.Point(440, 47)
Me.label8.Name = "label8"
Me.label8.Size = New System.Drawing.Size(38, 13)
Me.label8.TabIndex = 10
Me.label8.Text = "Height"
Me.label8.TextAlign = System.Drawing.ContentAlignment.MiddleRight
,

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' tbHeight
,
Me.tbHeight.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or Sys
Me.tbHeight.Location = New System.Drawing.Point(484, 44)
Me.tbHeight.Name = "tbHeight"
Me.tbHeight.Size = New System.Drawing.Size(48, 20)
Me.tbHeight.TabIndex = 6
Me.tbHeight.Text = "480"
,
' label7
,
Me.label7.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or Sys
Me.label7.AutoSize = True
Me.label7.Location = New System.Drawing.Point(344, 47)
Me.label7.Name = "label7"
Me.label7.Size = New System.Drawing.Size(35, 13)
Me.label7.TabIndex = 8
Me.label7.Text = "Width"
Me.label7.TextAlign = System.Drawing.ContentAlignment.MiddleRight
,
' tbWidth
,
Me.tbWidth.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or Sys
Me.tbWidth.Location = New System.Drawing.Point(385, 44)
Me.tbWidth.Name = "tbWidth"
Me.tbWidth.Size = New System.Drawing.Size(48, 20)
Me.tbWidth.TabIndex = 5
Me.tbWidth.Text = "640"
,
' label6
,
Me.label6.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or Sys
Me.label6.AutoSize = True
Me.label6.Location = New System.Drawing.Point(464, 21)
Me.label6.Name = "label6"
Me.label6.Size = New System.Drawing.Size(14, 13)
Me.label6.TabIndex = 6
Me.label6.Text = "Y"
Me.label6.TextAlign = System.Drawing.ContentAlignment.MiddleRight
,
' label5
,
Me.label5.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or Sys
Me.label5.AutoSize = True
Me.label5.Location = New System.Drawing.Point(365, 21)
Me.label5.Name = "label5"
Me.label5.Size = New System.Drawing.Size(14, 13)
Me.label5.TabIndex = 5
Me.label5.Text = "X"
Me.label5.TextAlign = System.Drawing.ContentAlignment.MiddleRight
,
' tbY
,
Me.tbY.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System
Me.tbY.Location = New System.Drawing.Point(484, 18)
Me.tbY.Name = "tbY"
Me.tbY.Size = New System.Drawing.Size(48, 20)
Me.tbY.TabIndex = 4
Me.tbY.Text = "0"
,

```



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    ' tbX
    '
    Me.tbX.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System
    Me.tbX.Location = New System.Drawing.Point(385, 18)
    Me.tbX.Name = "tbX"
    Me.tbX.Size = New System.Drawing.Size(48, 20)
    Me.tbX.TabIndex = 3
    Me.tbX.Text = "0"
    '
    ' rbFullscreen
    '
    Me.rbFullscreen.AutoSize = True
    Me.rbFullscreen.Checked = True
    Me.rbFullscreen.Location = New System.Drawing.Point(9, 65)
    Me.rbFullscreen.Name = "rbFullscreen"
    Me.rbFullscreen.Size = New System.Drawing.Size(76, 17)
    Me.rbFullscreen.TabIndex = 2
    Me.rbFullscreen.TabStop = True
    Me.rbFullscreen.Text = "Full screen"
    Me.rbFullscreen.UseVisualStyleBackColor = True
    AddHandler Me.rbFullscreen.CheckedChanged, New System.EventHandler(Add
    '
    ' rbRegionAroundMouse
    '
    Me.rbRegionAroundMouse.AutoSize = True
    Me.rbRegionAroundMouse.Location = New System.Drawing.Point(9, 42)
    Me.rbRegionAroundMouse.Name = "rbRegionAroundMouse"
    Me.rbRegionAroundMouse.Size = New System.Drawing.Size(147, 17)
    Me.rbRegionAroundMouse.TabIndex = 1
    Me.rbRegionAroundMouse.Text = "Region around the mouse"
    Me.rbRegionAroundMouse.UseVisualStyleBackColor = True
    AddHandler Me.rbRegionAroundMouse.CheckedChanged, New System.EventHandl
    '
    ' rbRectRegion
    '
    Me.rbRectRegion.AutoSize = True
    Me.rbRectRegion.Location = New System.Drawing.Point(9, 19)
    Me.rbRectRegion.Name = "rbRectRegion"
    Me.rbRectRegion.Size = New System.Drawing.Size(115, 17)
    Me.rbRectRegion.TabIndex = 0
    Me.rbRectRegion.Text = "Rectangular region"
    Me.rbRectRegion.UseVisualStyleBackColor = True
    AddHandler Me.rbRectRegion.CheckedChanged, New System.EventHandler(Add
    '
    ' btnStopRecording
    '
    Me.btnStopRecording.Anchor = CType((((System.Windows.Forms.AnchorStyle
    Me.btnStopRecording.Enabled = False
    Me.btnStopRecording.Font = New System.Drawing.Font("Tahoma", 8.25F, Sys
    Me.btnStopRecording.Location = New System.Drawing.Point(243, 3)
    Me.btnStopRecording.Name = "btnStopRecording"
    Me.btnStopRecording.Size = New System.Drawing.Size(114, 70)
    Me.btnStopRecording.TabIndex = 2
    Me.btnStopRecording.Text = "Stop Recording"
    Me.btnStopRecording.UseVisualStyleBackColor = True
    AddHandler Me.btnStopRecording.Click, New System.EventHandler(AddressOf
    '
    ' btnStartRecording
    '
    Me.btnStartRecording.Anchor = CType((((System.Windows.Forms.AnchorStyle

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Me.btnStartRecording.Font = New System.Drawing.Font("Tahoma", 8.25F, S
Me.btnStartRecording.Location = New System.Drawing.Point(0, 3)
Me.btnStartRecording.Margin = New System.Windows.Forms.Padding(0, 3, 3
Me.btnStartRecording.Name = "btnStartRecording"
Me.btnStartRecording.Size = New System.Drawing.Size(117, 70)
Me.btnStartRecording.TabIndex = 0
Me.btnStartRecording.Text = "Start Recording"
Me.btnStartRecording.UseVisualStyleBackColor = True
AddHandler Me.btnStartRecording.Click, New System.EventHandler(Address
,
,
' groupBox4
,
Me.groupBox4.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or
Me.groupBox4.Controls.Add(Me.label18)
Me.groupBox4.Controls.Add(Me.nudMouseHotSpot)
Me.groupBox4.Controls.Add(Me.cbCaptureLayeredWindows)
Me.groupBox4.Controls.Add(Me.linkViewLog)
Me.groupBox4.Controls.Add(Me.cbLog)
Me.groupBox4.Controls.Add(Me.cmbFPS)
Me.groupBox4.Controls.Add(Me.label4)
Me.groupBox4.Location = New System.Drawing.Point(12, 350)
Me.groupBox4.Name = "groupBox4"
Me.groupBox4.Size = New System.Drawing.Size(541, 99)
Me.groupBox4.TabIndex = 3
Me.groupBox4.TabStop = False
Me.groupBox4.Text = "Misc"
,
,
' label18
,
Me.label18.AutoSize = True
Me.label18.Location = New System.Drawing.Point(72, 48)
Me.label18.Name = "label18"
Me.label18.Size = New System.Drawing.Size(111, 13)
Me.label18.TabIndex = 6
Me.label18.Text = "Mouse hot spot radius"
,
,
' nudMouseHotSpot
,
Me.nudMouseHotSpot.Location = New System.Drawing.Point(6, 46)
Me.nudMouseHotSpot.Minimum = New Decimal(New Integer() {1, 0, 0, 0})
Me.nudMouseHotSpot.Name = "nudMouseHotSpot"
Me.nudMouseHotSpot.Size = New System.Drawing.Size(60, 20)
Me.nudMouseHotSpot.TabIndex = 1
Me.nudMouseHotSpot.Value = New Decimal(New Integer() {1, 0, 0, 0})
,
,
' cbCaptureLayeredWindows
,
Me.cbCaptureLayeredWindows.AutoSize = True
Me.cbCaptureLayeredWindows.Location = New System.Drawing.Point(6, 72)
Me.cbCaptureLayeredWindows.Name = "cbCaptureLayeredWindows"
Me.cbCaptureLayeredWindows.Size = New System.Drawing.Size(499, 17)
Me.cbCaptureLayeredWindows.TabIndex = 2
Me.cbCaptureLayeredWindows.Text = "Capture Layered Windows (transparent
Me.cbCaptureLayeredWindows.UseVisualStyleBackColor = True
,
,
' linkViewLog
,
Me.linkViewLog.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or
Me.linkViewLog.AutoSize = True
Me.linkViewLog.Location = New System.Drawing.Point(488, 22)

