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Rev.1.00

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QE for Display[RX,RA]V3.0.0:

Development Assistance Tool for Display Applications

## Outline

QE for Display[RX] V2.1.0 has been updated to QE for Display[RX,RA]V3.0.0.

## 1. Product to Be Updated

QE for Display[RX] V2.1.0

## 2. Description

QE for Display[RX,RA] V3.0.0 supports both RX and RA family devices.

Addition of supported devices: RA6M3 group

Refer to the Release Note in the link below for the details of the update and how to install the product.

<https://www.renesas.com/us/en/document/rln/qe-displayrxra-v300-release-note>

## 2.1 Features

The following features are available for RA6M3 group.

- (1) LCD panel adjustment
- (2) GUI development support with emWin

<https://www.renesas.com/products/microcontrollers-microprocessors/ra-cortex-m-mcus/ra-partners/segger-emwin>

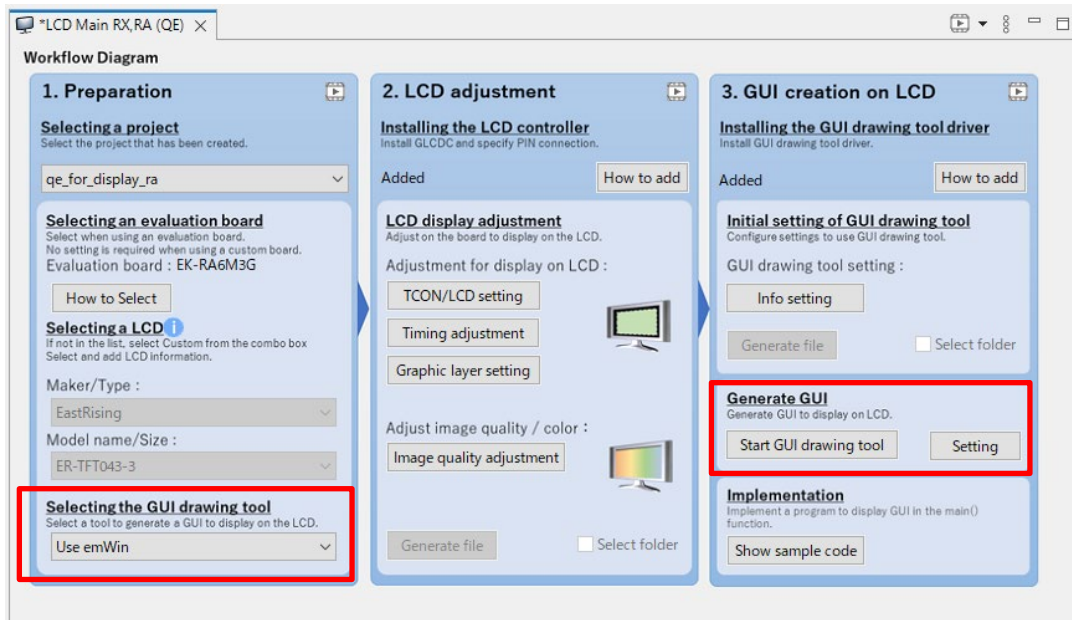
### 2.1.1 LCD Panel Adjustment

- The timing and image quality of LCD panels can be adjusted with the tool.
- The FSP Visualization shows the results of adjustments on the FSP.

The screenshot shows the QE for Display tool interface. On the left, the 'Stacks Configuration' window displays a hierarchical tree of components including HAL/Common, g\_ioport I/O Port, SEGGER emWin, SEGGER emWin RA Port, g\_display0 Graphics LCD, D/AVE 2D Port Interface, g\_image JPEG Codec, and D/AVE 2D. Below this is the 'Properties' window for 'g\_display0 Graphics LCD (r\_glcd)', showing settings like 'Common', 'Parameter Checking', 'Color Correction', 'Module', 'General', 'Interrupts', 'Input', and 'Output'. On the right, the 'FSP Visualization' window displays a timing diagram for the LCD panel. The diagram shows various timing parameters such as VPP, VBP, VDP, VFP, VTP, HPP, HBP, HDP, HFP, and HTP. A blue arrow points from the FSP Visualization window to the text 'Results of adjustments are displayed.'

## 2.1.2 GUI Development Support with emWin

- The tool is linked to the emWin and supports RA6M3 group.
- Developers can easily create GUI by following the workflow.



## Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Feb.01.22	-	First edition issued

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