

## download and process file in VB.NET and ByteScout BarCode Reader SDK

ByteScout BarCode Reader SDK: 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.

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## Source Code Files:

BarcodesFromPDF.VS2005.vbproj

```
<Project DefaultTargets="Build" xmlns="http://schemas.microsoft.com/developer/msbuild/2003">
  <PropertyGroup>
    <Configuration Condition="'$(Configuration)' == ''">Debug</Configuration>
    <Platform Condition="'$(Platform)' == ''">AnyCPU</Platform>
    <ProductVersion>8.0.50727</ProductVersion>
    <SchemaVersion>2.0</SchemaVersion>
    <ProjectGuid>{5F17DE51-EC94-4A5A-AF58-C4876D4BA652}</ProjectGuid>
    <OutputType>Exe</OutputType>
    <RootNamespace>BarcodesFromPDF</RootNamespace>
    <AssemblyName>BarcodesFromPDF</AssemblyName>
  </PropertyGroup>
  <PropertyGroup Condition="'$(Configuration)|$(Platform)' == 'Debug|AnyCPU' ">
```

```

<DebugSymbols>>true</DebugSymbols>
<DebugType>full</DebugType>
<Optimize>>false</Optimize>
<OutputPath>bin\Debug</OutputPath>
<DefineConstants>DEBUG,TRACE</DefineConstants>
<ErrorReport>prompt</ErrorReport>
<WarningLevel>4</WarningLevel>
</PropertyGroup>
<PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Release|AnyCPU' ">
  <DebugType>pdbonly</DebugType>
  <Optimize>>true</Optimize>
  <OutputPath>bin\Release</OutputPath>
  <DefineConstants>TRACE</DefineConstants>
  <ErrorReport>prompt</ErrorReport>
  <WarningLevel>4</WarningLevel>
</PropertyGroup>
<Import Project="$(MSBuildBinPath)\Microsoft.VisualBasic.Targets" />
<ItemGroup>
  <Import Include="Microsoft.VisualBasic" />
  <Import Include="System" />
  <Reference Include="Bytescout.BarCodeReader, Version=8.20.0.1340, Culture=neutral, PublicKeyToken=f7dd1bd
    <SpecificVersion>False</SpecificVersion>
    <HintPath>C:\Program Files\Bytescout BarCode Reader SDK\net2.0\Bytescout.BarCodeReader.dll</HintPath>
  </Reference>
  <Reference Include="System" />
  <Reference Include="System.Data" />
  <Reference Include="System.Drawing" />
  <Reference Include="System.Xml" />
  <Compile Include="Program.vb" />
</ItemGroup>
</Project>

```

## BarcodesFromPDF.VS2008.vbproj

```

<Project DefaultTargets="Build" xmlns="http://schemas.microsoft.com/developer/msbuild/2003" ToolsVersion="3.5">
  <PropertyGroup>
    <Configuration Condition=" '$(Configuration)' == '' ">Debug</Configuration>
    <Platform Condition=" '$(Platform)' == '' ">AnyCPU</Platform>
    <ProductVersion>9.0.30729</ProductVersion>
    <SchemaVersion>2.0</SchemaVersion>
    <ProjectGuid>{5F17DE51-EC94-4A5A-AF58-C4876D4BA652}</ProjectGuid>
    <OutputType>Exe</OutputType>
    <RootNamespace>BarcodesFromPDF</RootNamespace>
    <AssemblyName>BarcodesFromPDF</AssemblyName>
    <OldToolsVersion>2.0</OldToolsVersion>
    <TargetFrameworkVersion>v3.5</TargetFrameworkVersion>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Debug|AnyCPU' ">
    <DebugSymbols>>true</DebugSymbols>
    <DebugType>full</DebugType>
    <Optimize>>false</Optimize>
    <OutputPath>bin\Debug</OutputPath>
    <DefineConstants>DEBUG,TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <PropertyGroup Condition=" '$(Configuration)|$(Platform)' == 'Release|AnyCPU' ">
    <DebugType>pdbonly</DebugType>
    <Optimize>>true</Optimize>
    <OutputPath>bin\Release</OutputPath>
    <DefineConstants>TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <Import Project="$(MSBuildToolsPath)\Microsoft.VisualBasic.Targets" />
  <ItemGroup>
    <Import Include="Microsoft.VisualBasic" />

```

```

<Import Include="System" />
<Reference Include="Bytescout.BarCodeReader, Version=8.20.0.1340, Culture=neutral, PublicKeyToken=f7dd1bd
  <SpecificVersion>False</SpecificVersion>
  <HintPath>C:\Program Files\Bytescout BarCode Reader SDK\net3.50\Bytescout.BarCodeReader.dll</HintPath>
</Reference>
<Reference Include="System" />
<Reference Include="System.Data" />
<Reference Include="System.Drawing" />
<Reference Include="System.Xml" />
<Compile Include="Program.vb" />
</ItemGroup>
</Project>

