

2556/2796 添加中文菜单 OSD

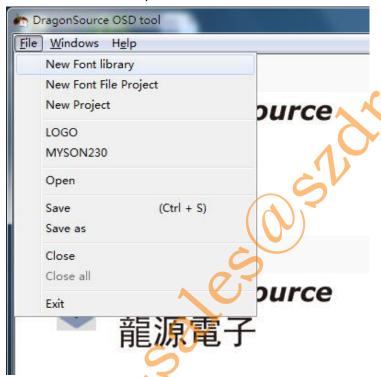
--2556/2796 为例

一. 使用软件工具 OSDEdit. exe 制作字库

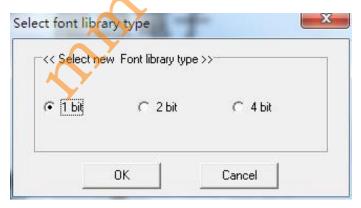
1) 打开软件 OsdEditor.exe



2) file->New Font library



3)选择 1bit

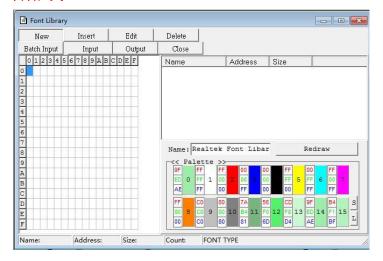


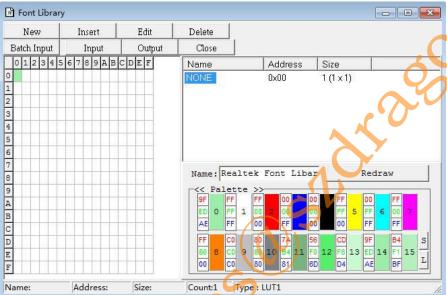
4)选择 New,一般要空一格,即(0,0)不写字,draw 一个空白字,宽 1 高 1 即可实现;从(1,0)



COLL

开始写字。





5) 空了一个小白格后其他取模设置:

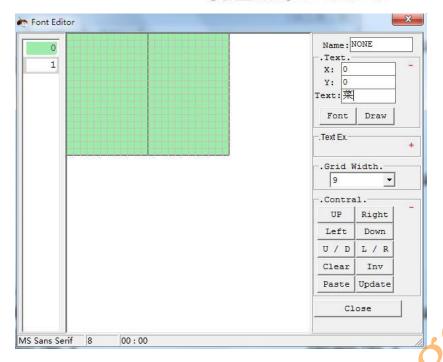
width: 2 hight: 1



6) 字体编辑 Font Editor



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在 Text 处输入要增加的中文文字,如输入"菜"字;

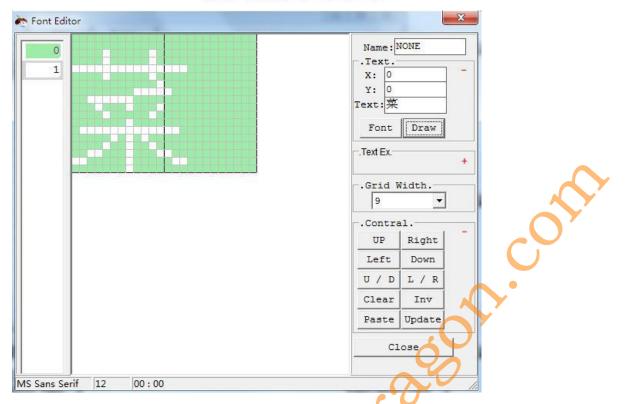
7) 点击 Font 设置中文的字体大小: 字体一般默认,字号大小选择 12 号,点击确定。



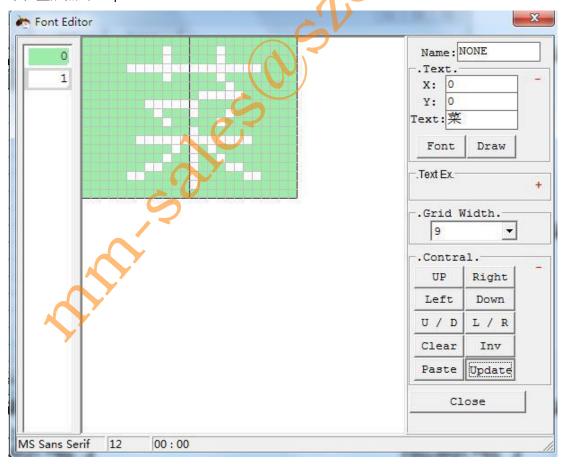
8)点击 draw,即可在左边绿色框看到写入的中文:



