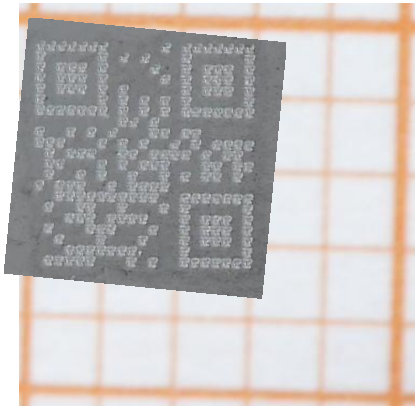
QR-code Größen

Laser-Markieren

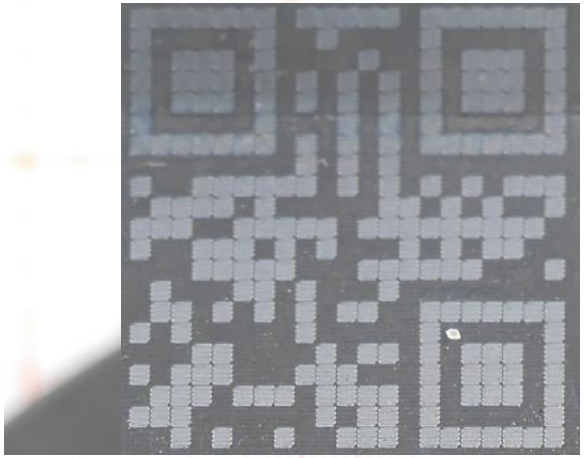
http://www.activebarcode.de/codes/

21x21pixel
3*3 mm **NoGo**
Für Scanner unlesbar
Bsp. **x20G**



21x21pixel
Ab 4*4 mm
Für Scanner lesbar
➔ **Min 4,5 *4,5 mm**
als Kleinstes vorsehen

21x21pixel
16*16 mm okGo
Für Scanner top-lesbar
Bsp. **x40G**



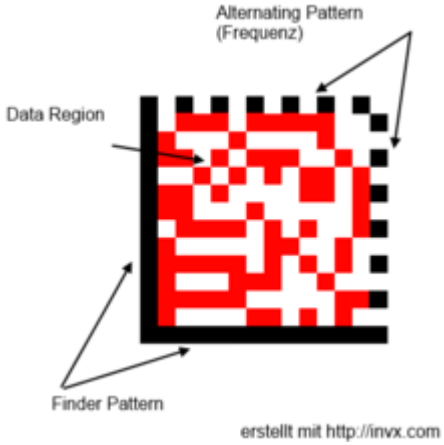
Abrieb-Festigkeit:

- Einbrenntiefe bei gutem Kontrast erhöhen
- mehrfach schreiben mit heutiger Leistungsdichte

- Reicht 14*14 Matrix nicht aus ? Muss es 21*21 sein

DataMatrix-Code OR QR-Code

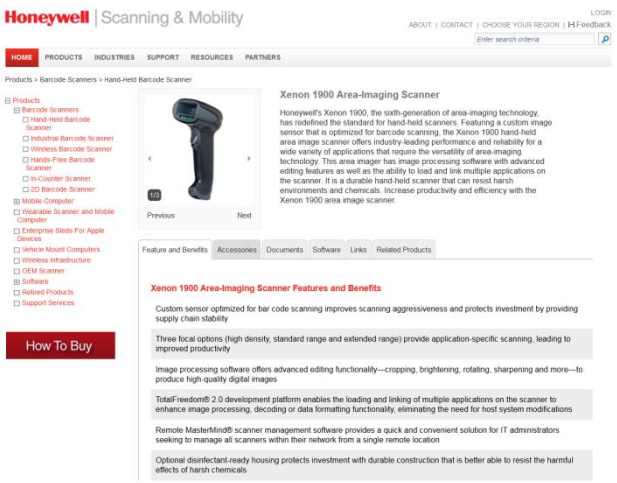
Quick Response Code



- I-phone App QR-code-scanner
- LaserJob-Scanner der ab 4*4 mm liest er korrekt

Scanner IT 1900g SR-2 - Mobiler 2D-Codel 1 Stk 598,00 598,00

Lesedistanz: 10 ... 58
Auflösung Kamera ver
RS 232 Anschluss: RJ4
Fallhöhe: 1,8 m Schut
Unsere Artikelnummer



