

## How to read barcode from live video cam with barcode reader sdk in C# and ByteScout Barcode Suite

Learn to read barcode from live video cam with barcode reader sdk in C#

This sample source code below will display you how to read barcode from live video cam with barcode reader sdk in C#. ByteScout Barcode Suite is the bundle that provides 3 SDK products to generate barcodes (Barcode SDK), read barcodes (Barcode Reader SDK) and read and write spreadsheets (Spreadsheet SDK). It can be applied to read barcode from live video cam with barcode reader sdk using C#.

The SDK samples given below describe how to quickly make your application do read barcode from live video cam with barcode reader sdk in C# with the help of ByteScout Barcode Suite. IF you want to implement the functionality, just copy and paste this code for C# below into your code editor with your app, compile and run your application. Want to see how it works with your data then code testing will allow the function to be tested and work properly.

The trial version of ByteScout Barcode Suite can be downloaded for free from our website. It also includes source code samples for C# and other programming languages.

FOR MORE INFORMATION AND FREE TRIAL:

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Source Code Files:

```

namespace ReadFromVideoCamera
{
    partial class MainForm
    {
        /// <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 disposed; otherwise, false; otherwise, false if disposing of unmanaged resources.
        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.lblFoundBarcodes = new System.Windows.Forms.Label();
            this.pictureBoxPreview = new System.Windows.Forms.PictureBox();
            this.btnStop = new System.Windows.Forms.Button();
            this.btnStart = new System.Windows.Forms.Button();
            this.rtbFoundBarcodes = new System.Windows.Forms.RichTextBox();
            this.label1 = new System.Windows.Forms.Label();
            this.cmbCamera = new System.Windows.Forms.ComboBox();
            this.btnExit = new System.Windows.Forms.Button();
            this.label3 = new System.Windows.Forms.Label();
            this.cmbBarcodeType = new System.Windows.Forms.ComboBox();
            this.lblScanning = new System.Windows.Forms.Label();
            this.label2 = new System.Windows.Forms.Label();
            this.tbCameraWidth = new System.Windows.Forms.TextBox();
            this.tbCameraHeight = new System.Windows.Forms.TextBox();
            this.label4 = new System.Windows.Forms.Label();
            this.cbStopOnFirstBarcode = new System.Windows.Forms.CheckBox();
            this.btnUpdateCameraImageDimensions = new System.Windows.Forms.Button();
            this.btnCameraProperties = new System.Windows.Forms.Button();
            ((System.ComponentModel.ISupportInitialize)(this.pictureBoxPreview)).BeginInit();
            this.SuspendLayout();
            //
            // lblFoundBarcodes
            //
            this.lblFoundBarcodes.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
            this.lblFoundBarcodes.AutoSize = true;
        }
    }
}