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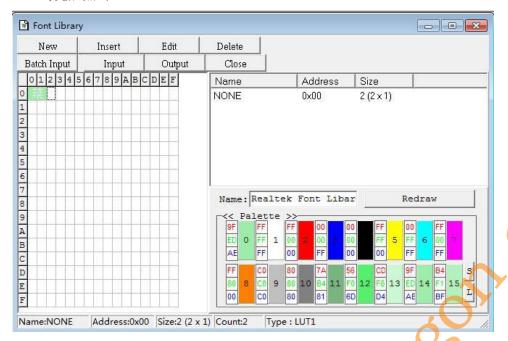


9) 通过右下角的 Contral 里面的按钮对字体进行"(up,down,left,right)上下左右"等移动,字移动居中位置后点击"update"

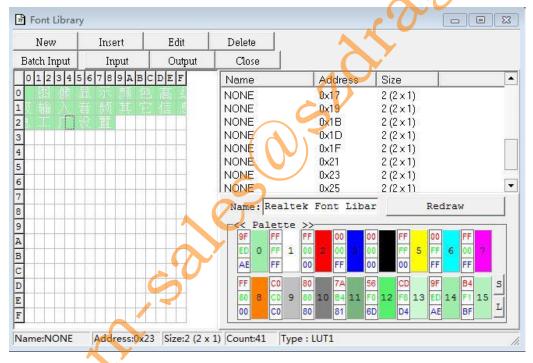




10) 写完后点击 "Close"



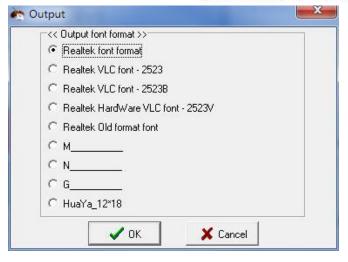
11) 以此上述步骤继续添加文字



12)output->第一个 Realtek font format-》OK



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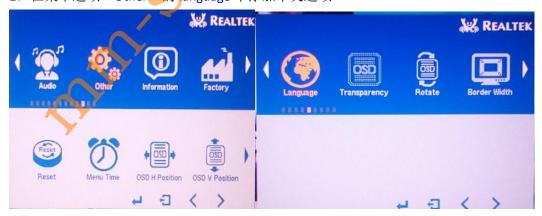


13) 将中文字库保存为"显示模式.rgl"文件



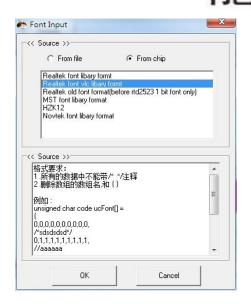
二. 程序菜单部分

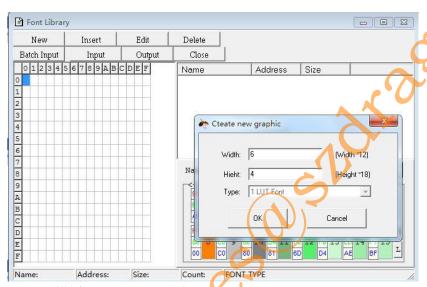
1) 在菜单选项"Other"的 language 中添加中文选项



2) 用 OsdEditor.exe 画出要中英文两个图标-将数据复制



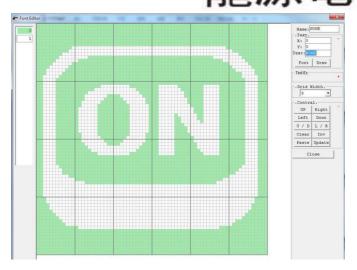




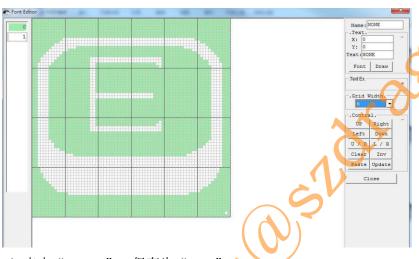
New -> 设置 width: 6; Height: 4

3) 采用 RTD20140sdFontDynamicIcon_2. c-菜单下层图标数据这里在 ON 图标的基础上进行修改。





4) 手动修改图标如下图:



- 5) 点击"output",保存为"e.txt"
- 6) 打开 e.txt 文件,复制蓝色部分数据:

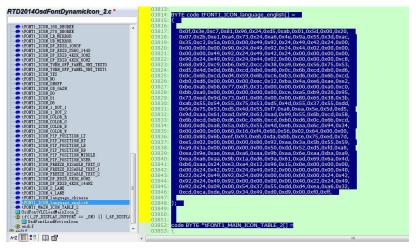


7)在 RTD20140sdFontDynamicIcon_2. c─菜单下层图标数据

添加该新图标的数据-tFONT1_ICON_language_english[]