```

```

Me.linkViewLog.Name = "linkViewLog"
Me.linkViewLog.Size = New System.Drawing.Size(47, 13)
Me.linkViewLog.TabIndex = 4
Me.linkViewLog.TabStop = True
Me.linkViewLog.Text = "View log"
AddHandler Me.linkViewLog.LinkClicked, New System.Windows.Forms.LinkLab
'
'   cbLog
'
Me.cbLog.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System
Me.cbLog.AutoSize = True
Me.cbLog.Location = New System.Drawing.Point(414, 21)
Me.cbLog.Name = "cbLog"
Me.cbLog.Size = New System.Drawing.Size(68, 17)
Me.cbLog.TabIndex = 3
Me.cbLog.Text = "Write log"
Me.cbLog.UseVisualStyleBackColor = True
'
'   cmbFPS
'
Me.cmbFPS.FormattingEnabled = True
Me.cmbFPS.Location = New System.Drawing.Point(6, 19)
Me.cmbFPS.Name = "cmbFPS"
Me.cmbFPS.Size = New System.Drawing.Size(60, 21)
Me.cmbFPS.TabIndex = 0
'
'   label4
'
Me.label4.AutoSize = True
Me.label4.Location = New System.Drawing.Point(72, 22)
Me.label4.Name = "label4"
Me.label4.Size = New System.Drawing.Size(27, 13)
Me.label4.TabIndex = 3
Me.label4.Text = "FPS"
'
'   groupBox5
'
Me.groupBox5.Anchor = CType(((System.Windows.Forms.AnchorStyles.Top Or
Me.groupBox5.Controls.Add(Me.label14)
Me.groupBox5.Controls.Add(Me.cmbWebCameras)
Me.groupBox5.Controls.Add(Me.tbWebCameraHeight)
Me.groupBox5.Controls.Add(Me.label13)
Me.groupBox5.Controls.Add(Me.label15)
Me.groupBox5.Controls.Add(Me.cbShowWebCamOverlay)
Me.groupBox5.Controls.Add(Me.tbWebCameraWidth)
Me.groupBox5.Controls.Add(Me.tbWebCameraY)
Me.groupBox5.Controls.Add(Me.label16)
Me.groupBox5.Controls.Add(Me.tbWebCameraX)
Me.groupBox5.Controls.Add(Me.label17)
Me.groupBox5.Location = New System.Drawing.Point(12, 119)
Me.groupBox5.Name = "groupBox5"
Me.groupBox5.Size = New System.Drawing.Size(541, 76)
Me.groupBox5.TabIndex = 1
Me.groupBox5.TabStop = False
Me.groupBox5.Text = "Web Camera"
'
'   label14
'
Me.label14.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or Sys
Me.label14.AutoSize = True

