Overview

Only QR code model 2 can be handled. (ISO/IEC 18004, JIX X0510)

It does not support QR code model 1 and micro QR.

Versions can be handled from 1 to 40 (all versions).

It does not correspond Structured Append Mode.
It does not correspond to ECI and FCI.

It does not correspond in particular to design QR etc.

It does not support the format of the mobile phone at all.

Barcodes are not compatible at all.

Handling mode

    Creation ... 8-bit byte mode only.

    Read   ... Supports all modes of QR Code Model 2 except Structured Append Mode

        Numeric Mode

        Alphanumeric Mode

        8-bit Byte Mode

        Kanji Mode

        Mixing Mode

Maximum size that can be handled

Creation side (coding side)

Error correction level	
L (7%)	2,956 bytes (23,648 bits)
M (15%)	2,334 bytes (18,672 bits)
Q (25%)	1,666 bytes (13,328 bits)
H (30%)	1,276 bytes (10,208 bits)

This is the maximum length that can be handled in QR code model 2 version number 40, 8-bit Byte Mode.

This value is taken as the maximum size of handling.

(Thus, the maximum size varies with the error correction level.)

The reading side (decoding side) can read up to the maximum size of all modes of QR Code Model 2.

Structured Append Mode is not handled.

About the target image for decoding (reading) QR code

png file

32-bit RGBA format
24-bit RGB format

Only png files in this format are targeted for decoding (reading) of the QR code.

It is not possible to decoding the QR code stored in jpeg file, gif file etc.

Image that can not be read (image that can not be decoded)

Image rotated as seen from diagonally above (below)

Distorted image

Such things can not be read (QR code can not be decoded).

The rotating image seen from the front (directly above) may be read.

Slow loading time

QR Ware does not reduce the image when decoding the QR code.

QR Ware will start decoding the QR code with the size as it is.

Therefore, it takes quite some time to decode a QR code of a certain size or more.

This is done intentionally so that you can even extract data from "an image like a broken QR code image manually repaired."

Difference with general QR code reader

QR Ware is not created at all like a general QR code reader.

What a general QR code reader does is deliberately not doing anything at all.

Put the decoding result in a place such as "History".

When it is decoded, if it is a URI or a URL, start the browser and jump there.

If it is an email address, start the mailer.

This kind of thing is not done at all.

(data (information)) What you do not want to be seen by others is converted to QR code, and data (information) is held in the QR code format.

QR Ware is intended to perform such thing.

What a general QR code reader handles is, in principle, intended for publication. The purpose of use and the contents of what is stored in the QR code are completely different.

QR Ware assumes "What handled are confidential." uniformly and unconditionally.

It do not handle anything that may cause leaks at all.

(Although it are displaying advertisements.)

Because of this, QR Ware is not created like a general QR code reader.

There is no way to use QR Ware as a general QR code reader.

QR Ware is iOS software ported from the part that was responsible for QR code input/output of cipher software for Windows originally.

QR Ware itself does not have any encryption function.

However, the actual substance of the program code is something like (part of) cipher software.

The usage in the original software was supposed to store cipher text and cipher key in the QR code.

Therefore, QR Ware acts like "what to handle is a confidential (secret target)".

For this reason, it do not do anything that a general QR code reader does.

Because if doing what a general QR code reader does, it is likely to cause data leaks.

I think that a general QR code reader and QR Ware are different genres and different categories of software.

I think that it is impossible to use QR Ware like a general QR code reader.