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BYTE code FONT1_ICON_language_english[] = BYTE code FONT1_ICON_language_chinese[] =

8) 在 code void (*OperationTable[])(void) 中可以看到" language 图标"前一个是"MenuOtherOsdVPos,"

```
MenuAdvanceUpU1LaneCountAdjust
MenuAdvanceDpD6LaneCountAdjust
MenuHotKeyDdcci
                                                                               12747:
12748:
12749:
                                                                                              MenuOtherReset,
MenuOtherMenuTime,
MenuOtherOsdHPos,
    ■ MenuHotKeySource
■ MenuHotKeyDisplayMode
                                                                               12750:
12751:
    ■ MenuHotKeyInformation
■ MenuPanelUniformityMsgAdjust
                                                                                              MenuOtherOsdVPos,
    MenuMeseageDisplay
                                                                               12752:
                                                                                              MenuOtherLanguage
     MenuSource_1F
                                                                               12753:
                                                                                              MenuOtherTransparency,
    ■ MenuSource_2P
■ MenuSource_3P
                                                                               12754:
                                                                                              MenuOtherRotate,
    MenuSource_4P

MenuSource_1P_ADJ

MenuSource_2P_ADJ

MenuSource_3P_ADJ

MenuSource_4P_ADJ
                                                                               12755:
                                                                                              MenuOtherBorderWidth,
                                                                                              MenuOtherBorderColor,
                                                                               12757
                                                                               12758
12759
                                                                                                  display function adjust
                                                                                              MenuDisplayFunDispRotateAdjust,
                                                                               12760:
                                                                                              MenuDisplayFunDispLatencyAdjust,
🗱 endif
                                                                                              MenuDisplayFunFreezeAdjust,
A-7 🗐 🙎 🖺 🛍 🙉
```

9)在 RTD2014Osd.c 中找到函数 void **MenuOtherOsdVPos**(void);在**右键**选项中加入: OsdDispMainMenuIconPage(_DOWN__ICON_PAGE_language_0);



在 language 图标后一个函数 void MenuOtherTransparency(void)的左键也加入:

OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_language_0);

因为没有_ICON_PAGE_language_0, 所以得到图标定义处去添加:



RTD2014Include.h->枚举 EnumiconPageIndex(2556 板子) 或者 EnumiconPage(2796 板子) 末尾添加 _ICON_PAGE_language_0

9)接着到画图标的地方添加:



10)接着: void OsdDispMainMenulconString(BYTE uclconPos, WORD uslcon, BYTE ucColor)函数中查看画图标的函数-》void OsdFontVLCDynamicLoadIcon(BYTE uclconPos, WORD uslcon);看函数的走向:

RTD2014Include.h->枚举 EnumiconIndex 在末尾加入:-放入两个语言图标:

```
typedef enum

{
    _ICON_2_LANE,
    _ICON_4_LANE,

/////////

_ICON_LANGUAGE_english,
    _ICON_LANGUAGE_chinese,

OPTION_ICON_END,
}
Enumiconindex;
```

11)接着进一步寻找图标的存放数组:

void OsdFontVLCLoadMainIcon_2(BYTE uclconPos, WORD uslcon);

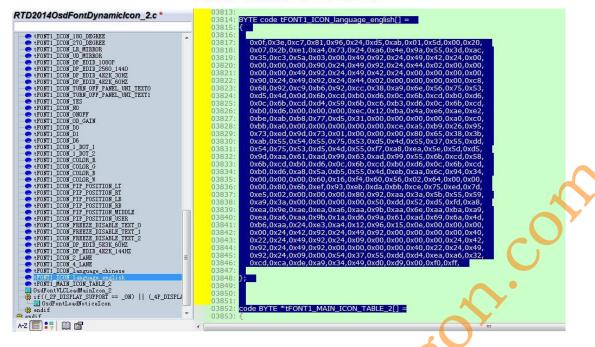


```
RTD2014OsdFontDynamicIcon_2.c *
                                                             FUNCTION DEFINITIONS
                                                           void OsdFontVLCLoadMainIcon_2(BYTE ucIconPos, WORD usIcon)
                                                             BYTE ucOsdRotateStatus = _OSD_ROTATE_DEGREE_0;
f((_OSD_ROTATE_FUNCTION == _OSD_ROTATE_SOFTWARE) || (_OSD_ROTATE_FUNCTION == _OSD_ROTATE_STATUS();
                                                             ScalerOsdHardwareVLC(tFONT1_MAIN_ICON_TABLE_2[usIcon], VLC_TABLE_SIZE(tFONT1_MAIN_ICON_T
```