```

```

Me.label14.Location = New System.Drawing.Point(443, 48)
Me.label14.Name = "label14"
Me.label14.Size = New System.Drawing.Size(38, 13)
Me.label14.TabIndex = 18
Me.label14.Text = "Height"
Me.label14.TextAlign = System.Drawing.ContentAlignment.MiddleRight
'
' cmbWebCameras
'
Me.cmbWebCameras.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.cmbWebCameras.DropDownStyle = System.Windows.Forms.ComboBoxStyle.DropDownList
Me.cmbWebCameras.FormattingEnabled = True
Me.cmbWebCameras.Location = New System.Drawing.Point(53, 42)
Me.cmbWebCameras.Name = "cmbWebCameras"
Me.cmbWebCameras.Size = New System.Drawing.Size(278, 21)
Me.cmbWebCameras.TabIndex = 1
'
' tbWebCameraHeight
'
Me.tbWebCameraHeight.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.tbWebCameraHeight.Location = New System.Drawing.Point(487, 45)
Me.tbWebCameraHeight.Name = "tbWebCameraHeight"
Me.tbWebCameraHeight.Size = New System.Drawing.Size(48, 20)
Me.tbWebCameraHeight.TabIndex = 5
Me.tbWebCameraHeight.Text = "120"
'
' label13
'
Me.label13.AutoSize = True
Me.label13.Location = New System.Drawing.Point(6, 45)
Me.label13.Name = "label13"
Me.label13.Size = New System.Drawing.Size(41, 13)
Me.label13.TabIndex = 5
Me.label13.Text = "Device"
'
' label15
'
Me.label15.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.label15.AutoSize = True
Me.label15.Location = New System.Drawing.Point(347, 48)
Me.label15.Name = "label15"
Me.label15.Size = New System.Drawing.Size(35, 13)
Me.label15.TabIndex = 17
Me.label15.Text = "Width"
Me.label15.TextAlign = System.Drawing.ContentAlignment.MiddleRight
'
' cbShowWebCamOverlay
'
Me.cbShowWebCamOverlay.AutoSize = True
Me.cbShowWebCamOverlay.Location = New System.Drawing.Point(9, 19)
Me.cbShowWebCamOverlay.Name = "cbShowWebCamOverlay"
Me.cbShowWebCamOverlay.Size = New System.Drawing.Size(200, 17)
Me.cbShowWebCamOverlay.TabIndex = 0
Me.cbShowWebCamOverlay.Text = "Show video stream from web camera"
Me.cbShowWebCamOverlay.UseVisualStyleBackColor = True
'
' tbWebCameraWidth
'
Me.tbWebCameraWidth.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.tbWebCameraWidth.Location = New System.Drawing.Point(388, 45)

