How to acquire barcode from scanner and decode with barcode reader sdk in C# with ByteScout Barcode Suite

This code in C# shows how to acquire barcode from scanner and decode with barcode reader sdk with this how to tutorial

We made thousands of pre-made source code pieces for easy implementation in your own programming projects. Want to acquire barcode from scanner and decode with barcode reader sdk in your C# app? ByteScout Barcode Suite is designed for it. ByteScout Barcode Suite is the set that includes three different SDK products to generate barcodes, read barcodes and read and write spreadsheets: Barcode SDK, Barcode Reader SDK and Spreadsheet SDK.

The following code snippet for ByteScout Barcode Suite works best when you need to quickly acquire barcode from scanner and decode with barcode reader sdk in your C# application. Follow the instructions from scratch to work and copy the C# code. This basic programming language sample code for C# will do the whole work for you to acquire barcode from scanner and decode with barcode reader sdk.

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.

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Source Code Files:

Program.cs

```csharp
using System;
using System.IO;
using System.Text;
using System.Windows.Forms;
using Bytescout.BarCodeReader;

// This example demonstrates camera image acquiring using Windows Image Acquisition (WI
// BarCode Reader SDK has builtin WIAImageScanner class for WIA.
// If you experienced issues with this example, please try another example located in /

namespace BarcodeFromWebCam
{
        static class Program
        {
                static void Main()
                {
            // Use WIAImageScanner image acquisition module
            WIAImageScanner wiaScanner = new WIAImageScanner();

            wiaScanner.OutputFileNameTemplate = "BarCodeReader-scanned";
            wiaScanner.OutputImageFormat = WiaImageFormatType.PNG;
            wiaScanner.ImageQuality = WiaImageBias.MaximizeQuality;
            wiaScanner.ImageIntent = WiaImageIntent.UnspecifiedIntent;
            wiaScanner.ShowDeviceSelectionDialog = true;

            try
            {
                // Run Acquire and exit if canceled or zero images
                if (!wiaScanner.Acquire())
                    return;
            }
            catch (Exception e)
            {
                string message = e.Message;
                if (e.InnerException != null)
                    message = message + "\r\n\r\n" + e.InnerException.Message;
                MessageBox.Show("Failed acquiring images:\r\n\r\n" + message);
                return;
            }

            // Create barcode reader
            Reader reader = new Reader();
            reader.RegistrationName = "demo";
                    reader.RegistrationKey = "demo";

            // Enable decoding of ALL known barcode types.
            reader.BarcodeTypesToFind.All = true;
            // To speed up the processing and avoid false positives select specific ba
            // e.g. barcodeReader.BarcodeTypesToFind.PDF417 = True

            /* -----------------------------------------------------------------------
            NOTE: We can read barcodes from specific page to increase performance .
            For sample please refer to "Decoding barcodes from PDF by pages" program.
            ------------------------------------------------------------------------ */
```

```csharp
            FoundBarcode[] barcodes = reader.ReadFrom(wiaScanner.OutputFiles[0]);

        if (barcodes.Length > 0)
        {
            StringBuilder builder = new StringBuilder();
            foreach (FoundBarcode barcode in barcodes)
                builder.AppendLine(String.Format("Found barcode with type '{0}' and
            MessageBox.Show(builder.ToString());
        }
        else
        {
            MessageBox.Show(wiaScanner.OutputFiles[0] + "\r\n\r\nCould not find any
        }

        // cleanup
        reader.Dispose();
            }
    }
}
```

VIDEO

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

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