12) RTD2014OsdFontDynamicIcon 2.c 中发现字符数组名字存放在一个枚举中: code BYTE *tFONT1_MAIN_ICON_TABLE_2[] = //两个图标数组 //on off page tFONT1_ICON_ON, tFONT1_ICON_OFF, 末尾添加: tFONT1 ICON 2 LANE, tFONT1 ICON 4 LANE //c 图标在前 //tFONT1_ICON_language_chinese, //tFONT1_ICON_language_english, //决定图标的前后顺序-这个 E 图标在前 tFONT1_ICON_language_english, tFONT1 ICON language chinese, tFONT1_ICON_OD_GAIN, RTD2014OsdFontDynamicIcon_2.c * tFONT1_ICON_D0, tFONT1_ICON_D1, tFONT1_ICON_D6, tFONT1_ICON_1_DOT_1, tFONT1_ICON_1_DOT_2, tFONT1_ICON_PIP_POSITION_LT, tFONT1_ICON_PIP_POSITION_RT, tFONT1_ICON_PIP_POSITION_RB, tFONT1_ICON_PIP_POSITION_MIDDLE, tFONT1_ICON_PIP_POSITION_USER, tFONT1_ICON_FREEZE_DISABLE_TEXT_0, tFONT1_ICON_FREEZE_DISABLE_TEXT_1, tFONT1_ICON_FREEZE_DISABLE_TEXT_2, tFONT1_ICON_DP_EDID_5K3K_60HZ, tFONT1_ICON_DP_EDID_4K2K_144HZ, tFONT1_ICON_2_LANE, tFONT1_ICON_4_LANE, tFONT1_ICON_IMAGE_Chinese, tFONT1_ICON_language_chinese, tFONT1_ICON_language_english,

并在此文件 RTD2014OsdFontDynamicIcon_2.c 程序最上面将图标数组数据添加:





14) 在 RTD2014Osd.c 函数中找到

```
void MenuOtherLanguage(void);--画菜单图标
void MenuOtherLanguageAdjust(void);--对应语言功能调节
```

将中英文两个图标功能加进去:

```
1>修改 void MenuOtherLanguage(void);
void MenuOtherLanguage(void)
   switch(GET_KEYMESSAGE())
      case _MENU_KEY_MESSAGE:
         g_usBackupValue = GET_OSD_LANGUAGE();
         SET_OSD_STATE(_MENU_OTHER_LANGUAGE_ADJUST);
OsdDispMainMenuCursor(GET_OSD_STATE(),GET_OSD_STATE_PREVIOUS(), INSUBSET);
         break:
         case _RIGHT_KEY_MESSAGE:
             OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_CLEAR);//
            MsdDispClearSelectColor(_DOWN);//
             SET OSD STATE( MENU OTHER TRNASPARENCY);
             OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(),_OUTSUBSET);
OsdDispSliderAndNumber(_MENU_OTHER_TRNASPARENCY,GET_OSD_TRANSPARENCY_STATUS());
             break;
         case _LEFT_KEY_MESSAGE:
```

OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_CLEAR);//

OsdDispClearSelectColor(_DOWN);//



```
SET_OSD_STATE(_MENU_OTHER_OSD_VPOS);
OsdDispMainMenuCursor(GET_OSD_STATE(),GET_OSD_STATE_PREVIOUS(),_OUTSUBSET);
           OsdDispMainMenuIconPage(_UP, _ICON_PAGE_OTHER_0);
           OsdDispSliderAndNumber(_MENU_OTHER_OSD_VPOS, GET_OSD_VPOS());
           break;
       case _EXIT_KEY_MESSAGE:
          OsdDispClearSliderAndNumber();
          SET_OSD_STATE(_MENU_OTHER);
OsdDispMainMenuCursor(GET_OSD_STATE(),GET_OSD_STATE_PREVIOUS(),_OUTSUBSET);
          OsdDispMainMenuIconPage(_UP, _ICON_PAGE_MAIN_2);
          OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_OTHER_0);
           break;
       default:
           break;
2>修改 void MenuOtherLanguageAdjust(void);-里面的函数修改在后面再进行
3>后一个图标的左键加入:
void MenuOtherTransparency(void)
          case LEFT KEY MESSAGE:
               OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_CLEAR);//
               OsdDispClearSelectColor(_DOWN);//
           OsdDispClearSliderAndNumber();
           SET_OSD_STATE(_MENU_OTHER_LANGUAGE);
           OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
           OsdDispMainMenuIconPage(_DOWN,_ICON_PAGE_language_0);
           break;
```

4>菜单修改后图片为:



发现图标乱码,原因是 void MenuOtherLanguageAdjust(void)里面还未修改,受里面的影响。不过在后面的添加中发现是用了写字符串函数来画图标才显示乱码,问题解决详见后面 bug1.



