[Released on the Web]

Solution Tool Kit

QE: Development Assistance Tool for Applications

QE for Display[RX]: Development Assistance Tool for Display

Technical Preview V1.0.0

Outline

We are releasing a technical preview of the QE for Display[RX] V1.0.0 solution tool kit on the Web.

The product is supplied free of charge.

1. Features

QE for Display[RX] is one of several solution tool kits which operate under the e^2 studio integrated development environment.

This product allows for easy adjustment of parameters related to display connection for development of embedded systems, by using the image display function of the Graphic LCD Controller (a display controller mounted on the RX family of MCUs). This shortens the development period and lowers costs.

Product page on the Web: https://www.renesas.com/qe-display-rx
This information will be updated on March 20.

2. Functions

QE for Display[RX] allows for easy adjustment of the optimum parameters corresponding to the display panel connected to the development system, by using the "timing adjustment" and "image quality adjustment" functions. Adjusted parameters can be output to the header file and can also be easily applied to the program.

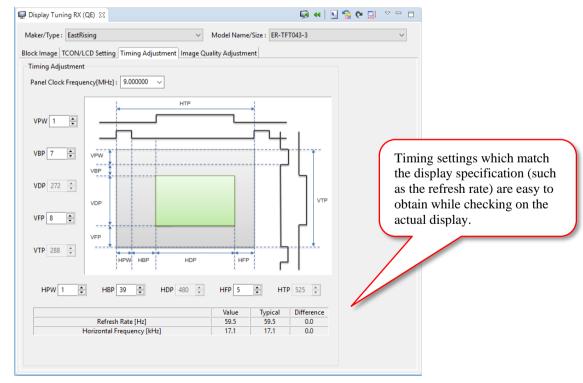➢ "Timing adjustment" function

Figure 1. Timing adjustment screen

➢ "Image quality adjustment" function

This function allows for easy adjustment of brightness, contrast, gamma correction, and dither processing.
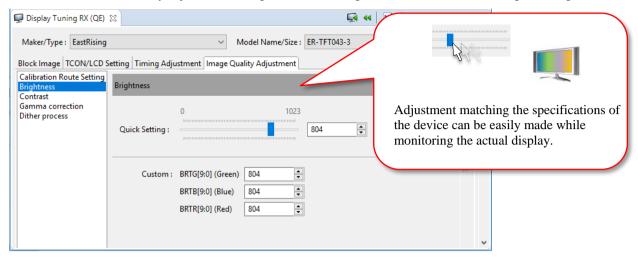

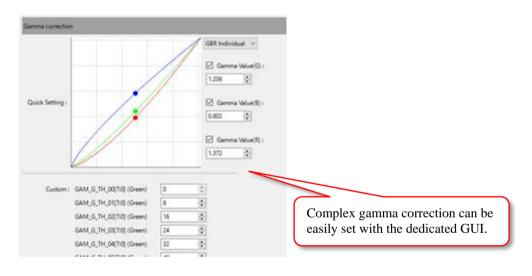Figure 2: Image quality adjustment screen (brightness)

Figure 3: Gamma correction adjustment screen

3. Supported MCUs

RX65N and RX651 groups (ROM capacity: 1.5 MB to 2 MB)

4. Operating Environment

● e^2 studio integrated development environment V6.0.0 and later versions

5. Supporting Sample Program

➢ RX Family QE for Display[RX] Sample Program (document number: R20AN0487EJ0100)

https://www.renesas.com/search/keyword-search.html#genre=sampleprogram&q=r20an0487

6. Obtaining the Product

Obtain the product from the URL below. This product will be available from March 20.

https://www.renesas.com/qe-display-rx#downloads

QE for Display V1.0.0 [technical preview version]

7. Remarks

We also provide QE for Video Display Controller 5 V2.0.0, a development assistance tool for display that supports the RZ/A1 series.

For details, refer to the URL below.

https://www.renesas.com/qe-vdc5

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Mar. 16, 2018	-	First edition issued

TOYOSU FORESIA, 3-2-24 Toyosu, Koto-ku, Tokyo 135-0061 Japan

Renesas Electronics Corporation

■Inquiry

https://www.renesas.com/contact/

All trademarks and registered trademarks are the property of their respective owners.