
Table of Contents

Foreword	0
Part I Introduction	2
Part II Installation and Testing	2
Part III Reference Guide	3
1 Properties	3
BackColor Property	3
BarColor Property	3
BorderStyle Property	4
Columns Property	4
Data Property	4
ErrorCorrectionLevel Property	5
HandleTilde Property	5
Height Property	5
Mode Property	5
NarrowBarWidth Property	6
Orientation Property	6
PNGImage Property	7
Rows Property	7
TruncateSymbol Property	7
Width Property	7
Y2XRatio Property	8
2 Methods	8
GetActualSize Method	8
Part IV License	8
Index	0

1 Introduction

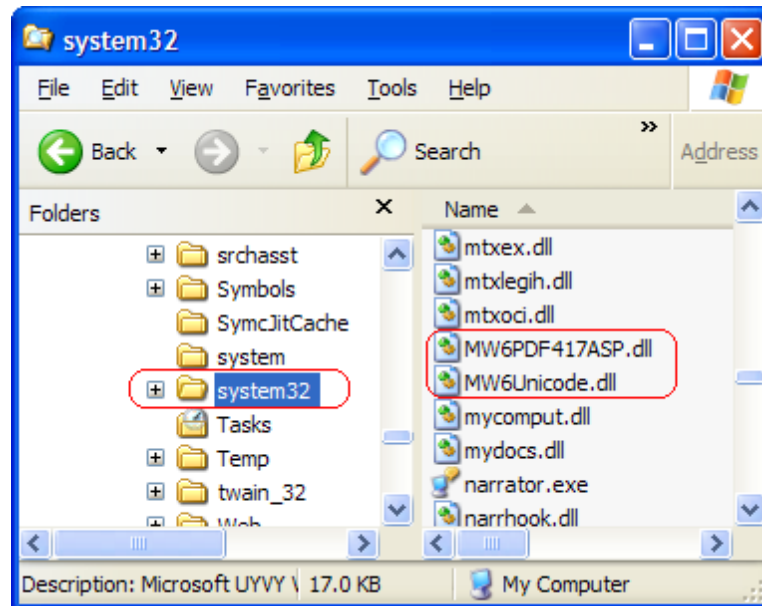
MW6 PDF417 ASP component is an ATL COM product which can add professional quality 2D PDF417 PNG format images to your web pages hosted on the IIS server.

PDF417 is a multi-row, variable-length symbology offering high data capacity and error-correction capability, it is capable of encoding 1100 bytes, 1800 ASCII characters, or 2700 digits.

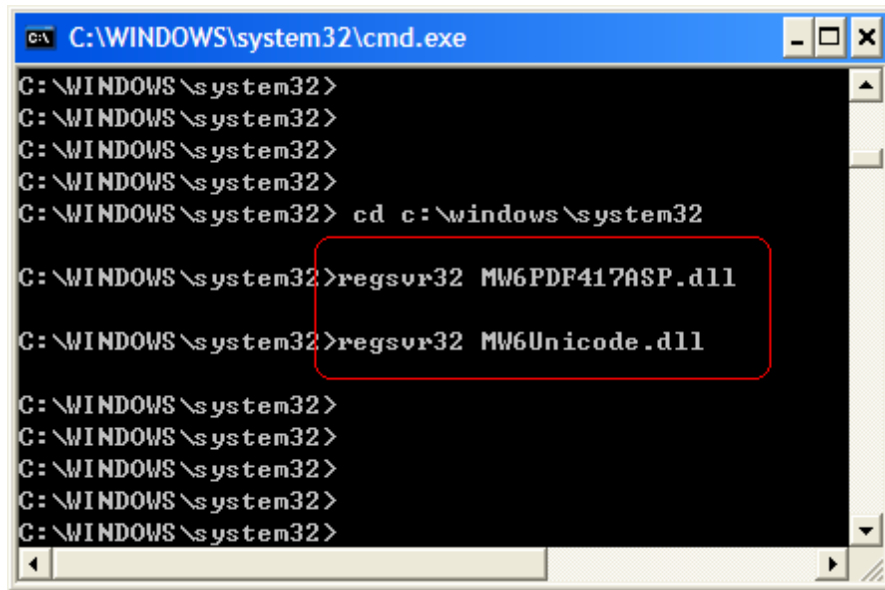
Every PDF417 symbol is composed of a stack of rows, from a minimum of 3 to a maximum of 90 rows, a PDF417 symbol character consists 17 modules arranged into 4 bars and 4 spaces.