```

```

        this.lblFoundBarcodes.Location = new System.Drawing.Point(12, 690);
        this.lblFoundBarcodes.Name = "lblFoundBarcodes";
        this.lblFoundBarcodes.Size = new System.Drawing.Size(93, 13);
        this.lblFoundBarcodes.TabIndex = 5;
        this.lblFoundBarcodes.Text = "Found 0 barcodes";
        //
        // pictureBoxPreview
        //
        this.pictureBoxPreview.Anchor = ((System.Windows.Forms.AnchorStyles
| System.Windows.Forms.AnchorStyles.Left)
| System.Windows.Forms.AnchorStyles.Right));
        this.pictureBoxPreview.BackColor = System.Drawing.Color.White;
        this.pictureBoxPreview.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
        this.pictureBoxPreview.Location = new System.Drawing.Point(12, 690);
        this.pictureBoxPreview.Name = "pictureBoxPreview";
        this.pictureBoxPreview.Size = new System.Drawing.Size(640, 480);
        this.pictureBoxPreview.SizeMode = System.Windows.Forms.PictureBoxSizeMode.StretchImage;
        this.pictureBoxPreview.TabIndex = 8;
        this.pictureBoxPreview.TabStop = false;
        //
        // btnStop
        //
        this.btnStop.Anchor = ((System.Windows.Forms.AnchorStyles)((System
| System.Windows.Forms.AnchorStyles.Right)));
        this.btnStop.Enabled = false;
        this.btnStop.Font = new System.Drawing.Font("Tahoma", 8.25F, System
| System.Drawing.FontStyle.Bold);
        this.btnStop.Location = new System.Drawing.Point(98, 690);
        this.btnStop.Name = "btnStop";
        this.btnStop.Size = new System.Drawing.Size(80, 26);
        this.btnStop.TabIndex = 7;
        this.btnStop.Text = "Stop";
        this.btnStop.UseVisualStyleBackColor = true;
        this.btnStop.Click += new System.EventHandler(this.btnStop_Click);
        //
        // btnStart
        //
        this.btnStart.Anchor = ((System.Windows.Forms.AnchorStyles)((System
| System.Windows.Forms.AnchorStyles.Right)));
        this.btnStart.Font = new System.Drawing.Font("Tahoma", 8.25F, System
| System.Drawing.FontStyle.Bold);
        this.btnStart.Location = new System.Drawing.Point(12, 690);
        this.btnStart.Name = "btnStart";
        this.btnStart.Size = new System.Drawing.Size(80, 26);
        this.btnStart.TabIndex = 6;
        this.btnStart.Text = "Start";
        this.btnStart.UseVisualStyleBackColor = true;
        this.btnStart.Click += new System.EventHandler(this.btnStart_Click);
        //
        // rtbFoundBarcodes
        //
        this.rtbFoundBarcodes.Anchor = ((System.Windows.Forms.AnchorStyles
| System.Windows.Forms.AnchorStyles.Right));
        this.rtbFoundBarcodes.Location = new System.Drawing.Point(12, 690);
        this.rtbFoundBarcodes.Name = "rtbFoundBarcodes";
        this.rtbFoundBarcodes.Size = new System.Drawing.Size(640, 68);
        this.rtbFoundBarcodes.TabIndex = 5;
        this.rtbFoundBarcodes.Text = "";
        //
        // label1
        //
        this.label1.AutoSize = true;
        this.label1.Location = new System.Drawing.Point(9, 42);
        this.label1.Name = "label1";