```

```

Me.tbWebCameraWidth.Name = "tbWebCameraWidth"
Me.tbWebCameraWidth.Size = New System.Drawing.Size(48, 20)
Me.tbWebCameraWidth.TabIndex = 3
Me.tbWebCameraWidth.Text = "160"
,
' tbWebCameraY
,
Me.tbWebCameraY.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.tbWebCameraY.Location = New System.Drawing.Point(487, 19)
Me.tbWebCameraY.Name = "tbWebCameraY"
Me.tbWebCameraY.Size = New System.Drawing.Size(48, 20)
Me.tbWebCameraY.TabIndex = 4
Me.tbWebCameraY.Text = "10"
,
' label16
,
Me.label16.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.label16.AutoSize = True
Me.label16.Location = New System.Drawing.Point(467, 22)
Me.label16.Name = "label16"
Me.label16.Size = New System.Drawing.Size(14, 13)
Me.label16.TabIndex = 16
Me.label16.Text = "Y"
Me.label16.TextAlign = System.Drawing.ContentAlignment.MiddleRight
,
' tbWebCameraX
,
Me.tbWebCameraX.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.tbWebCameraX.Location = New System.Drawing.Point(388, 19)
Me.tbWebCameraX.Name = "tbWebCameraX"
Me.tbWebCameraX.Size = New System.Drawing.Size(48, 20)
Me.tbWebCameraX.TabIndex = 2
Me.tbWebCameraX.Text = "10"
,
' label17
,
Me.label17.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.label17.AutoSize = True
Me.label17.Location = New System.Drawing.Point(368, 22)
Me.label17.Name = "label17"
Me.label17.Size = New System.Drawing.Size(14, 13)
Me.label17.TabIndex = 13
Me.label17.Text = "X"
Me.label17.TextAlign = System.Drawing.ContentAlignment.MiddleRight
,
' tableLayoutPanel1
,
Me.tableLayoutPanel1.Anchor = CType((System.Windows.Forms.AnchorStyles.Top Or System.Windows.Forms.AnchorStyles.Left), System.Windows.Forms.AnchorStyles)
Me.tableLayoutPanel1.AutoSizeMode = System.Windows.Forms.AutoSizeMode.None
Me.tableLayoutPanel1.ColumnCount = 4
Me.tableLayoutPanel1.ColumnStyles.Add(New System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 25%))
Me.tableLayoutPanel1.ColumnStyles.Add(New System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 25%))
Me.tableLayoutPanel1.ColumnStyles.Add(New System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 25%))
Me.tableLayoutPanel1.ColumnStyles.Add(New System.Windows.Forms.ColumnStyle(System.Windows.Forms.SizeType.Percent, 25%))
Me.tableLayoutPanel1.Controls.Add(Me.btnPauseRecording, 1, 0)
Me.tableLayoutPanel1.Controls.Add(Me.btnStopRecording, 2, 0)
Me.tableLayoutPanel1.Controls.Add(Me.btnStartRecording, 0, 0)
Me.tableLayoutPanel1.Controls.Add(Me.label19, 3, 0)
Me.tableLayoutPanel1.Location = New System.Drawing.Point(12, 553)
Me.tableLayoutPanel1.Name = "tableLayoutPanel1"

```

```

Me.tableLayoutPanel1.RowCount = 1
Me.tableLayoutPanel1.RowStyles.Add(New System.Windows.Forms.RowStyle(S
Me.tableLayoutPanel1.Size = New System.Drawing.Size(541, 76)
Me.tableLayoutPanel1.TabIndex = 5
'
' btnPauseRecording
'
Me.btnPauseRecording.Anchor = CType(CCCCSystem.Windows.Forms.AnchorStyle
Me.btnPauseRecording.Enabled = False
Me.btnPauseRecording.Font = New System.Drawing.Font("Tahoma", 8.25F, S
Me.btnPauseRecording.Location = New System.Drawing.Point(123, 3)
Me.btnPauseRecording.Name = "btnPauseRecording"
Me.btnPauseRecording.Size = New System.Drawing.Size(114, 70)
Me.btnPauseRecording.TabIndex = 1
Me.btnPauseRecording.Text = "Pause Recording" & vbCrLf & vbCrLf
Me.btnPauseRecording.UseVisualStyleBackColor = True
AddHandler Me.btnPauseRecording.Click, New System.EventHandler(Address
'
' label19
'
Me.label19.Anchor = CType(CCCCSystem.Windows.Forms.AnchorStyles.Top Or S
Me.label19.BackColor = System.Drawing.SystemColors.Info
Me.label19.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle
Me.label19.Location = New System.Drawing.Point(363, 3)
Me.label19.Margin = New System.Windows.Forms.Padding(3, 3, 0, 3)
Me.label19.Name = "label19"
Me.label19.Size = New System.Drawing.Size(178, 70)
Me.label19.TabIndex = 3
Me.label19.Text = "Full source code of this sample is available in Sta
'
' Form1
'
Me.AutoScaleDimensions = New System.Drawing.SizeF(6F, 13F)
Me.AutoScaleMode = System.Windows.Forms.AutoScaleModeMode.Font
Me.ClientSize = New System.Drawing.Size(565, 641)
Me.Controls.Add(Me.tableLayoutPanel1)
Me.Controls.Add(Me.groupBox5)
Me.Controls.Add(Me.groupBox4)
Me.Controls.Add(Me.groupBox1)
Me.Controls.Add(Me.groupBox2)
Me.Controls.Add(Me.groupBox3)
Me.Name = "Form1"
Me.StartPosition = System.Windows.Forms.FormStartPosition.CenterScreen
Me.Text = "Screen Capturing"
Me.groupBox3.ResumeLayout(False)
Me.groupBox3.PerformLayout()
Me.groupBox2.ResumeLayout(False)
Me.tabControl1.ResumeLayout(False)
Me.tabPageWmv.ResumeLayout(False)
Me.tabPageWmv.PerformLayout()
Me.tabPageAvi.ResumeLayout(False)
Me.tabPageAvi.PerformLayout()
Me.groupBox1.ResumeLayout(False)
Me.groupBox1.PerformLayout()
Me.groupBox4.ResumeLayout(False)
Me.groupBox4.PerformLayout()
DirectCast(Me.nudMouseHotSpot, System.ComponentModel.ISupportInitializ
Me.groupBox5.ResumeLayout(False)
Me.groupBox5.PerformLayout()
Me.tableLayoutPanel1.ResumeLayout(False)

