

## How to acquire image from scanner and decode with barcode reader sdk in VB.NET and ByteScout Premium Suite

Learn to code in VB.NET to acquire image from scanner and decode with barcode reader sdk with this step-by-step tutorial

We made thousands of pre-made source code pieces for easy implementation in your own programming projects. ByteScout Premium Suite: the bundle that includes twelve SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording. It can acquire image from scanner and decode with barcode reader sdk in VB.NET.

The following code snippet for ByteScout Premium Suite works best when you need to quickly acquire image from scanner and decode with barcode reader sdk in your VB.NET application. IF you want to implement the functionality, just copy and paste this code for VB.NET below into your code editor with your app, compile and run your application. Complete and detailed tutorials and documentation are available along with installed ByteScout Premium Suite if you'd like to learn more about the topic and the details of the API.

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

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Source Code Files:

## Program.vb

```
Imports System.Text
Imports System.Windows.Forms
Imports Bytescout.BarCodeReader

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

NotInheritable Class Program
    Private Sub New()
    End Sub
    Friend Shared Sub Main()

        ' Use WIAImageScanner image acquisition module
        Dim wiaScanner As WIAImageScanner = 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 Not wiaScanner.Acquire() Then
                Return
            End If

            Catch Ex As Exception
                Dim message As String = Ex.Message
                If Ex.InnerException IsNot Nothing Then
                    message = message & Environment.NewLine & Ex.InnerException.Message
                End If
                MessageBox.Show("Failed acquiring images:" & Environment.NewLine & Environment.NewLine & message)
                Return
            End Try

            ' Read barcode:
            Dim barcodeReader As New Reader()
            barcodeReader.RegistrationName = "demo"
            barcodeReader.RegistrationKey = "demo"

            ' Enable decoding of ALL known barcode types.
            barcodeReader.BarcodeTypesToFind.All = True
            ' To speed up the processing and avoid false positives select specific barcodes
            ' 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.
            ' -----

            Dim barcodes As FoundBarcode() = barcodeReader.ReadFrom(wiaScanner.OutputFiles
```

```
If barcodes.Length > 0 Then
    Dim builder As New StringBuilder()
    For Each barcode As FoundBarcode In barcodes
        builder.AppendLine(String.Format("Found barcode of type '{0}' with value '{1}' ", barcode.Type, barcode.Value))
    Next
    MessageBox.Show(builder.ToString())
Else
    MessageBox.Show(wiaScanner.OutputFiles(0) & Environment.NewLine & "Could not find any barcodes")
End If

' Cleanup
barcodeReader.Dispose()

End Sub
End Class
```

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## VIDEO

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

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