```

```
this.label1.Size = new System.Drawing.Size(80, 13);
this.label1.TabIndex = 20;
this.label1.Text = "Camera Device";
//
// cmbCamera
//
this.cmbCamera.DropDownStyle = System.Windows.Forms.ComboBoxStyle;
this.cmbCamera.FormattingEnabled = true;
this.cmbCamera.Location = new System.Drawing.Point(163, 39);
this.cmbCamera.Name = "cmbCamera";
this.cmbCamera.Size = new System.Drawing.Size(245, 21);
this.cmbCamera.TabIndex = 1;
this.cmbCamera.SelectedIndexChanged += new System.EventHandler();
//
// btnExit
//
this.btnExit.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
this.btnExit.DialogResult = System.Windows.Forms.DialogResult.Cancel;
this.btnExit.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)0));
this.btnExit.Location = new System.Drawing.Point(562, 690);
this.btnExit.Name = "btnExit";
this.btnExit.Size = new System.Drawing.Size(90, 26);
this.btnExit.TabIndex = 8;
this.btnExit.Text = "Exit";
this.btnExit.UseVisualStyleBackColor = true;
this.btnExit.Click += new System.EventHandler(this.btnExit_Click);
//
// label3
//
this.label3.AutoSize = true;
this.label3.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)0));
this.label3.Location = new System.Drawing.Point(9, 15);
this.label3.Name = "label3";
this.label3.Size = new System.Drawing.Size(131, 13);
this.label3.TabIndex = 23;
this.label3.Text = "Barcode Type To Scan";
//
// cmbBarcodeType
//
this.cmbBarcodeType.DropDownStyle = System.Windows.Forms.ComboBoxStyle;
this.cmbBarcodeType.FormattingEnabled = true;
this.cmbBarcodeType.Location = new System.Drawing.Point(163, 117);
this.cmbBarcodeType.Name = "cmbBarcodeType";
this.cmbBarcodeType.Size = new System.Drawing.Size(245, 21);
this.cmbBarcodeType.Sorted = true;
this.cmbBarcodeType.TabIndex = 0;
//
// lblScanning
//
this.lblScanning.Anchor = ((System.Windows.Forms.AnchorStyles)((System.Windows.Forms.AnchorStyles.Top | System.Windows.Forms.AnchorStyles.Right)));
this.lblScanning.AutoSize = true;
this.lblScanning.Font = new System.Drawing.Font("Tahoma", 8.25F, System.Drawing.FontStyle.Regular, System.Drawing.GraphicsUnit.Point, ((byte)0));
this.lblScanning.Location = new System.Drawing.Point(580, 600);
this.lblScanning.Name = "lblScanning";
this.lblScanning.Size = new System.Drawing.Size(67, 13);
this.lblScanning.TabIndex = 24;
this.lblScanning.Text = "Scanning...";
this.lblScanning.Visible = false;
//
// label2
```

```

//
this.label2.AutoSize = true;
this.label2.Location = new System.Drawing.Point(9, 69);
this.label2.Name = "label2";
this.label2.Size = new System.Drawing.Size(132, 13);
this.label2.TabIndex = 26;
this.label2.Text = "Camera Image Dimensions";
//
// tbCameraWidth
//
this.tbCameraWidth.Location = new System.Drawing.Point(163, 66);
this.tbCameraWidth.Name = "tbCameraWidth";
this.tbCameraWidth.Size = new System.Drawing.Size(35, 20);
this.tbCameraWidth.TabIndex = 2;
this.tbCameraWidth.Text = "640";
//
// tbCameraHeight
//
this.tbCameraHeight.Location = new System.Drawing.Point(222, 66);
this.tbCameraHeight.Name = "tbCameraHeight";
this.tbCameraHeight.Size = new System.Drawing.Size(35, 20);
this.tbCameraHeight.TabIndex = 3;
this.tbCameraHeight.Text = "480";
//
// label4
//
this.label4.AutoSize = true;
this.label4.Location = new System.Drawing.Point(204, 69);
this.label4.Name = "label4";
this.label4.Size = new System.Drawing.Size(12, 13);
this.label4.TabIndex = 29;
this.label4.Text = "x";
//
// cbStopOnFirstBarcode
//
this.cbStopOnFirstBarcode.AutoSize = true;
this.cbStopOnFirstBarcode.Location = new System.Drawing.Point(163, 66);
this.cbStopOnFirstBarcode.Name = "cbStopOnFirstBarcode";
this.cbStopOnFirstBarcode.Size = new System.Drawing.Size(154, 20);
this.cbStopOnFirstBarcode.TabIndex = 30;
this.cbStopOnFirstBarcode.Text = "Stop on first barcode found";
this.cbStopOnFirstBarcode.UseVisualStyleBackColor = true;
//
// btnUpdateCameraImageDimensions
//
this.btnUpdateCameraImageDimensions.Location = new System.Drawing.Point(163, 66);
this.btnUpdateCameraImageDimensions.Name = "btnUpdateCameraImageDimensions";
this.btnUpdateCameraImageDimensions.Size = new System.Drawing.Size(132, 23);
this.btnUpdateCameraImageDimensions.TabIndex = 4;
this.btnUpdateCameraImageDimensions.Text = "Update";
this.btnUpdateCameraImageDimensions.UseVisualStyleBackColor = true;
this.btnUpdateCameraImageDimensions.Click += new System.EventHandler();
//
// btnCameraProperties
//
this.btnCameraProperties.Location = new System.Drawing.Point(41, 66);
this.btnCameraProperties.Name = "btnCameraProperties";
this.btnCameraProperties.Size = new System.Drawing.Size(131, 23);
this.btnCameraProperties.TabIndex = 31;
this.btnCameraProperties.Text = "Camera Properties";