```

Me.ResumeLayout(False)

End Sub

#End Region

```
Private groupBox3 As System.Windows.Forms.GroupBox
Private cmbAudioLines As System.Windows.Forms.ComboBox
Private label1 As System.Windows.Forms.Label
Private WithEvents cbEnableAudio As System.Windows.Forms.CheckBox
Private groupBox2 As System.Windows.Forms.GroupBox
Private groupBox1 As System.Windows.Forms.GroupBox
Private groupBox4 As System.Windows.Forms.GroupBox
Private WithEvents linkViewLog As System.Windows.Forms.LinkLabel
Private cbLog As System.Windows.Forms.CheckBox
Private cmbFPS As System.Windows.Forms.ComboBox
Private label4 As System.Windows.Forms.Label
Private WithEvents rbFullscreen As System.Windows.Forms.RadioButton
Private WithEvents rbRegionAroundMouse As System.Windows.Forms.RadioButton
Private WithEvents rbRectRegion As System.Windows.Forms.RadioButton
Private tbY As System.Windows.Forms.TextBox
Private tbX As System.Windows.Forms.TextBox
Private label8 As System.Windows.Forms.Label
Private tbHeight As System.Windows.Forms.TextBox
Private label7 As System.Windows.Forms.Label
Private tbWidth As System.Windows.Forms.TextBox
Private label6 As System.Windows.Forms.Label
Private label5 As System.Windows.Forms.Label
Private btnStopRecording As System.Windows.Forms.Button
Private btnStartRecording As System.Windows.Forms.Button
Private WithEvents cmbAudioDevices As System.Windows.Forms.ComboBox
Private label9 As System.Windows.Forms.Label
Private tabControl1 As System.Windows.Forms.TabControl
Private tabPageWmv As System.Windows.Forms.TabPage
Private cmbWmvAudioFormats As System.Windows.Forms.ComboBox
Private label12 As System.Windows.Forms.Label
Private WithEvents cmbWmvAudioCodecs As System.Windows.Forms.ComboBox
Private label10 As System.Windows.Forms.Label
Private cmbWmvVideoCodecs As System.Windows.Forms.ComboBox
Private label11 As System.Windows.Forms.Label
Private tabPageAvi As System.Windows.Forms.TabPage
Private cmbAviAudioCodecs As System.Windows.Forms.ComboBox
Private btnVideoCodecProps As System.Windows.Forms.Button
Private label3 As System.Windows.Forms.Label
Private cmbAviVideoCodecs As System.Windows.Forms.ComboBox
Private label2 As System.Windows.Forms.Label
Private groupBox5 As System.Windows.Forms.GroupBox
Private cmbWebCameras As System.Windows.Forms.ComboBox
Private label13 As System.Windows.Forms.Label
Private cbShowWebCamOverlay As System.Windows.Forms.CheckBox
Private label14 As System.Windows.Forms.Label
Private tbWebCameraHeight As System.Windows.Forms.TextBox
Private label15 As System.Windows.Forms.Label
Private tbWebCameraWidth As System.Windows.Forms.TextBox
Private tbWebCameraY As System.Windows.Forms.TextBox
Private label16 As System.Windows.Forms.Label
Private tbWebCameraX As System.Windows.Forms.TextBox
Private label17 As System.Windows.Forms.Label
Private tableLayoutPanel1 As System.Windows.Forms.TableLayoutPanel
Private btnPauseRecording As System.Windows.Forms.Button
```

```

Private cbCaptureLayeredWindows As System.Windows.Forms.CheckBox
Private label18 As System.Windows.Forms.Label
Private nudMouseHotSpot As System.Windows.Forms.NumericUpDown
Private label19 As System.Windows.Forms.Label
End Class