- 21*21

QR Code Model 1and Model 2	Micro QR Code	iQR Code	SQRC	LogoQ

as a
ng function.
store
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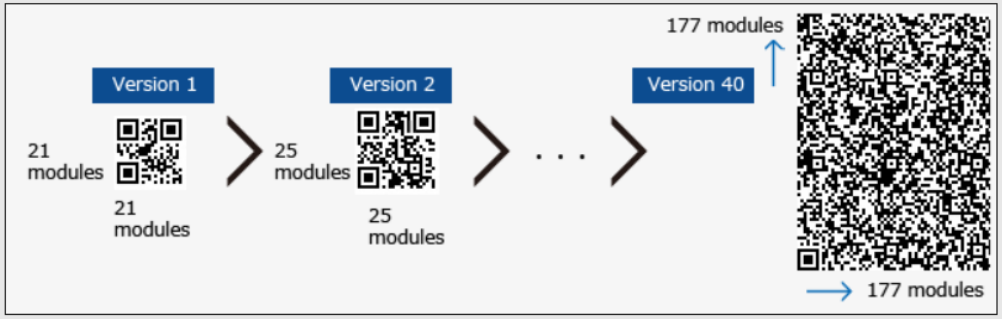
tion)
s no
e regular

[Feature]
QR Code that can incorporate high-levels of design features such as illustrations, letters and logos.
Since proprietary logic is used in generating this type of code, its readability is not compromised.

The symbol versions of QR Code range from Version 1 to Version 40. Each version has a different module configuration or number of modules. (The module refers to the black and white dots that make up QR Code.) "Module configuration" refers to the number of modules contained in a symbol, commencing with Version 1 (21 × 21 modules) up to Version 40 (177 × 177 modules). Each higher version number comprises 4 additional modules per side.



Each QR Code symbol version has the maximum data capacity according to the amount of data, character type and error correction level. In other words, as the amount of data increases, more modules are required to comprise QR Code, resulting in larger QR Code symbols.

Error Correction Feature

The QR Code error correction feature is implemented by adding a Reed-Solomon Code*to the original data.
The error correction capability depends on the amount of data to be corrected. For example, if there are 100 codewords of QR Code to be encoded,50 of which need to be corrected, 100 codewords of Reed-Solomon Code are required, as Reed-Solomon Code requires twice the amount of codewords to be corrected. In this case, the total codewords are 200, 50 of which can be corrected. Thus, the error correction rate for the total codewords is 25%. This corresponds to QR Code error correction Level Q.

In the example above, the error correction rate for QR Code codewords can be considered as 50%. However, it is not always the case that codewords of not Reed-Solomon Code but only QR Code are susceptible to dirt and damage.QR Code therefore represents its error correction rate as a ratio of the total codewords.

*Reed-Solomon Code is a mathematical error correction method used for music CDs etc. The technology was originally developed as a measure against communication noise for artificial satellites and planetary probes. It is capable of making a correction at the byte level, and is suitable for concentrated burst errors.

21*21

How to determine the version of QR code to be used

Suppose the data to be input consists of 100-digit numerals. This can be achieved by following the steps described below:

1. Choose "numeral" as the type of input data.
2. Choose a data correction level from the alternatives of L, M, Q and H. (M is assumed here.)
3. Find a figure in the table, 100 or over and the closest to 100 that is at the intersection with a correction level M row. The number of the version row that contains this figure is the most appropriate version number.

Version	Modules	ECC Level	Data bits (mixed)	Numeric	Alphanu-meric	Binary	Kanji
1	21×21	L	152	41	25	17	10
		M	128	34	20	14	8
		Q	104	27	16	11	7
		H	72	17	10	7	4
2	25×25	L	272	77	47	32	20
		M	224	63	38	26	16
		Q	176	48	29	20	12
		H	128	34	20	14	8
3	29×29	L	440	127	77	53	32
		M	352	101	61	42	26
		Q	272	77	47	32	20
		H	208	58	35	24	15

In this example, Version 3 QR Code (29 x 29 modules) is the most appropriate version. Related page: Error correction feature

Zeitschriften anzeigen:
QR-code Typ-use: 22*22pix 14,3 mm Kante 0,65PixKante; 24*24pix 15 mm Kante 0,625PixKante

DataMatrix-Code <Symbolgröße> (Typen #44 bis #73)

Sie wählen den Symbolgröße selbst über den Typ aus, z.B. wählen Sie den Typ "DataMatrix 14x14" für die Symbolgröße 14x14.

Folgende Optionen (Typen) bietet ActiveBarcode an:

value long	Code	Name
44	DataMatrix 10x10	CODEDATAMATRIX10X10
45	DataMatrix 12x12	CODEDATAMATRIX12X12
118	QR Code 21x21	CODEQRCODE21X21
47	DataMatrix 14x14	CODEDATAMATRIX14X14