```

```

        this.btnCameraProperties.UseVisualStyleBackColor = true;
        this.btnCameraProperties.Click += new System.EventHandler(this
        //
        // MainForm
        //
        this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
        this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
        this.CancelButton = this.btnExit;
        this.ClientSize = new System.Drawing.Size(664, 728);
        this.Controls.Add(this.btnCameraProperties);
        this.Controls.Add(this.btnUpdateCameraImageDimensions);
        this.Controls.Add(this.cbStopOnFirstBarcode);
        this.Controls.Add(this.label4);
        this.Controls.Add(this.tbCameraHeight);
        this.Controls.Add(this.tbCameraWidth);
        this.Controls.Add(this.label2);
        this.Controls.Add(this.lblScanning);
        this.Controls.Add(this.label3);
        this.Controls.Add(this.cmbBarcodeType);
        this.Controls.Add(this.btnExit);
        this.Controls.Add(this.label1);
        this.Controls.Add(this.cmbCamera);
        this.Controls.Add(this.rtbFoundBarcodes);
        this.Controls.Add(this.btnStop);
        this.Controls.Add(this.btnStart);
        this.Controls.Add(this.pictureBoxPreview);
        this.Controls.Add(this.lblFoundBarcodes);
        this.Name = "MainForm";
        this.ShowIcon = false;
        this.StartPosition = System.Windows.Forms.FormStartPosition.Center
        this.Text = "Barcode Scanner";
        this.Load += new System.EventHandler(this.Form_Load);
        ((System.ComponentModel.ISupportInitialize)(this.pictureBoxPre
        this.ResumeLayout(false);
        this.PerformLayout();

    }

#endregion

private System.Windows.Forms.Label lblFoundBarcodes;
private System.Windows.Forms.PictureBox pictureBoxPreview;
private System.Windows.Forms.Button btnStop;
private System.Windows.Forms.Button btnStart;
private System.Windows.Forms.RichTextBox rtbFoundBarcodes;
private System.Windows.Forms.Label label1;
private System.Windows.Forms.ComboBox cmbCamera;
private System.Windows.Forms.Button btnExit;
private System.Windows.Forms.Label label3;
private System.Windows.Forms.ComboBox cmbBarcodeType;
private System.Windows.Forms.Label lblScanning;
private System.Windows.Forms.Label label2;
private System.Windows.Forms.TextBox tbCameraWidth;
private System.Windows.Forms.TextBox tbCameraHeight;
private System.Windows.Forms.Label label4;
    private System.Windows.Forms.CheckBox cbStopOnFirstBarcode;
private System.Windows.Forms.Button btnUpdateCameraImageDimensions;
private System.Windows.Forms.Button btnCameraProperties;

}
}

```

## MainForm.cs

```
using System;
using System.ComponentModel;
using System.Drawing;
using System.Media;
using System.Reflection;
using System.Text;
using System.Windows.Forms;
using System.Threading;
using Bytescout.BarCodeReader;
using TouchlessLib;

namespace ReadFromVideoCamera
{
    public partial class MainForm: Form
    {
        // Scan delay, ms.
        const int SCAN_DELAY = 1500; // scan barcodes every 1.5 sec

        // Touchless SDK library manager (to use it you should have TouchlessLib.dll)
        readonly TouchlessMgr _touchlessLibManager;

        // Background thread for barcode scanning
        readonly BackgroundWorker _backgroundWorker = new BackgroundWorker();
        // Synchronization event
        readonly AutoResetEvent _synchronizationEvent = new AutoResetEvent(false);

        // Form constructor
        public MainForm()
        {
            InitializeComponent();

            // Create Touchless library manager
            _touchlessLibManager = new TouchlessMgr();

            // Setup background worker
            _backgroundWorker.WorkerSupportsCancellation = true;
            _backgroundWorker.DoWork += BackgroundWorker_DoWork;
            _backgroundWorker.RunWorkerCompleted += BackgroundWorker_RunWorkerCompleted;
        }

        // On form loading
        private void Form_Load(object sender, EventArgs e)
        {
            // Fill devices combobox with available video cameras
            foreach (Camera camera in _touchlessLibManager.Cameras)
            {
            }
        }
    }
}
```

```

        cmbCamera.Items.Add(camera);

        // Select the first available camera. See also cmbCamera_SelectedIndexChanged
        if (_touchlessLibManager.Cameras.Count > 0)
            cmbCamera.SelectedItem = _touchlessLibManager.Cameras[0];
        else
            MessageBox.Show("No video camera available. Please connect the

        // Populate barcode types combobox
        PopulateBarcodeTypesCombobox();
        // Select some default barcode type
        cmbBarcodeType.SelectedItem = "QRCode";
    }

    protected void PopulateBarcodeTypesCombobox()
    {
        cmbBarcodeType.Items.Clear();

        foreach (PropertyInfo propertyInfo in typeof(BarcodeTypeSelector).
            cmbBarcodeType.Items.Add(propertyInfo.Name);
    }

    // On camera selected
    private void cmbCamera_SelectedIndexChanged(object sender, EventArgs e)
    {
        if (_touchlessLibManager.CurrentCamera != null)
            _touchlessLibManager.CurrentCamera.OnImageCaptured -= CurrentCamera_OnI

            if (cmbCamera.SelectedIndex != -1)
            {
                Camera camera = _touchlessLibManager.Cameras[cmbCamera

                if (camera != null)
                {
                    // Set camera output image dimensions
                    camera.CaptureWidth = int.Parse(tbCameraWidth.T
                    camera.CaptureHeight = int.Parse(tbCameraHeight

                    camera.OnImageCaptured += CurrentCamera_OnImage

                    // Select the camera
                    _touchlessLibManager.CurrentCamera = camera;
                }
            }
    }

    private void btnUpdateCameraImageDimensions_Click(object sender, EventArgs e)
    {
        if (_touchlessLibManager.CurrentCamera != null)
        {
            // Update camera's output image dimensions
            _touchlessLibManager.CurrentCamera.CaptureWidth = int.Parse(tbCameraWi
            _touchlessLibManager.CurrentCamera.CaptureHeight = int.Parse(tbCameraHe
        }
    }

    public void StartDecoding()
    {
        if (cmbCamera.SelectedIndex == -1)
            return;
    }

