

How to batch read barcodes to CSV in VB.NET with ByteScout BarCode Reader SDK

This tutorial will show how to batch read barcodes to CSV in VB.NET

These sample source codes on this page below are demonstrating how to batch read barcodes to CSV in VB.NET. What is ByteScout BarCode Reader SDK? It is the SDK for reading of barcodes from PDF, images and live camera or video. Almost every common type like Code 39, Code 128, GS1, UPC, QR Code, Datamatrix, PDF417 and many others are supported. Supports noisy and defective images and docs. Includes optional documents splitter and merger for pdf and tiff based on found barcodess. Batch mode is supported for superior performance using multiple threads. Decoded values are easily exported to JSON, CSV, XML and to custom format. It can help you to batch read barcodes to CSV in your VB.NET application.

VB.NET code samples for VB.NET developers help to speed up coding of your application when using ByteScout BarCode Reader SDK. Just copy and paste the code into your VB.NET application's code and follow the instruction. Further enhancement of the code will make it more vigorous.

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Source Code Files:

Program.vb

```
Imports Bytescout.BarCodeReader

Module Program

    Sub Main()

        Try

            'Read Barcode Process
            Dim reader As Reader = New Reader
            reader.RegistrationKey = "demo"
            reader.RegistrationName = "demo"

            ' Set Barcode type to find
            reader.BarcodeTypesToFind.SetAll()

            ' Output list
            Dim lstCSVOutput As New List(Of CSVOutputFormat)

            ' Get all files in folder, and iterate through each file
            Dim files = System.IO.Directory.GetFiles("BarcodeFiles")
            For Each fileName As String In files

                ' -----
                ' NOTE: We can read barcodes from specific page to increase performance
                ' For sample please refer to "Decoding barcodes from PDF by pages" prog
                ' -----

                ' Read barcodes
                Dim FoundBarcodes As FoundBarcode() = reader.ReadFrom(fileName)

                For Each code As FoundBarcode In FoundBarcodes
                    lstCSVOutput.Add(
                        New CSVOutputFormat With {
                            .barcodeType = code.Type.ToString(),
                            .barcodeValue = code.Value,
                            .scanDateTime = DateTime.Now.ToString(),
                            .fileName = fileName
                        })
                Next

            Next

            Console.WriteLine("Total {0} barcode found in {1} file.", lstCSVOutput.Count)

            ' Export to CSV
            ExportToCsv(lstCSVOutput)

            ' Cleanup
            reader.Dispose()

        Catch ex As Exception
            Console.WriteLine(ex.Message)
        End Try

    End Sub

End Module
```

```
Console.WriteLine("Press enter key to exit...")
Console.ReadLine()

End Sub

Sub ExportToCsv(ByVal lstCSVOutput As List(Of CSVOutputFormat))

    Dim csvOutputContent As New System.Text.StringBuilder(String.Empty)

    csvOutputContent.Append("Barcode Value,Barcode Type,Scan DateTime,File Name")

    For Each item As CSVOutputFormat In lstCSVOutput

        csvOutputContent.AppendFormat("{0}{1},{2},{3},{4}",
            Environment.NewLine,
            item.barcodeValue,
            item.barcodeType,
            item.scanDateTime,
            item.fileName
        )

    Next

    System.IO.File.WriteAllText("output.csv", csvOutputContent.ToString())

    Process.Start("output.csv")

End Sub

Class CSVOutputFormat
    Public Property barcodeValue As String
    Public Property barcodeType As String
    Public Property scanDateTime As String
    Public Property fileName As String
End Class

End Module
```

VIDEO

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

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