2 Installation and Testing

1. The trial version PDF417 ASP component appends "MW6 Demo" to the string encoded with the PDF417 format.
2. For 32-bit version Windows OS, go to the 32-bit system folder (e.g. "c:\winnt\system32" or "c:\windows\system32") of the IIS server. For 64-bit version Windows OS, go to the SysWOW64 folder (e.g. "c:\windows\SysWOW64") of the IIS server. Copy "MW6PDF417ASP.dll" and "MW6Unicode.dll" to the current folder.



3. From the current folder, run the commands "regsvr32 MW6PDF417ASP.dll" and "regsvr32 MW6Unicode.dll" to register them. For Windows Vista or above, you need to use an elevated Command Prompt to run *regsvr32.exe* command, click "Start" > "All Programs" > "Accessories", right-click "Command Prompt", and then click "Run" as administrator.



```
C:\WINDOWS\system32\cmd.exe
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32> cd c:\windows\system32
C:\WINDOWS\system32> regsvr32 MW6PDF417ASP.dll
C:\WINDOWS\system32> regsvr32 MW6Unicode.dll
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
C:\WINDOWS\system32>
```

4. Copy Demo.html, Createlmng.asp and Show.asp to a folder of the IIS server where Active Server Pages are enabled, for example, you can create one folder "C:\inetpub\wwwroot\MyFolder" and copy those 3 files to this folder.
5. Enter the URL of Demo.html to your browser for verifying whether PDF417 ASP component is working or not, for example, you can enter <http://localhost/MyFolder/Demo.html> for testing it on the IIS server itself.

3 Reference Guide

3.1 Properties

3.1.1 BackColor Property

Sets the background color of the PDF417 barcode.

Property Data Type

OLE_COLOR

Remarks

The default value is white color.

3.1.2 BarColor Property

Sets the color of the PDF417 barcode and text.

Property Data Type

OLE_COLOR

Remarks

The default value is black color.

3.1.3 BorderStyle Property

Sets the style of the border rectangle.

Property Data Type

short

Remarks

The default value is 0, this property can be one of the following values:

Value	Description
0	No Border
1	Dash Border
2	Solid Border

3.1.4 Columns Property

Sets the preferred number of the columns for the PDF417 barcode.

Property Data Type

short

Remarks

Typically this property value should be between 3 and 30.

3.1.5 Data Property

Sets the message to encode with PDF417 ASP component.

Property Data Type

BSTR

Remarks

The default value is "12".

3.1.6 ErrorCorrectionLevel Property

Sets the error correction level of the PDF417 barcode.

Property Data Type

short

Remarks

The valid value should be between 0 and 8, the value of 2 is recommended.

3.1.7 HandleTilde Property

Sets a boolean flag indicating whether to process the tilde character "~" or not.

Property Data Type

VARIANT_BOOL

Remarks

If this property is set to TRUE, non-printable characters can be passed to PDF417 ASP component by using the tilde character, "~**dNNN**" represents the ASCII character encoded by the 3 digits NNN, for example, "~d010" represents the character LF (line feed).

3.1.8 Height Property

Sets the height, in pixels, of the image which contains the PDF417 barcode.

Property Data Type

short

Remarks

First call GetActualSize() method to obtain the actual size of the PDF417 barcode, then use this property and Width property to set image size by adding surrounding white space around the PDF417 barcode.

See Also

GetActualSize() Method

3.1.9 Mode Property

Sets the encoding mode of the PDF417 barcode.

Property Data Type

short

Remarks

This parameter can be one of the following values:

- 0: Binary mode to encode the characters with the ASCII value between 0 and 255.
- 1: Text mode to encode the printable characters with the ASCII value between 32 and 126, TAB character (ASCII value 9), LF character (ASCII value 10) and CR character (ASCII value 13).
- 2: Auto mode to achieve maximum encoding capacity.

3.1.10 NarrowBarWidth Property

Sets the width, in centimeters, of the narrow bar element .

Property Data Type

float

Remarks

The default value is 0.07, internally our PDF417 ASP component converts narrow bar width from centimeters to pixels based on the device resolution, round up or round down float pixel value to the nearest integer.