```

```

// Clear the output text box
rtbFoundBarcodes.Clear();

// Check if we have camera selected
if (cmbCamera.SelectedIndex != -1)
{
    // Start the decoding in the background thread
    BarcodeTypeSelector barcodeTypesToFind = GetBarcodeTypeFromComboBox();
    _backgroundWorker.RunWorkerAsync(barcodeTypesToFind);

    UpdateControls(true);
}
else
{
    MessageBox.Show("Please select the camera first!");
}
}

private void StopDecoding()
{
    _backgroundWorker.CancelAsync();

    // Wait until BackgroundWorker finished
    if (_backgroundWorker.IsBusy)
        _synchronizationEvent.WaitOne();

    UpdateControls(false);
}

void UpdateControls(bool started)
{
    if (started)
    {
        btnStart.Enabled = false;
        btnStop.Enabled = true;
        cmbBarcodeType.Enabled = false;
        cmbCamera.Enabled = false;
        tbCameraHeight.Enabled = false;
        tbCameraWidth.Enabled = false;
        btnUpdateCameraImageDimensions.Enabled = false;
        cbStopOnFirstBarcode.Enabled = false;
        lblScanning.Visible = true;
        lblScanning.Text = "Scanning...";
    }
    else
    {
        btnStart.Enabled = true;
        btnStop.Enabled = false;
        cmbBarcodeType.Enabled = true;
        cmbCamera.Enabled = true;
        cbStopOnFirstBarcode.Enabled = true;
        tbCameraHeight.Enabled = true;
        tbCameraWidth.Enabled = true;
        btnUpdateCameraImageDimensions.Enabled = true;
        lblScanning.Visible = true;
    }
}

void CurrentCamera_OnImageCaptured(object sender, CameraEventArgs e)

```

```

    {
        pictureBoxPreview.Image = e.Image;
    }

    private void btnStart_Click(object sender, EventArgs e)
    {
        StartDecoding();
    }

    private void btnStop_Click(object sender, EventArgs e)
    {
        StopDecoding();
    }

    // Background thread procedure used by BackgroundWorker
    public void BackgroundWorker_DoWork(object sender, DoWorkEventArgs e)
    {
        BackgroundWorker worker = (BackgroundWorker) sender;
        BarcodeTypeSelector barcodeTypesToFind = (BarcodeTypeSelector)

        // Create and setup barcode reader instance
        using (Reader reader = new Reader())
        {
            reader.RegistrationName = "demo";
            reader.RegistrationKey = "demo";

            reader.BarcodeTypesToFind = barcodeTypesToFind;

            // Work while not canceled
            while (true)
            {
                // Check cancellation
                if (worker.CancellationPending)
                {
                    e.Cancel = true;
                    _synchronizationEvent.Set();
                    return;
                }

                // Get image from camera by invoking method from
                Bitmap bitmap = (Bitmap) Invoke(new GetCameraIn

                if (bitmap == null)
                {
                    e.Result = null;
                    return;
                }

                /* -----
                NOTE: We can read barcodes from specific page
                For sample please refer to "Decoding barcodes
                -----

                // Search the image for barcodes
                FoundBarcode[] result = reader.ReadFrom(bitmap)

                // Update UI asynchronously
                BeginInvoke(new Action<FoundBarcode[]>(UpdateS

                // Pause
                Thread.Sleep(SCAN_DELAY);