```

Form1.vb

```

Imports System.Diagnostics
Imports System.IO
Imports System.Runtime.InteropServices
Imports System.Threading
Imports System.Windows.Forms
Imports BytescoutScreenCapturingLib

' 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 s
' 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 "Embe

Public Partial Class Form1
    Inherits Form
    Private capturer As Capturer = Nothing

    Private _recording As Boolean = False
    Private _paused As Boolean = False

    Public Sub New()
        InitializeComponent()

        ' Create Capturer instance
        capturer = New Capturer()
        capturer.RegistrationName = "demo"
        ' put your registration name here
        capturer.RegistrationKey = "demo"
        ' put your registration key here

        ' Get list of available audio devices
        For i As Integer = 0 To capturer.AudioDeviceCount - 1
            Dim line As String = capturer.GetAudioDeviceName(i)
            cmbAudioDevices.Items.Add(line)
        Next

        ' Select current audio device

```



```

If cmbAudioDevices.Items.Count > 0 Then
    cmbAudioDevices.SelectedIndex = capturer.CurrentAudioDevice
End If

' Get list of available AVI audio codecs
For i As Integer = 0 To capturer.AudioCodecsCount - 1
    Dim codec As String = capturer.GetAudioCodecName(i)
    cmbAviAudioCodecs.Items.Add(codec)
Next

' Select current AVI audio codec
cmbAviAudioCodecs.SelectedIndex = capturer.CurrentAudioCodec

' Get list of available web camera devices
For i As Integer = 0 To capturer.WebCamCount - 1
    Dim camera As String = capturer.GetWebCamName(i)
    cmbWebCameras.Items.Add(camera)
Next

' Select current web camera
If cmbWebCameras.Items.Count <> 0 Then
    cmbWebCameras.SelectedIndex = capturer.CurrentWebCam
Else
    cmbWebCameras.Items.Add("No devices")
    cmbWebCameras.SelectedIndex = 0
    cmbWebCameras.Enabled = False
    cbShowWebCamOverlay.Enabled = False
End If

' Get list of available AVI video codecs
For i As Integer = 0 To capturer.VideoCodecsCount - 1
    Dim codec As String = capturer.GetVideoCodecName(i)
    cmbAviVideoCodecs.Items.Add(codec)
Next

' Select current AVI video codec
cmbAviVideoCodecs.SelectedIndex = capturer.CurrentVideoCodec

' Get list of available WMV audio codecs
For i As Integer = 0 To capturer.WMVAudioCodecsCount - 1
    Dim codec As String = capturer.GetWMVAudioCodecName(i)
    cmbWmvAudioCodecs.Items.Add(codec)
Next

' Select current WMV audio codec
cmbWmvAudioCodecs.SelectedIndex = capturer.CurrentWMVAudioCodec

' Get list of available WMV video codecs
For i As Integer = 0 To capturer.WMVVideoCodecsCount - 1
    Dim codec As String = capturer.GetWMVVideoCodecName(i)
    cmbWmvVideoCodecs.Items.Add(codec)
Next

' Select current WMV video codec
cmbWmvVideoCodecs.SelectedIndex = capturer.CurrentWMVVideoCodec

' Fill list of FPS values
cmbFPS.Items.AddRange(New Object() {5F, 7.5F, 10F, 12F, 14.985F, 15F,
    19.98F, 20F, 23.976F, 24F, 25F, 29.97F, _

