

4 Set up the Position Compensation.

To enable measurement even if the location of the measurement object is not consistent, register a mark that exists on all measurement objects. This function is called position compensation.

Press [Position compensation].



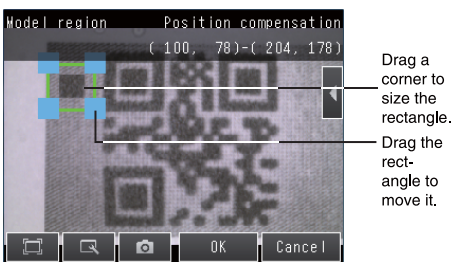
Press [Mode on/off] and then [ON]. Then press [Settings].



Press [Teach].



Place the object that is to be used as the measurement reference in front of the camera. Move the rectangle so that the characteristic part for position compensation is inside it.



Check the area, press the [OK] Button, and then press the [TEACH] Button. The characteristic part and reference position for position compensation will be registered.

Press [OK].

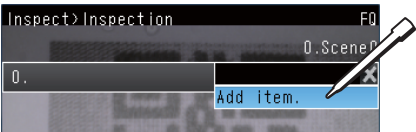
2-2 Measurement Settings

Select an item that is appropriate for the purpose of measurement, and set the measurement settings. The procedure for automatically setting the 2D-code measurement settings is shown here.

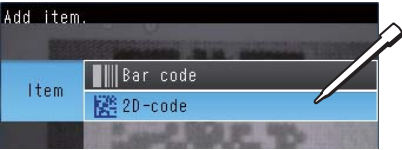
1 Select the inspection items.

Ex.: Reading 2D-codes

Press [Inspect]. Next, touch [Inspection]. Press an unused inspection item number and then press [Add item.] on the menu.



Touch [2D-code].

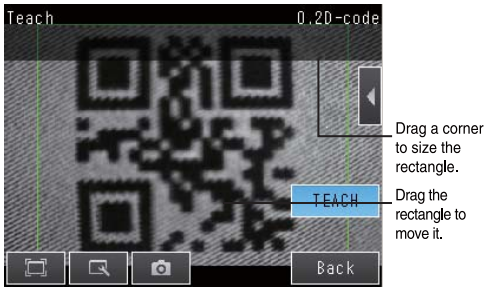


2 Set the 2D-code read conditions.

Press [Teach].

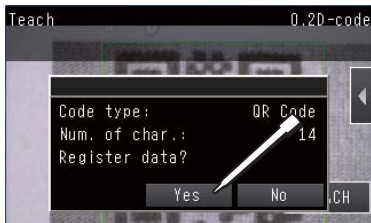


Confirm that the 2D-code is inside the green frame and touch [OK].



Press [Teach].

If reading is successful, the 2D-code type and num. of characters will display.



Touch [Yes].

Press [Back] to end teaching.

The text string read in as master data will display.



Press [Back].

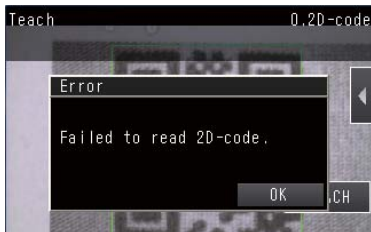
To register additional master data, follow the procedure shown below.

- Touch the master data to be registered.
- Touch [Automatic Registration].
- Touch [TEACH].

To manually register master data, follow the procedure shown below.

- Touch the master data to be registered.
- Touch [Manual Registration].
- Input the text string to be registered.

If reading is unsuccessful, check the condition of the workpiece and the lighting, and then perform the teaching process again.

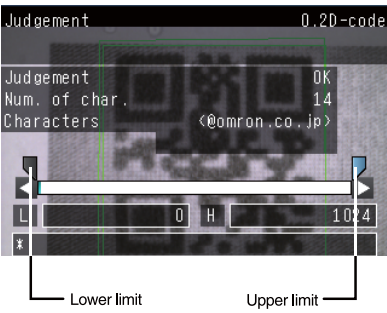


3 Adjust the judgement parameters.

Press [Judgement].



Adjust the judgement parameters for the num. of characters and the text string while inputting images of a number of sample items.



Press [OK].

2-3 I/O Settings

The data that is output to external devices and the input signal assignments can be changed. (Changes are not normally required.) For example, the following can be input or output.