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15) RTD20140sdFontProp. c->0sdPropPutStringCenter()函数修改,添加中文菜单的地址

```
--2556 函数中应用
// Description :
// Input Value : None
// Output Value : None
void OsdPropPutStringCenter(BYTE ucRow, BYTE ucCol, BYTE ucWidth, BYTE ucFptsSelect, BYTE ucString, BYTE ucColor, BYTE
ucLanguage)
   bit bEndFlag = 0;
   BYTE pucTemp[27] = \{0\};
   bit bMode = _CENTER;
   BYTE *pucFontTable = 0;
   BYTE *pucArray = 0;
   BYTE ucByte0 = 0x6C; // palette index 0, 1bit 256 ^{\sim} 511
   BYTE pucDataTemp[16] = {0};// replace pData
#if(_OSD_ROTATE_FUNCTION == _OSD_ROTATE_SOFTWARE)
   \mbox{if((GET\_OSD\_ROTATE\_STATUS() == \_OSD\_ROTATE\_DEGREE\_90) } \mid \  \  \mid
     (GET_OSD_ROTATE_STATUS() = _OSD_ROTATE_DEGREE_270))
      ucByte0 = 0x6E;
#endif
   pucArray = OsdPropGetStringTableAddress(ucString);
    if (ucLanguage == CHINESE T)
           pucFontTable = tFONT_CHINESE://中文字库数据数组
pucArray = OsdPropGetStringTableAddress_ChnS(ucString);//自造函数,获取单文字地址
pucFontTable = OsdGetChnTFontPage(ucString);//自造函数
    }
    else
                       = tFONT EUROPE;//英文字库数据数组
         pucFontTable
            pucArray = OsdPropGetStringTableAddress(ucString);
/////////
if(pucFontTable == 0)
            pucFontTable = tFONT_EUROPE;
        if(pucArray = 0)
            pucArray = OsdPropGetStringTableAddress(ucString); //
/*
```



```
pucDataTemp[0] = ucLanguage;
     while(pucDataTemp[0] != _ENGLISH)
          if(*pucArray == END )
               pucDataTemp[0]--;
          pucArray++;
   pucDataTemp[1] = OsdPropGetFontPointer(ucFptsSelect);
   // reorder
   SCALEROSD_FONT_ROTATE_SETTING_SET(SCALEROSD_FONT_ROTATE_SETTING_GET() | _BIT6);
   SCALEROSD_FONT_ROTATE_SETTING_SET(SCALEROSD_FONT_ROTATE_SETTING_GET() & (~(_BIT7
   pucDataTemp[2] = 0;
   pucDataTemp[3] = 0;
   pucDataTemp[4] = 0;
   pucDataTemp[7] = 0;
   pucDataTemp[10] = 0;
   while(*(pucArray + pucDataTemp[2]) != _END_)
       \verb|switch|(*(pucArray + pucDataTemp[2]))|\\
          case _END_:
              break:
          default:
              pucDataTemp[3] = *(pucArray + pucDataTemp[2]);
              if(ucLanguage == _ENGLISH)
                 pucDataTemp[4] = pucDataTemp[4] + tOSD_CHARWIDTH_EUROPE[pucDataTemp[3]][1];
                    else if (uclanguage == CHINESE T)
//pucDataTemp[4] = oucDataTemp[4] + tOSD CHARWIDTH CHINESE[pucDataTemp[3]][1];
          if (pucFontTable == tFONT_EUROPE)
     pucDataTemp[4] = pucDataTemp[4] + tOSD_CHARWIDTH_EUROPE[pucDataTemp[3]][1];
          pucDataTemp[4] = pucDataTemp[4] + 12;
                    else
              {
                 pucDataTemp[4] = pucDataTemp[4] + 12;
              pucDataTemp[2] ++;
              break;
```



```
\label{eq:pucDataTemp} \verb|[5] = ucCol + (((((WORD) ((ucWidth) * 12) - pucDataTemp[4]) / 2)) / 12);
    pucDataTemp[0] = ((((WORD)((ucWidth) * 12) - pucDataTemp[4]) / 2)) % 12;
/*//for Right mode
    ucCol = (ucColEnd - (ucCharWidth/12) -1);
    ucBlinking = 12 - (ucCharWidth % 12);
    pucDataTemp[4] = 0;
   pucDataTemp[2] = 0;
    if(pucDataTemp[0] == 0)
    {
        bMode = _NORMAL;
   }
    else
    {
        bMode = _CENTER;
    while(*(pucArray + pucDataTemp[2]) != _END_)
        switch(*(pucArray + pucDataTemp[2]))
            case _END_:
                bEndFlag = 1;
                break;
            default:
                if(bMode == _CENTER)
                    pucDataTemp[6] =
                else
                {
                    pucDataTemp[6] = *(pucArray + pucDataTemp[2]);
                if(ucLanguage == _ENGLISH)
                    if(bMode == _CENTER)
                        pucDataTemp[4] = pucDataTemp[0];
                    else
                        pucDataTemp[4] = tOSD_CHARWIDTH_EUROPE[pucDataTemp[6]][1];
                      else if(ucLanguage == _CHINESE_T)
                            if(bMode == _CENTER)
                            {
```



