Rotating Control Description

category	content
Key words	Instructions for use
Summary	

revise history

version	date	the reason	prepared by	Examine
V1.0	2018/07/02	Create documents	Lin Qingtian	

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1. Scope

Things document is only suitable for serial-type screen products.

2. Development Environment version

1 . VisualTFT Software version: V3.0.0.944 And above versions

   View version:

   1) Open the software chart 2-1 The software version lower right corner of the display.

   2) turn on VisualTFT Click Help -> About VisualTFT You can view the latest version of the current software can

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Map 2-1 Software version

2. Serial screen hardware version: V3.0.287.0 And above versions

   View version:

   1) Check the version number sticker on the back screen.

   2) VisualTFT After the success of the online screen, the version number displayed in the lower right corner.

3. Spin control

1. Spin control Function

Rotate the picture controls are enabled, the picture can be 0 To 360 Any degree of rotation. Under some scenarios can be replaced with other controls, such as control instrument, the instrument will produce a picture then place the controls in the rotational position of the pointer can replace the instrument control, to meet the users DIY demand.

2. Spin control property settings

Property disposed below the spin control 3-1 Fig.

Map 3-1 Properties window

3. Picture Path

Select the desired picture is set to spin control. (The picture material is set to spin control)

4. Adjustment

a) Select "Zoom", will reduce or enlarge the image to scale.

b) Select "Trim", the picture will be displayed according to the size of the original resolution, not scaled.

5. filter

Taking into account the different creative formats used by the user, some format images will appear black or other colors of background on the project screen, so the need for a color filter.

6. Color filter

Make a certain color in the picture is not displayed in the project screen.

7. Enable Controls

a) Select "No", it is a close association between controls and data. No choice is not recommended.

b) Select "Yes", is on the association between control and data.

8. Initialization angle

Pictures placed in the angle of the screen 0 Degrees, i.e. the angle of the image to the initial point of rotation for the dots, clockwise rotation angle.

9. The point of rotation X Offset and rotation point Y Offset

After rotary control is placed on the screen, the default rotation point in the left corner of the picture (X = 0 , Y = 0). We selected the picture rotation point is the point of rotation X And the point of rotation Y Offset value.

10. transparency

0 Control is opaque, 255 For the control fully transparent.

11. Analog Clock

a) Select "Yes", the rotation control to the target clock.

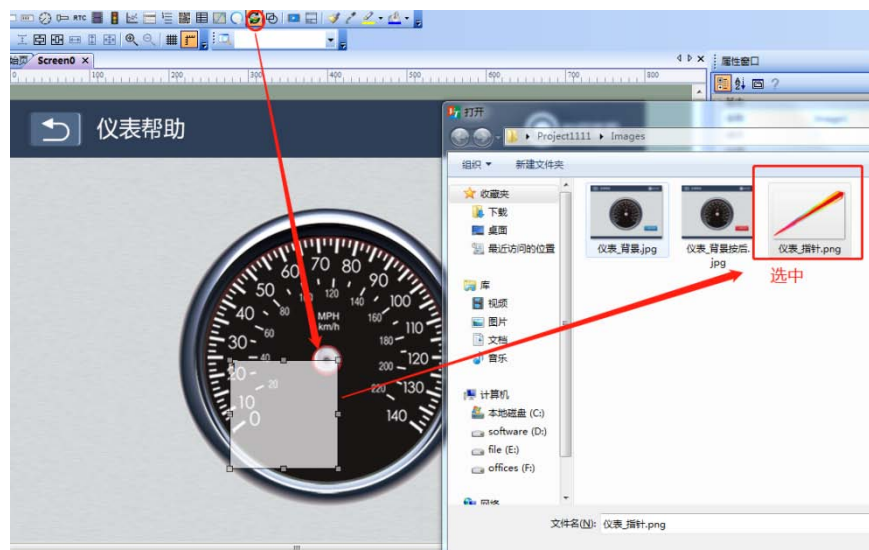b) "No", the control is not set the clock hands.

4. Example Operation

1. The following example is used in the rotation control on the instrument, as a pointer instrument.

2. The material used with the instrument's background, a pointer material picture.

Map 4-1 material

3. Establish a project screen, the chart with the instrument as the background, and place in the rotation control center point as a pointer instrument

   Spin control and configuration properties, as 4-2 Fig.

Map 4-2 Place controls

4. Select the rotation control center point, right click the mouse to select the coordinates of the point selection is set to rotate in the picture rotation control.

   Rotation point may be provided in the properties window as 4-3 Fig.

Map 4-3 Set point of rotation

5. After compiling correct, run virtual serial port screen to see the effect, as 4-4 Fig.

Map 4-4 Virtual Screen

6. Usage instruction assistant, a setting screen ID for 0 , Control ID Place 2 , Rotation angle 106 , Click Send, the effect is as

4-5 Shown

Map 4-5 Instruction assistant

7. Command parsing

This command is used to change the rotation angle of the control. Format: EE [B1 10 Screen_id Control_id Rotation a

ngle】 FF FC FF FF

Parameter Description:

Screen_id (2 Bytes): Screen Number

Control_id (2 Bytes): the angle of rotation number control (2 Bytes): clockwise rotation controls 106

The degree of screen ID for 0 , Control ID for 2 , Rotation angle 106 Instruction is:

EE B1 10 00 00 00 02 00 6A FF FC FF FF