R20TS0561EJ0100

Rev.1.00

Apr. 16, 2020

[Upgrade to revision]

QE for Display[RX]V1.1.0, QE for Display[RZ]V3.1.1:

Development Assistance Tool for Display,

QE for Camera[RZ]V1.1.1: Development Assistance Tool for Camera

## Outline

The products in the title have been updated as follows.

- (1) QE for Display[RX]: Development Assistance Tool for Display: V1.0.0 to V1.1.0
- (2) QE for Display[RZ]: Development Assistance Tool for Display: V3.1.0 to V3.1.1
- (3) QE for Camera[RZ]: Development Assistance Tool for Camera: V1.1.0 to V1.1.1

## 1. Products and Versions to Be Updated

- > QE for Display[RX]: Development Assistance Tool for Display V1.0.0
- > QE for Display[RZ]: Development Assistance Tool for Display V3.1.0 and earlier versions
- > QE for Camera[RZ]: Development Assistance Tool for Camera: V1.1.0 and earlier versions

# 2. Description of the Update

The main features of the update are described in the following sections. Refer to the following release note for more details.

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

QE for Display[RX] V1.1.0 Release Note

https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut4685

QE for Camera[RZ]: Development Assistance Tool for Camera, QE for Display[RZ]: Development Assistance Tool for Display

QE for Camera[RZ] V1.1.1, QE for Display[RZ] V3.1.1 Release Note

https://www.renesas.com/search/keyword-search.html#genre=document&q=r20ut4799

## 2.1 End of Support for Windows 7

QE for Display[RX], QE for Display[RZ], and QE for Camera[RZ] no longer support Windows 7 as support of Windows 7 by Microsoft ended.

For operating environments, refer to the URL below.

https://www.renesas.com/system-requirements

## 2.2 Addition of Supported Devices

Devices supported by QE for Display[RX]: Development Assistance Tool for Display, have been added for the following groups:

- RX66N, RX72M, and RX72N groups

### 2.3 Feature Improvements

#### Enhancement of Display Types

QE for Display[RX] now supports display types 1 and 2. You can now select a display type suitable for the specifications of your LCD panel for adjustment.

\* Display types 1 and 2 are QE-specific names which represent the control signals used for the LCD panel display. Select a type appropriate for the LCD panel in use.

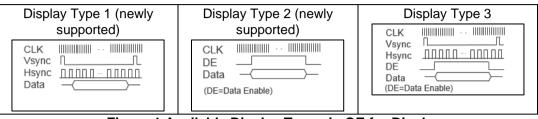


Figure 1 Available Display Types in QE for Display

> Improvement of the [Edit Custom Display Data] Dialog Box

The required LCD panel parameter items are now highlighted in the [Edit Custom Display Data] dialog box for better visibility.

e <sup>2</sup> Edit Custom Disp	olay Data			×
Maker/Type :				~
Model Name/Size :				
<ul> <li>Display Type 1</li> <li>Display Type 2</li> <li>Display Type 3</li> </ul>	CLK         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		Reco	Divert the existing data
Parameter		Min.	Тур.	Max.
Panel Clock Freque	ency (PCF) [MHz]	-		
Panel Clock Period		-	-	
Horizontal Frequen	cy (HF) [KHz]	-	-	
Horizontal Period (HP) [us]		-		
Horizontal Total Period (HTP) [Clock]		-	-	
Horizontal Pulse Width (HPW) [Clock]		-		
Horizontal Display Period (HDP) [Clock]		-		
Horizontal Front Porch (HFP) [Clock]		-		
Horizontal Back Porch (HBP) [Clock]		-		
Vertical Frequency (VF) [Hz]		-	-	
Vertical Period (VP)		-	-	
Vertical Total Period		-	-	
Vertical Pulse Widt		-		
Vertical Display Period (VDP) [Line]		-		
Vertical Front Porch (VFP) [Line]		-		
Vertical Back Porch	i (VBP) [Line]	-		
URL :				
			OK (	Cancel Help

Figure 2 Specification of LCD Panel Parameters in the [Edit Custom Display Data] Dialog Box

### 3. Updating Your Product

Update your program in either of the following methods.