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```
pucDataTemp[4] = pucDataTemp[0];
                         else
                         {
// pucDataTemp[4] = tOSD CHARWIDTH CHINESE[pucDataTemp[6]][1];
if(pucFontTable == tFONT EUROPE)
                   pucDataTemp[4] = tOSD_CHARWIDTH_EUROPE[pucDataTemp[6]][1];
                        pucDataTemp[4] = 12;
else
                 pucDataTemp[4] = 12;
              pucDataTemp[2] ++;
              break;
       if(pucDataTemp[7] == 0)
          pucDataTemp[7] = pucDataTemp[4];
       SCALEROSD_FONT_ROTATE_SETTING_SET(SCALEROSD_FONT_ROTATE_SETTING_GET() | _BIT3); // first bits shift direction:
left shift
       SCALEROSD_FONT_ROTATE_SETTING_SET(SCALEROSD_FONT_ROTATE_SETTING_GET() & (~BIT2)); // left bits shift direction:
       SCALEROSD_FONT_ROTATE_1_2_BITS_SHIFT_SET(((pucDataTemp[4] - pucDataTemp[7]) << 4) | pucDataTemp[7]); // first bits
shift and second bits shift
       pucDataTemp[8] = pucDataTemp[2]
       pucDataTemp[9] = pucDataTemp[7];
       if(bMode == _CENTER)
          pucDataTemp[8] / 0;
          pucDataTemp[6] =0;
          pucDataTemp[2] = 0;
          bMode = _NORMAL;
       for (pucDataTemp[0] = 0; pucDataTemp[0] < 9; pucDataTemp[0]++)</pre>
          SCALEROSD FONT ROTATE SETTING SET(SCALEROSD FONT ROTATE SETTING GET() | BITO); // restart from last three
bytes
          PDATA_WORD(7) = pucDataTemp[6] * 27 + pucDataTemp[0] * 3;
          SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7)));
          SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7) + 1));
          SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7) + 2));
          pucDataTemp[2] = pucDataTemp[8];
```



