

QE for Video Display Controller 5 V2.0.0 [technical preview version]

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Release Note

This time, thank you very much for your using the QE for Video Display Controller 5 V2.0.0 [technical preview version].

This release documentation, we have indicated this product installation and the questionnaire.

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1. About QE for Video Display Controller 5

1.1 Summary

This product is a dedicated solution tool for Video Display Controller 5 (VDC5). The tool has been developed to shorten times for developing embedded systems with image display by the VDC5 incorporated in RZ Families. This is an extension plug-in for the e² studio integrated development environment. Install it in the e² studio to use it.

1.2 Items to be Newly Supported (V2.0.0)

- Image quality adjustment function

Support for the image quality adjustment function of VDC5 has been added. QE for VDC5 allows brightness, contrast, rotation/mirror image, sharpness, gamma correction, and dither processing to be easily adjusted and contributes to shortening the development period in early development. For screen examples of each function, refer to the following figure.

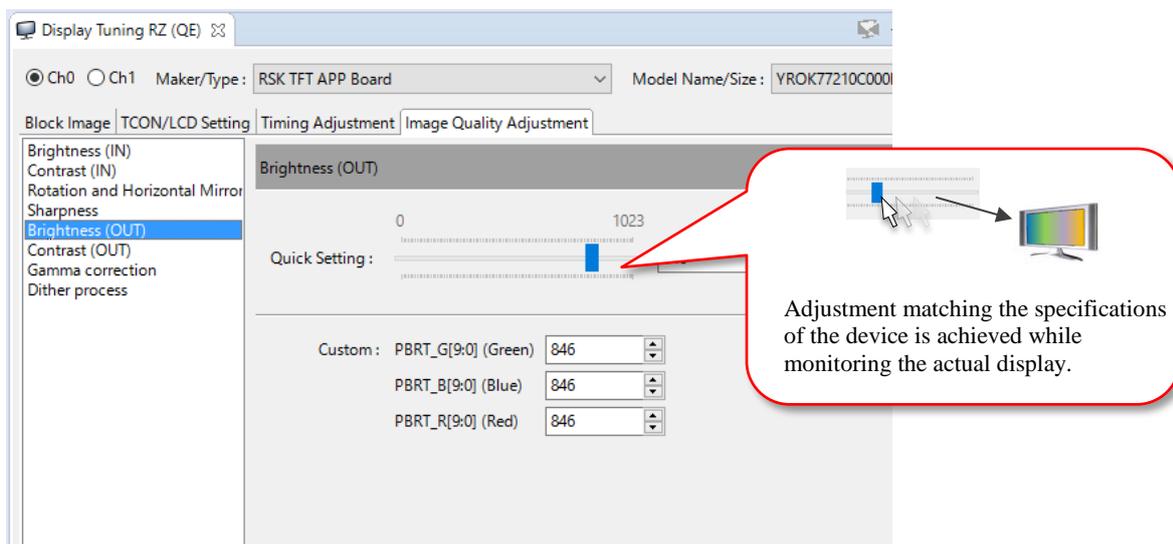


Figure 1: Image quality adjustment screen (brightness (OUT))