- Judgements for individual inspection items can be output.
- If you want to output characters
- If you want to output data externally

Refer to the *User's Manual* for details.

3. Testing

Tests are made with some samples to see if correct measurements are possible. When Test Mode is entered, images are measured continuously. A trigger input is not required. Measurement results are only displayed. They are not output to an external device.

4. Operation

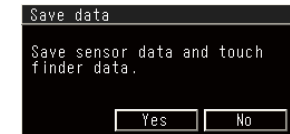
1 Switch to the Run Mode display.

Press [Run]. Then press [Switch to Run mode].



2 Save the settings.

Press [Yes].



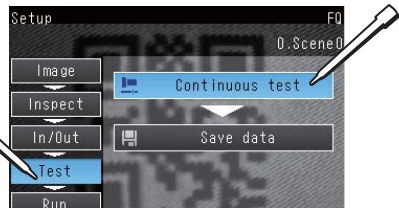
3 Execute measurements.

Measurements will be executed according to the trigger signal input. And the result of measurement will be output to an external device.



1 Perform tests.

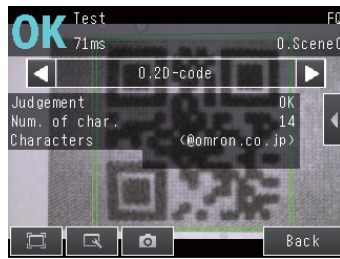
Press [Test]. Then press [Continuous test].



Press [Graphics+Details].

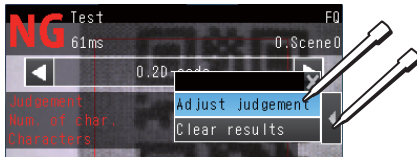


Continuous measurements will be performed. Input images of some samples to see if the judgements are correct.



2 If correct judgements are not made, adjust the judgement parameters.

Press [Adjust judgement].



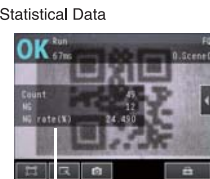
Note

There are six types of displays that can be used, as shown below. Press the [F0] Button and then press [Select display] to display the following selections.

Displaying the Most Recent Measurement Values



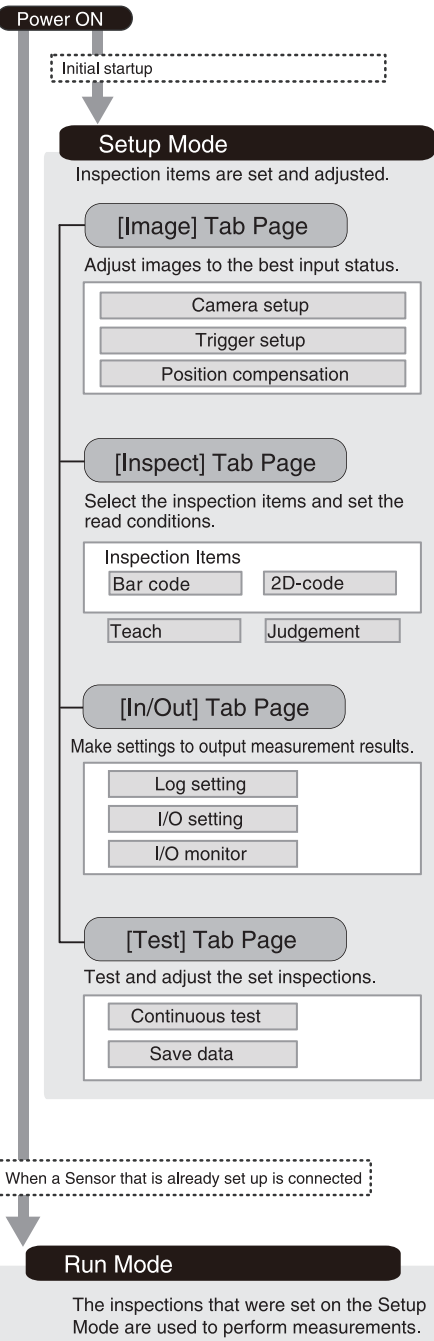
Displaying Measurement Values Over Time



Note

- To return to the Setup Display, press the [F0] Button and then press [Sensor settings].
- To switch to another Sensor, press the [F0] Button and then press [Switch sensor].

Menu Structure



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