### 3.1 Updating from the e<sup>2</sup> studio Installer

For how to update e<sup>2</sup> studio, refer to "3. Updating Your Product" in RENESAS TOOL NEWS Document number R20TS0558EJ0100. (Scheduled to be released on April 20.)

https://www.renesas.com/search/keyword-search.html#genre=document&g=r20ts0558

In the [Additional Software] pane of the e<sup>2</sup> studio installation wizard, select QE for Display or QE for Camera.

Note: This step is disabled in situations where an internet connection is not available. In that case, perform an update following the instructions in 3.2.

😼 e² studio Setup	_		×	
e <sup>2</sup> studio 7.7.0.R2019121 Select additional software t		57	S	
Welcome	Renesas QE (0) Toolchains & Utilities (2)			
<ul> <li>Install Folder</li> </ul>	Renesas Quick and Effective Tool Solutions (QE)	*	^	
<ul> <li>Device Families</li> <li>Extra Components</li> </ul>	QE for Capacitive Touch[RX] 1.1.0 Assisting in the configuration, tuning, and monitoring of touch interfaces			
<ul> <li>Components</li> <li>Additional Software</li> </ul>	QE for BLE[RX] 1.0.0 Assisting in development work involving Bluetooth® Low Energy			
<ul> <li>Licenses</li> <li>Shortcuts</li> </ul>	QE for Display[RX] 1.1.0 Adjusting timing settings or the image quality of displays (for use with display controllers from Renesas)			
O Summary O Installing	QE for TCP/IP (Technical Preview Edition) 1.0.1			
O Results	< 29.9 MB do	> wnload req	uired	
<u>v201912161630</u>	< Back Next > Install	Cancel		

Figure 3 Updating from the e<sup>2</sup> studio Installer



## 3.2 Using the QE Installer

Download the installer from the URL below and proceed with installation.

QE for Display[RX]: Development Assistance Tool for Display <u>https://www.renesas.com/qe-display#downloads</u>

QE for Display Package V1.3.0

This product is a display solution package which includes the following products:

- RX version: QE for Display[RX] V1.1.0
- · RZ version: QE for Display[RZ] V3.1.1
  - \* QE for Camera[RZ]: Development Assistance Tool for Camera is also installed.
- > QE for Camera: Development Assistance Tool for Camera

https://www.renesas.com/ge-camera#downloads

QE for Camera Package V1.1.1

This product is a camera solution package which includes the following product:

- RZ version: QE for Camera[RZ] V1.1.1
  - \* QE for Display[RZ]: Development Assistance Tool for Display is also installed.

Use the following procedure to install the product.

- (1) Activate e<sup>2</sup> studio.
- (2) Click [Help], and then click the [Install New Software...] menu 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 installation file (zip file) in the opened file selection dialog box, and then click the [Open] button.
- (5) Click the [OK] button in the [Add Repository] dialog box.
- (6) Expand the [Renesas QE] item shown in the [Install] dialog box, select the [Renesas QE for Camera/Display[RZ]] check box, and then click the [Next>] button.
   \* You can check off the [Contact all update sites during install to find required software] check box to shorten the installation time.
- (7) Confirm that the installation target is correct, and then click the [Next>] button.
- (8) After checking the license, select the [I agree to the terms of the license agreements] radio button, and then click the [Finish] button.
- (9) When the dialog box for selecting a trusted certificate appears, check the displayed certificate, and then click the [OK] button to continue installation.
- (10) Restart e<sup>2</sup> studio according to the instructions on the screen.
- (11) Start this product from the [Renesas Views] [Renesas QE] menu of e<sup>2</sup> studio.

For details about how to use this product, refer to the QE items from the [Help] menu of e<sup>2</sup> studio.



## **Revision History**

		Description		
Rev.	Date	Page	Summary	
1.00	Apr.16.20	-	First edition issued	

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