```

```

        30F, 50F, 59.94F, 60})
' Select current FPS
cmbFPS.SelectedItem = 14.985F

        cbCaptureLayeredWindows.Checked = capturer.CaptureTransparentControls
        nudMouseHotSpot.Value = capturer.MouseSpotRadius
End Sub

' Rectangular region recording mode is selected
Private Sub cbEnableAudio_CheckedChanged(ByVal sender As Object, ByVal e As EventArgs)
    cmbAudioDevices.Enabled = cbEnableAudio.Checked
    cmbAudioLines.Enabled = cbEnableAudio.Checked
End Sub

Private Sub cmbAudioDevices_SelectedIndexChanged(ByVal sender As Object, ByVal e As EventArgs)
    If cmbAudioLines.Items.Count > 0
        capturer.CurrentAudioDeviceName = cmbAudioDevices.SelectedItem.ToString()
    End If

    cmbAudioLines.Items.Clear()

' Get list of available audio lines of current audio device
    For i As Integer = 0 To capturer.CurrentAudioDeviceLineCount - 1
        Dim line As String = capturer.GetCurrentAudioDeviceLineName(i)
        cmbAudioLines.Items.Add(line)
    Next

' Select current audio line
    If cmbAudioLines.Items.Count > 0 Then
        cmbAudioLines.SelectedIndex = capturer.CurrentAudioDeviceLine
    End If
End Sub

Private Sub cmbWmvAudioCodecs_SelectedIndexChanged(ByVal sender As Object, ByVal e As EventArgs)
    capturer.CurrentWMVAudioCodecName = cmbWmvAudioCodecs.SelectedItem.ToString()

    cmbWmvAudioFormats.Items.Clear()

' Get list of available WMV audio formats
    For i As Integer = 0 To capturer.WMVAudioFormatCount - 1
        Dim codec As String = capturer.GetWMVAudioFormatDescription(i)
        cmbWmvAudioFormats.Items.Add(codec)
    Next

' Select current WMV audio format
    cmbWmvAudioFormats.SelectedIndex = capturer.CurrentWMVAudioFormat
End Sub

Private Sub rbRectRegion_CheckedChanged(ByVal sender As Object, ByVal e As System.EventArgs)
    tbX.Enabled = rbRectRegion.Checked
    tbY.Enabled = rbRectRegion.Checked
    tbWidth.Enabled = rbRectRegion.Checked OrElse rbRegionAroundMouse.Checked
    tbHeight.Enabled = rbRectRegion.Checked OrElse rbRegionAroundMouse.Checked
End Sub

' Region around the mouse recording mode is selected
Private Sub rbRegionAroundMouse_CheckedChanged(ByVal sender As Object, ByVal e As EventArgs)
    tbX.Enabled = rbRectRegion.Checked
    tbY.Enabled = rbRectRegion.Checked
    tbWidth.Enabled = rbRectRegion.Checked OrElse rbRegionAroundMouse.Checked

```

```

    tbHeight.Enabled = rbRectRegion.Checked OrElse rbRegionAroundMouse.Checked
End Sub

' Full screen recording mode is selected
Private Sub rbFullscreen_CheckedChanged(ByVal sender As Object, ByVal e As System.EventArgs)
    tbX.Enabled = rbRectRegion.Checked
    tbY.Enabled = rbRectRegion.Checked
    tbWidth.Enabled = rbRectRegion.Checked OrElse rbRegionAroundMouse.Checked
    tbHeight.Enabled = rbRectRegion.Checked OrElse rbRegionAroundMouse.Checked
End Sub

' Show video code internal properties dialog
Private Sub btnVideoCodecProps_Click(ByVal sender As Object, ByVal e As System.EventArgs)
    capturer.CurrentVideoCodec = cmbAviVideoCodecs.SelectedIndex
    capturer.ShowVideoCodecSettingsDialog(Handle.ToInt32())
End Sub

' Show log
Private Sub linkViewLog_LinkClicked(ByVal sender As Object, ByVal e As LinkLabelLinkClickedEventArgs)
    Dim logFile As String = Path.GetTempPath() & "Capturing Log.txt"

    If File.Exists(logFile) Then
        Dim prc As New Process()
        prc.StartInfo.FileName = logFile
        prc.StartInfo.UseShellExecute = True

        Try
            prc.Start()
        Catch ex As Exception
            MessageBox.Show(ex.Message)
        End Try
    End If
End Sub

Private Sub btnStartRecording_Click(sender As Object, e As System.EventArgs)
    ' Set up the capturer

    If cbLog.Checked Then
        capturer.SetLogFile(Path.GetTempPath() & "Capturing Log.txt")
    End If

    Dim captureToAvi As Boolean = (tabControl1.SelectedIndex = 1)

    capturer.AudioEnabled = cbEnableAudio.Checked
    capturer.CurrentAudioDeviceName = cmbAudioDevices.SelectedItem.ToString()
    If cmbAudioLines.Items.Count > 0 Then
        capturer.CurrentAudioDeviceLineName = cmbAudioLines.SelectedItem.ToString()
    End If

    If captureToAvi Then
        capturer.CurrentAudioCodecName = cmbAviAudioCodecs.SelectedItem.ToString()
        capturer.CurrentVideoCodecName = cmbAviVideoCodecs.SelectedItem.ToString()
    Else
        ' capture to WMV
        capturer.CurrentWMVAudioCodecName = cmbWmvAudioCodecs.SelectedItem.ToString()
        capturer.CurrentWMVAudioFormat = cmbWmvAudioFormats.SelectedIndex
        capturer.CurrentWMVVideoCodecName = cmbWmvVideoCodecs.SelectedItem.ToString()
    End If

    capturer.MouseAnimationDuration = 400