The centimeter to pixel conversion formula is :

$$size_in_pixels = size_in_centimeters * device_resolution / 2.54$$

For example, if you render the PDF417 barcode onto the computer screen and the screen resolution is 96dpi.

(1) Set NarrowBarWidth property to 0.04, $size_in_pixels = 0.04 * 96 / 2.54 = 1.5118$, round up 1.5118 to 2, so actual narrow bar width is 2 pixels.

(2) Set NarrowBarWidth property to 0.06, $size_in_pixels = 0.06 * 96 / 2.54 = 2.2677$, round down 2.2677 to 2, so actual narrow bar width is 2 pixels.

(3) Set NarrowBarWidth property to 0.07, $size_in_pixels = 0.07 * 96 / 2.54 = 2.6456$, round up 2.6456 to 3, so actual narrow bar width is 3 pixels.

Different NarrowBarWidth property values might end up with same narrow bar width in pixels due to performing rounding operations.

3.1.11 Orientation Property

Sets the orientation of the PDF417 barcode.

Property Data Type

short

Remarks

The default value is 0, this property can be one of the following values:

Value	Description
0	0 degree
1	90 degrees
2	180 degrees
3	270 degrees

3.1.12 PNGImage Property

Gets PNG format image data stream of the PDF417 barcode.

Property Data Type

VARIANT

Remarks

Use ASP Response.BinaryWrite() method and this property to display a PDF417 barcode image on a web page.

3.1.13 Rows Property

Sets the preferred number of the rows for the PDF417 barcode.

Property Data Type

short

Remarks

Typically this property value should be between 3 and 90.

3.1.14 TruncateSymbol Property

Sets a boolean flag indicating whether the right side of the PDF417 barcode should be removed or not.

Property Data Type

VARIANT_BOOL

Remarks

The default value is FALSE.

3.1.15 Width Property

Sets the width, in pixels, of the image which contains the PDF417 barcode.

Property Data Type

short

Remarks

First call `GetActualSize()` method to obtain the actual size of the PDF417 barcode, then use this property and `Height` property to set image size by adding surrounding white space around the PDF417 barcode.

See Also

`GetActualSize()` Method

3.1.16 Y2XRatio Property

Sets the ratio of the height of the row to the width of the narrow element.

Property Data Type

float

Remarks

The default value is 3.0, typically this property value is between 3 and 6.

3.2 Methods**3.2.1 GetActualSize Method**

Gets the actual size of the PDF417 barcode which is rendered onto computer screen.

```
void GetActualSize(VARIANT *ActualWidth, VARIANT *ActualHeight);
```

Parameters

ActualWidth

A pointer to the variable that receives the width of the PDF417 barcode (in pixels).

ActualHeight

A pointer to the variable that receives the height of the PDF417 barcode (in pixels).

4 License**License agreement**

This License Agreement ("LA") is the legal agreement between you and MW6 Technologies, Inc. ("MW6") for the font, and any electronic documentation ("Package"). By using, copying or installing the Package, you agree to be bound by the terms of this LA. If you don't agree to the terms in this LA, immediately remove unused Package.

1. License

* The Single Server License allows the use of the software (up to 10,000 users) on ONE server with ONE CPU in your organization.

* The 2 Server License allows the use of the software (up to 10,000 users) on 2 servers (each server has only 1 CPU) in your organization.

* The 3 Server License allows the use of the software (up to 10,000 users) on 3 servers (each server has only 1 CPU) in your organization.

* The 4 Server License allows the use of the software (up to 10,000 users) on 4 servers (each server has only 1 CPU) in your organization.

* The 5 Server License allows the use of the software (up to 10,000 users) on 5 servers (each server has only 1 CPU) in your organization.

* The Unlimited Developer License allows the use of the software (unlimited number of users) on unlimited number of servers (each server has unlimited number of CPUs) in your organization.

2. User Disclaimer

The software is provided "as is" without warrant of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or noninfringement. MW6 assumes no liability for damages, direct or consequential, which may result from the use of the software. Further, MW6 assumes no liability for losses caused by misuse or abuse of the software. This responsibility rests solely with the end user.

3. Copyright

The software and any electronic documentation are the proprietary products of MW6 and are protected by copyright and other intellectual property laws.