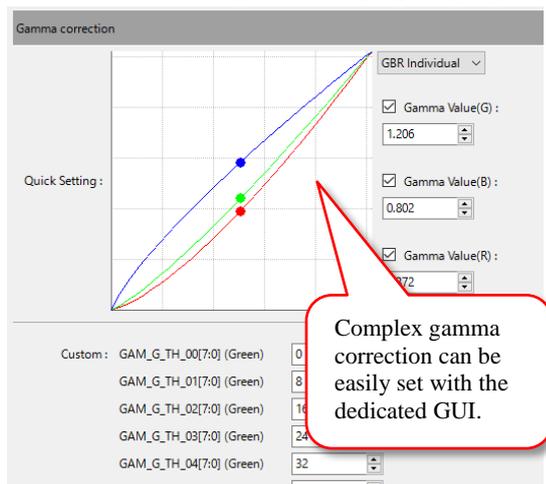


Figure 2: Gamma correction adjustment screen

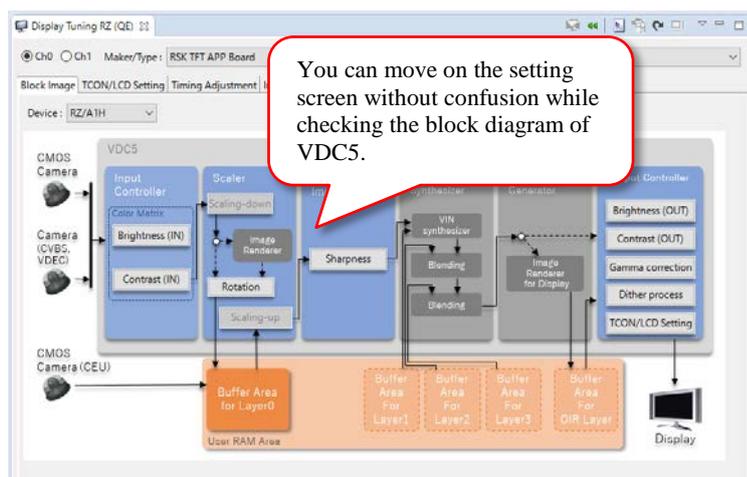


Figure 3: Block diagram display screen

1.3 Supported Environment

Microsoft Windows 7, Windows 8.1, Windows 10

Renesas e² studio V5.0.0 (or later)

* If you are using a version earlier than e2 studio V 5.0.0, please update to V 5.0.0 or later.

1.4 Supported Microcontroller

RZ Family:

— RZ/A1 series (RZ/A1H, RZ/A1L, RZ/A1LU, RZ/A1M, RZ/A1LC)

1.5 Supporting Sample Project

— RZ/A1H group, RZ/A1LU group, and RZ/A1 Framework

<https://www.renesas.com/products/microcontrollers-microprocessors/rz/rza/rza1h.html>

2. Installation and Uninstallation

2.1 Installing This Product

Use the following procedure to install this product.

1. Start e² studio V5.0.0 (or later).
2. From the [Help] menu, select [Install New Software...] to open the [Install] dialog box.
3. Click the [Add...] button to open the [Add Repository] dialog box.
4. Click the [Archive] button, select the zip file for installation in the opened dialog box, and click the [Open] button.
5. Click the [OK] button in the [Add Repository] dialog box.
6. Select the [Renesas QE for Video Display Controller 5] check box displayed in the [Install] dialog box and click the [Next] button.
7. Check that [Renesas QE for Video Display Controller 5] is selected as the target of installation, and click the [Next] button.
8. After confirming the license agreements, select the [I accept the terms of the license agreements] radio button, and click the [Finish] button.
9. If the dialog of the trust certificate is displayed, check that certificate, and click the [OK] button to continue installation.
10. When prompted to restart e² studio, restart it.

2.2 Uninstalling This Product

Use the following procedure to uninstall this product.

1. Start e² studio.
2. Select [Help -> Installation Details] to open the [e2 studio Installation Details] dialog box.
3. Select [Renesas QE for Video Display Controller 5] displayed on the [Installed Software] tabbed page and click the [Uninstall...] button to open the [Uninstall] dialog box.
4. Check the displayed information and click the [Finish] button.
5. When prompted to restart e² studio, restart it.

3. About the Questionnaire of Technical Preview Version

3.1 Positioning of this product

QE for Video Display Controller 5 is a technical preview version. We aim to become a better product by the customer feedback.

3.2 Request for the Questionnaire after Using This Product

In order to become a better product, please send us your comments and requests to this product.

Contact E-mail Address:

qe_feedback@lm.renesas.com

[Questionnaire Content] (Within the range that can answer.)

- Name
- Company name, department name
- Purpose
- We are planning to develop the full version with enhanced features.
Did you think that you want to use the full version? [Yes / No]
- Comments and Requests
- Do you want to support applications in the QE series? (Except for the USB, BLE and Display)
[For example: Wi-SUN/Sub-GHz, I2C, PLC, and so on...]

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<http://www.renesas.com/>

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