```

```

    }
}

delegate Bitmap GetCameraImageDelegate();

Bitmap GetCameraImage()
{
    if (!IsDisposed && !Disposing && _touchlessLibManager.CurrentCamera != null)
        return _touchlessLibManager.CurrentCamera.GetCurrentImage();

    return null;
}

// Update UI with found barcodes information
void UpdateStatus(FoundBarcode[] foundBarcodes)
{
    if (foundBarcodes != null && foundBarcodes.Length > 0)
    {
        // Play sound if we found any barcode
        SystemSounds.Beep.Play();

        StringBuilder stringBuilder = new StringBuilder();

        stringBuilder.AppendFormat("Time: {0:HH:mm:ss:tt}", DateTime.Now);
        stringBuilder.AppendLine();

        // Display found barcodes in the output text box
        foreach (FoundBarcode barcode in foundBarcodes)
        {
            stringBuilder.AppendFormat("Found barcode: {0}", barcode);
            stringBuilder.AppendLine();
        }

        rtbFoundBarcodes.Text = stringBuilder.ToString();

        // Update status text with number of found barcodes
        lblFoundBarcodes.Text = string.Format("Found {0} barcodes", foundBarcodes.Length);
    }

    // Make "Scanning..." label flicker.
    lblScanning.Visible = !lblScanning.Visible;
    lblScanning.Refresh();

    // Check if we need to stop on first barcode found
    if (cbStopOnFirstBarcode.Checked && foundBarcodes != null && foundBarcodes.Length > 0)
    {
        StopDecoding();
    }
}

// Background thread is finished
private void BackgroundWorker_RunWorkerCompleted(object sender, RunWorkerCompletedEventArgs e)
{
    // Update UI asynchronously
    BeginInvoke(new Action<RunWorkerCompletedEventArgs>(OnBackgroundWorkerFinished), e);
}

void OnBackgroundWorkerFinished(RunWorkerCompletedEventArgs completedEventArgs)
{

```

```

        if (completedEventArgs.Cancelled)
        {
            lblScanning.Text = "Stopped";
        }
        else if (completedEventArgs.Error != null)
        {
            lblScanning.Text = "Error: " + completedEventArgs.Error;
        }
        else
        {
            lblScanning.Text = "Done!";
        }

        UpdateControls(false);
    }

    // Gets selected barcode type
    private BarcodeTypeSelector GetBarcodeTypeFromCombobox()
    {
        BarcodeTypeSelector result = new BarcodeTypeSelector();

        string selectedBarcodeTypeName = (string) cmbBarcodeType.SelectedItem;

        PropertyInfo propertyInfo = typeof(BarcodeTypeSelector).GetProperty(selectedBarcodeTypeName);
        propertyInfo.SetValue(result, true, null);

        return result;
    }

    protected override void OnClosing(CancelEventArgs e)
    {
        StopDecoding();

        _touchlessLibManager.Dispose();

        base.OnClosing(e);
    }

    private void btnExit_Click(object sender, EventArgs e)
    {
        DialogResult = DialogResult.OK;

        Close();
    }

    private void btnCameraProperties_Click(object sender, EventArgs e)
    {
        try
        {
            if (_touchlessLibManager.CurrentCamera != null)
                _touchlessLibManager.CurrentCamera.ShowProperties();
        }
        catch (Exception exception)
        {
            MessageBox.Show(exception.Message);
        }
    }
}

```

Program.cs

```
using System;
using System.Windows.Forms;

namespace ReadFromVideoCamera
{
    static class Program
    {
        /// <summary>
        /// The main entry point for the application.
        /// </summary>
        [MTAThread]
        static void Main()
        {
            Application.EnableVisualStyles();
            Application.SetCompatibleTextRenderingDefault(false);

            MainForm dlg = new MainForm();
            dlg.ShowDialog();
        }
    }
}
```

---

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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