```

```

capturer.FPS = Single.Parse(cmbFPS.Text)
    capturer.CaptureTransparentControls = cbCaptureLayeredWindows.Checked
    capturer.MouseSpotRadius = CInt(Math.Truncate(nudMouseHotSpot.Value))

capturer.CaptureRectLeft = Integer.Parse(tbX.Text)
capturer.CaptureRectTop = Integer.Parse(tbY.Text)
capturer.CaptureRectWidth = Integer.Parse(tbWidth.Text)
capturer.CaptureRectHeight = Integer.Parse(tbHeight.Text)

capturer.OutputWidth = Integer.Parse(tbWidth.Text)
capturer.OutputHeight = Integer.Parse(tbHeight.Text)

' Set capturing mode

If rbRectRegion.Checked Then
    capturer.CapturingType = CaptureAreaType.catRegion
    ' set border style
    capturer.CaptureAreaBorderType = CaptureAreaBorderType.cabtDashed
ElseIf rbRegionAroundMouse.Checked Then
    capturer.CapturingType = CaptureAreaType.catMouse
    ' set border style
    capturer.CaptureAreaBorderType = CaptureAreaBorderType.cabtDashed
Else
    capturer.CapturingType = CaptureAreaType.catScreen
End If

If cbShowWebCamOverlay.Checked Then
    ' Set web camera device to add overlaying video to the source
    capturer.AddWebCamVideo = True

    ' Set device name or you can set device by index using .CurrentCaptureDevice
    capturer.CurrentWebCam = cmbWebCameras.SelectedIndex

    ' Set rectangle to show overlaying video from webcam into the rectangle 160x160
    capturer.SetWebCamVideoRectangle(Integer.Parse(tbWebCameraX.Text), Integer.Parse(tbWebCameraY.Text), Integer.Parse(tbWebCameraX2.Text), Integer.Parse(tbWebCameraY2.Text))
End If

' Save to temp file

Dim filename As String = Path.GetTempFileName()
filename = Path.ChangeExtension(filename, CType(If(captureToAvi, "avi", "wmv"), String))
capturer.OutputFileName = filename

Try
    ' Start capturing
    Try
        Cursor = Cursors.WaitCursor
        capturer.Run()
    Catch
    End Try

    ' IMPORTANT: if you want to check for some code if need to stop the recording
    ' using Thread.Sleep(1) inside the checking loop, so you have the loop like
    ' Do
    ' Thread.Sleep(1)
    ' While StopButtonNotClicked

    ' IMPORTANT: if you want to check for some code if need to stop the recording
    ' using Thread.Sleep(1) inside the checking loop, so you have the loop like
    ' Do
    ' Thread.Sleep(1)

```

```

' While StopButtonNotClicked

        Finally
            Cursor = Cursors.Default
        End Try

        _recording = True
        btnStartRecording.Enabled = False
            btnPauseRecording.Enabled = True
        btnStopRecording.Enabled = True

' Wait for "Stop Recording" button pressed
While _recording
    Thread.Sleep(10)
    Application.DoEvents()
End While

' Stop capturing
    Try
        Cursor = Cursors.WaitCursor
        capturer.Stop()
        Finally
            Cursor = Cursors.Default
        End Try

' Ask for output file name
Dim dlg As New SaveFileDialog()

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

If captureToAvi Then
    dlg.DefaultExt = "*.avi"
    dlg.Filter = "AVI files (*.avi)|*.avi|All files (*.*)|*.*"
Else
    dlg.DefaultExt = "*.wmv"
    dlg.Filter = "WMV files (*.wmv)|*.wmv|All files (*.*)|*.*"
End If

If dlg.ShowDialog() = DialogResult.OK Then
    ' Save to specified file name
    File.Copy(capturer.OutputFileName, dlg.FileName, True)
End If

' clean up
Try
    File.Delete(capturer.OutputFileName)
Catch
End Try

btnStartRecording.Enabled = True
    btnPauseRecording.Enabled = False
btnStopRecording.Enabled = False

' open saved video in default video viewer
    Try
        Process.Start(dlg.FileName)
    Catch
    End Try
Catch ex As COMException

```

```

        MessageBox.Show(ex.Message)
    End Try
End Sub

Private Sub btnPauseRecording_Click(sender As Object, e As EventArgs)
    Dim captureToAvi As Boolean = (tabControl1.SelectedIndex = 1)

    If captureToAvi Then
        MessageBox.Show("Pausing is only available for WMV format yet.")
        Return
    End If

    If Not _paused Then
        capturer.Pause()
        _paused = True
        btnPauseRecording.Text = "Resume recording"
    Else
        ' Resume capturing
        capturer.Run()
        _paused = False
        btnPauseRecording.Text = "Pause recording"
    End If
End Sub

Private Sub btnStopRecording_Click(sender As Object, e As System.EventArgs)
    ' Toggle recording flag
    If _recording Then
        _recording = False
    End If
End Sub
End Class

```

Program.vb

```

Imports System.Collections.Generic
Imports System.Windows.Forms

NotInheritable Class Program
    Private Sub New()
    End Sub
    ''' <summary>
    ''' The main entry point for the application.
    ''' </summary>
    <STAThread> _
    Friend Shared Sub Main()
        Application.EnableVisualStyles()
        Application.SetCompatibleTextRenderingDefault(False)
        Application.Run(New Form1())
    End Sub
End Class

```



VIDEO

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

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