```
pucDataTemp[7] = pucDataTemp[9];
           if((pucDataTemp[7] == 12) \mid \mid (*(pucArray + pucDataTemp[2]) == \_END_))
               SCALEROSD_FONT_ROTATE_INPUT_SET(0x00);
               SCALEROSD FONT ROTATE INPUT SET (0x00);
               SCALEROSD FONT ROTATE INPUT SET (0x00);
           else
                     pucDataTemp[3] = *(pucArray + pucDataTemp[2]);
                     if (ucLanguage == CHINESE T)
// pucDataTemp[4] = tOSD CHARWIDTH CHINESE[pucDataTemp[3]][1];
                     if(pucFontTable == tFONT EUROPE)
     pucDataTemp[4] = tOSD CHARWIDTH EUROPE[pucDataTemp[3]][1];
                                pucDataTemp[4] = 12;
                     }
                   else
                   pucDataTemp[4] = tOSD CHARWIDTH EUROPE[pucDataTemp[3]][1]
               pucDataTemp[2] ++;
               PDATA_WORD(7) = pucDataTemp[3] * 27 + pucDataTemp[0] * 3;
               SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7)));
               SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7) + 1));
               SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7) + 2));
               pucDataTemp[7] += pucDataTemp[4];
           while((pucDataTemp[7] < 12) && (*(pucArray + pucDataTemp[2]) != _END_))</pre>
               SCALEROSD\_FONT\_ROTATE\_3\_L\_BITS\_SHIFT\_SET((pucDataTemp[7] << 4) \mid pucDataTemp[7]); // third bits shift and
left bits shift
               switch(*(pucArray + pucDataTemp[2]))
                   case END:
                       bEndFlag = 1;
                       break:
                   default:
                       pucDataTemp[3] = *(pucArray + pucDataTemp[2]);
                       if(ucLanguage == \_ENGLISH)
                          pucDataTemp[4] = tOSD_CHARWIDTH_EUROPE[pucDataTemp[3]][1];
```



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```
else if (ucLanguage == _CHINESE_T)
//pucDataTemp[4] = tOSD_CHARWIDTH_CHINESE[pucDataTemp[3]][1];
//////
            if(pucFontTable == tFONT EUROPE)
     pucDataTemp[4] = tOSD_CHARWIDTH_EUROPE[pucDataTemp[3]][1];
                       pucDataTemp[4] = 12;
                       else
                          pucDataTemp[4] = 12;
                       pucDataTemp[2] ++;
                      break;
               pucDataTemp[7] += pucDataTemp[4];
               PDATA_WORD(7) = pucDataTemp[3] * 27 + pucDataTemp[0] * 3;
               SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7)));
               SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7) + 1));
               SCALEROSD_FONT_ROTATE_INPUT_SET(*(pucFontTable + PDATA_WORD(7) + 2));
           pucTemp[pucDataTemp[0] * 3 + 2] = SCALEROSD_FONT_ROTATE_ONPUT_GET();
           pucTemp[pucDataTemp[0] * 3 + 1] = SCALEROSD_FONT_ROTATE_ONPUT_GET();
           pucTemp[pucDataTemp[0] * 3] = SCALEROSD_FONT_ROTATE_ONPUT_GET();
       if(pucDataTemp[7] <= 12)</pre>
           pucDataTemp[7] = 0;
       else
           pucDataTemp[7] = pucDataTemp[7] - 12;
           pucDataTemp[2]
       // Write the pro font data to sram
       // COsdFxLoadFontDataAddrCal(ucBankupFontPointer);
       // PDATA_WORD(7) = (WORD)pucDataTemp[1] * 9;
       PDATA_WORD(7) = ((WORD) pucDataTemp[1] + 0x100) * 9;
       PDATA_WORD(7) += g_usFontTableStart;
#if((_OSD_ROTATE_FUNCTION == _OSD_ROTATE_SOFTWARE) || (_OSD_ROTATE_FUNCTION == _OSD_ROTATE_HARDWARE))
       if(GET_OSD_ROTATE_STATUS() != _OSD_ROTATE_DEGREE_0)
           ScalerOsdFontRotateCtrl(GET_OSD_ROTATE_STATUS(), _ENABLE, _ENABLE);
           ScalerOsdCompressionCtrl(_OSD_DECODE_NON_COMPRESSED, _OSD_COMPRESSION_ENABLE);
       else
```

```
#endif
            {\tt ScalerOsdFontRotateCtrl(GET\_OSD\_ROTATE\_STATUS(), \_DISABLE, \_DISABLE);}
            ScalerOsdCompressionCtrl(\_OSD\_DECODE\_COMPRESSED, \ \_OSD\_COMPRESSION\_DISABLE);
        if (PDATA WORD (7) > 4095)
        {
            ScalerOsdScrambleLoadFontAddrHsbSet();
        else
        {
            ScalerOsdScrambleLoadFontAddrHsbClr():
        ScalerOsdAddrSet(OSD SRAM, OSD BYTEALL, PDATA WORD(7), DISABLE);
        ScalerOsdBurstWriteDataPort(pucTemp, 27, GET_CURRENT_BANK_NUMBER(), _BURSTWRITE_DATA_OSD, _BURSTWRITE_FROM_XRAM);
        // OSD HW needs time to process it and then write decompressed data into SRAM.
        // The value 1ms is enough at all.
        ScalerTimerDelayXms(1);
        ScalerOsdCompressionCtrl(_OSD_DECODE_COMPRESSED, _OSD_COMPRESSION_DISABLE);
#if(( OSD ROTATE FUNCTION == OSD ROTATE SOFTWARE) || ( OSD ROTATE FUNCTION == OSD ROTATE HARDWARE))
        if(GET OSD ROTATE STATUS() != OSD ROTATE DEGREE 0)
            ScalerOsdFontRotateCtrl(GET_OSD_ROTATE_STATUS(), _DISABLE,
#endif
        ScalerOsdScrambleLoadFontAddrHsbClr();
#if( OSD ROTATE FUNCTION == OSD ROTATE SOFTWARE)
        if(GET_OSD_ROTATE_STATUS() == _OSD_ROTATE_DEGREE_90)
        {
            PDATA WORD(7) = (WORD) ((g ucosdwidth - ucRow - 1) + g ucosdwidth * (pucDataTemp[5] + pucDataTemp[10]));
        else if (GET_OSD_ROTATE_STATUS() = OSD_ROTATE_DEGREE_270)
            PDATA_WORD(7) = (WORD) (g_ucOsdHeight - 1 - pucDataTemp[5] - pucDataTemp[10]) * g_ucOsdWidth + ucRow;
        else
#endif
            PDATA_WORD(7) = (WORD)ucRow * g_ucOsdWidth + pucDataTemp[5] + pucDataTemp[10];
         ScalerOsdCommandByte(PDATA_WORD(7) + g_usFontSelectStart, _OSD_BYTE1, pucDataTemp[1]);
        ScalerOsdCommandAllByte(PDATA_WORD(7) + g_usFontSelectStart, ucByte0, pucDataTemp[1], ucColor);
        pucDataTemp[10] ++; // Record the length of prop string
        // Increase the sram address pointer
        pucDataTemp[1] = OsdPropSetFontPointer(ucFptsSelect, pucDataTemp[1]);
   }// End of while(*(pucArray + stringent) != _END_)
    if(ucFptsSelect == _PFONT_PAGE_0)
```

