

| Barcode properties | HTTP Parameters | Default | Comments |
|--------------------|-----------------|--------------------|---|
| CodeText | code-text | "" | <p>QR Code has a very large amounts of data capacity. The encodable character set includes</p> <ul style="list-style-type: none"> • numeric data, digits from 0 to 9 • alphanumeric data, digits 0 - 9, all upper case letters, and special characters (space, \$ % * + - . / :) • byte data • Kanji characters |
| GraphicsUnit | graphics-unit | GraphicsUnit.Pixel | <p>The unit of measurement for all size related settings.</p> <ul style="list-style-type: none"> • 0: pixel • 1: cm • 2: inch <p>The default value is pixel.</p> |
| X | x | 1 | <p>The narrow bar module width of QR Code and the default value of X is 1 pixels.</p> <p>This value of X dimension may need to be increased to enhance the readability of the barcode if the barcode scanners could not read the barcode with small X dimension.</p> |
| LeftMargin | left-margin | 0 | The property to set the distance between the symbol and the left margin of a barcode image. |
| RightMargin | right-margin | 0 | The property to set the distance between the symbol and the right margin of a barcode image. |
| TopMargin | top- | 0 | The property to customize the space |

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| | margin | | between the symbol and the top margin on a barcode image |
| BottomMargin | bottom-margin | 0 | The property to change the space between the symbol and the bottom margin on a barcode image |
| Resolution | resolution | 72 | This property set the resolution in DPI of a barcode image to be drawn, and the default value that is set to printer is 72 pixels. You can adjust the value to get a custom resolution barcode image. |
| Rotate | rotate | 0 | <p>The Rotate property allows you changing the angle of a barcode. The valid values are:</p> <ul style="list-style-type: none"> • Rotate0: do not rotate the barcode • Rotate90: rotate the barcode 90 degrees clockwise • Rotate180: rotate the barcode 180 degrees clockwise • Rotate270: rotate the barcode 270 degrees clockwise |
| Format | format | ImageFormat.Png | <p>This is a method that is used for exporting barcode to different type of image formats. It allows developers generate barcode in formats like:</p> <ul style="list-style-type: none"> • JPEG/JPG • BMP • GIF • PNG <p>The default method is ImageFormat.Png. Image format type. Using</p> |

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| | | | System.Drawing.Imaging.ImageFormat |
| ProcessTilde | process-tilde | false | <p>Set the processTilde property to true, if you want use the tilde character "~" to specify special characters in the input data. Default is false.</p> <p>~NNN: is used to represent the ASCII character with the value of NNN. NNN is from 000 - 255.</p> |
| DataMode | data-mode | QRCodeDataMode.Auto | <ul style="list-style-type: none"> • QRCodeDataMode.Auto: It allows encoding all 256 possible 8-bit byte values. This includes all ASCII characters value from 0 to 127 inclusive and provides for international character set support • QRCodeDataMode.AlphaNumeric: It allows encoding alphanumeric data (digits 0 - 9; upper case letters A -Z; nine other characters: space, \$ % * + - . / :). • QRCodeDataMode.Byte: It allows encoding byte data (default: ISO/IEC 8859-1). • QRCodeDataMode.Numeric: It allows encoding numeric data (digits 0 - 9). • QRCodeDataMode.Kanji: It allows encoding Kanji characters. |
| ECL | ecl | QRCodeECL.L | The Error Correction Level of QR Code symbol. QR Code uses the Reed-Solomon error correction with four |

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| | | | <p>levels of error correction (referred to as L, M, Q, and H) allowing recovery of</p> <ul style="list-style-type: none"> • Level L, 7% • Level M, 15%, • Level Q, 25%, • Level H, 30% <p>of the symbol code words.</p> |
| ECI | eci | 3 | The Extended Channel Interpretations of QR Code. ECI is a protocol used to interpret the default character set to different output data stream. |
| FNC1 | fnc1 | 0 (none) | FNC1 mode is used to specify data formats. When the FNC1 is in the first position, it assigns the data formatted on the basis of GS1 General Specifications. When it is in the second position, it assigns the data formatted on the basis of a specific industry application. |
| ApplicationIndicator | application-indicator | 0 | The Application Identifier. It is used to identify the data type in a symbol and is primarily used in GS1 symbologies. |
| StructuredAppend | structured-append | false | If true, then Structured Append is enabled and allows the encoding of the data being splitted from a message over a number of QR Code symbols. |
| SymbolCount | symbol-count | 1 | Set the number of total symbols which make the sequence. |
| SymbolIndex | symbol-index | 1 | Set the position of current symbol in the sequence (Start with 0). |
| Parity | parity | 0 | The Parity Data |
| Version | version | 1 | There are forty versions, from V1 to V40, of QR Code which is in |

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| | | | <p>accordance with forty sizes of the symbol.</p> <ul style="list-style-type: none"> • Version 1: 21 modules x 21 modules • Version 2: 25 modules x 25 modules • Version 3: 29 modules x 29 modules • ... • ... • Version 40: 177 modules x 177 modules <p>The version of higher number in sequence has larger data capacity than that of lower number.</p> |