```

## BarcodesFromPDF.VS2010.vbproj

```

<?xml version="1.0" encoding="utf-8"?>
<Project DefaultTargets="Build" xmlns="http://schemas.microsoft.com/developer/msbuild/2003" ToolsVersion="4.0">
  <PropertyGroup>
    <Configuration Condition="'$(Configuration)' == ''">Debug</Configuration>
    <Platform Condition="'$(Platform)' == ''">AnyCPU</Platform>
    <ProductVersion>
</ProductVersion>
    <SchemaVersion>2.0</SchemaVersion>
    <ProjectGuid>{5F17DE51-EC94-4A5A-AF58-C4876D4BA652}</ProjectGuid>
    <OutputType>Exe</OutputType>
    <RootNamespace>BarcodesFromPDF</RootNamespace>
    <AssemblyName>BarcodesFromPDF</AssemblyName>
    <OldToolsVersion>3.5</OldToolsVersion>
    <TargetFrameworkVersion>v4.0</TargetFrameworkVersion>
  </PropertyGroup>
  <PropertyGroup Condition="'$(Configuration)|$(Platform)' == 'Debug|AnyCPU' ">
    <DebugSymbols>>true</DebugSymbols>
    <DebugType>full</DebugType>
    <Optimize>>false</Optimize>
    <OutputPath>bin\Debug</OutputPath>
    <DefineConstants>DEBUG,TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <PropertyGroup Condition="'$(Configuration)|$(Platform)' == 'Release|AnyCPU' ">
    <DebugType>pdbonly</DebugType>
    <Optimize>>true</Optimize>
    <OutputPath>bin\Release</OutputPath>
    <DefineConstants>TRACE</DefineConstants>
    <ErrorReport>prompt</ErrorReport>
    <WarningLevel>4</WarningLevel>
  </PropertyGroup>
  <Import Project="$(MSBuildToolsPath)\Microsoft.VisualBasic.Targets" />
  <ItemGroup>
    <Import Include="Microsoft.VisualBasic" />
    <Import Include="System" />
    <Reference Include="Bytescout.BarCodeReader, Version=8.20.0.1340, Culture=neutral, PublicKeyToken=f7dd1bd
      <SpecificVersion>False</SpecificVersion>
      <HintPath>C:\Program Files\Bytescout BarCode Reader SDK\net4.00\Bytescout.BarCodeReader.dll</HintPath>
    </Reference>
    <Reference Include="System" />
    <Reference Include="System.Data" />
    <Reference Include="System.Drawing" />
    <Reference Include="System.Xml" />
    <Compile Include="Program.vb" />
  </ItemGroup>
</Project>

```

## Program.vb

```
Imports System.IO
Imports Bytescout.BarCodeReader

Class Program
    Friend Shared Sub Main(args As String())

        Dim reader As New Reader()
        reader.RegistrationName = "demo"
        reader.RegistrationKey = "demo"

        ' Limit search to 1-dimensional barcodes only (exclude 2D barcodes to speed up the processing).
        ' Change to barcodeReader.BarcodeTypesToFind.SetAll() to scan for all supported 1D and 2D barcode types
        ' or select specific type, e.g. barcodeReader.BarcodeTypesToFind.PDF417 = True
        reader.BarcodeTypesToFind.All1D = True

        Console.WriteLine("Reading barcodes from PDF document...")

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

        ' Input url of pdf document containing barcodes
        Dim inputUrl As String = "https://bytescout-com.s3.amazonaws.com/files/demo-files/cloud-api/barcode-reader/sa

        ' Get memory stream from url
        Dim oStream As Stream = GetStreamFromUrl(inputUrl)

        ' Read from input stream
        reader.ReadFromStream(oStream)

        For Each barcode As FoundBarcode In reader.FoundBarcodes
            Console.WriteLine("Found barcode with type '{0}' and value '{1}' at page {2} at {3}", barcode.Type, barcode.Value,
                Next

        ' Cleanup
        reader.Dispose()

        Console.WriteLine()
        Console.WriteLine("Press any key to continue.")
        Console.ReadKey()
    End Sub

    """ <summary>
    """ Get stream from Url
    """ </summary>
    Private Shared Function GetStreamFromUrl(ByVal url As String) As Stream

        Dim oData As Byte() = Nothing

        Using wc As New System.Net.WebClient()
            oData = wc.DownloadData(url)
        End Using

        Return New MemoryStream(oData)

    End Function
End Class
```

VIDEO

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

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