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```
g_ucFontPointer0 = pucDataTemp[1];
  else if(ucFptsSelect == _PFONT_PAGE_1)
     g_ucFontPointer1 = pucDataTemp[1];
  else if((ucFptsSelect == PFONT PAGE 2) ||
        ((ucFptsSelect >= _PFONT_PAGE_ITEM_1) && (ucFptsSelect <= _PFONT_PAGE_ITEM_8)))</pre>
     g_ucFontPointer2 = pucDataTemp[1];
16) 在此文件末尾添加函数:-注意要到文件首部声明。
BYTE *OsdGetChnTFontPage(BYTE ucString)
{
    BYTE *pArray = 0;
    switch(ucString)
        case _STRING_PICTURE:
        case _STRING_BRIGHTNESS:
        case _STRING_CONTRAST:
        case STRING SHARPNESS:
        case _STRING_COLOR_TEMP:
        case _STRING_OTHER:
        case _STRING_RESET:
        case _STRING_DISP_ROTATE:
        case STRING VOLUME:
        case
            STRING LANGUAGE:
        case STRING INPUT:
                  break;
        case _STRING_INFORMATION: //蓝色部分是我大概给了几个要翻译为中文的菜单
        pArray = tFONT_CHINESE; //这个中文地址就是刚刚第二步生成的码值文档 1234,可参考英
文
        break;
    return pArray
完成以上项编译会报错,
1) OsdPropGetStringTableAddress_ChnS 没有定义;
OsdPropGetStringTableAddress_ChnS 参照 OsdPropGetStringTableAddress 仿照修改添加到文件
末尾;
//---
// Description :Chinese Address-中文 OSD 的排序中文地址
// Input Value : None
// Output Value : None
```



龍源電子

```
BYTE* OsdPropGetStringTableAddress_ChnS(BYTE ucString)
    BYTE *pucArray = 0;
    switch(ucString)
        case _STRING_PICTURE:
                   pucArray = tSTRING_PICTURE_CHS;
                   break:
               case _STRING_DISPLAY:
                   pucArray = tSTRING_DISPLAY_CHS;
                   break;
               case _STRING_COLOR:
                   pucArray = tSTRING_COLOR_CHS;
                   break;
               case STRING ADVANCE:
                   pucArray = tSTRING_ADVANCE_CHS;
                   break;
               case _STRING_INPUT:
                   pucArray = tSTRING_INPUT_CHS;
                   break;
               case _STRING_AUDIO:
                   pucArray = tSTRING_AUDIO_CHS;
                   break;
               case STRING OTHER:
                   pucArray = tSTRING_OTHER_CHS;
                   break;
               case _STRING_INFORMATION:
                   pucArray = tSTRING_INFORMATION_CHS;
                   break;
               case _STRING_FACTORY:
                   pucArray = tSTRING_FACTORY_CHS;
                   break;
    return pucArray;
}
```

17)RTD2014OsdFontProp.c 中添加中文数组地址

用 OSDEdit.ext 制作字库-svn_2556_osdfont.rgl

OsdPropGetStringTableAddress_ChnS 中 ,中文字符串怎么添加,如英文与中文的区别(我举 picture 为例),



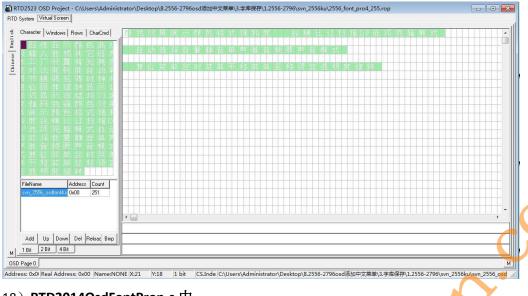
Address: 0x24 Name:NONE X:5 Y:2 1 bit 0x01

Dragon Source 龍源電子

```
BYTE code tSTRING_PICTURE[] =
{
   _P_, _i_, _c_, _t_, _u_, _r_, _e_, _END_,英文
};
BYTE code tSTRING_PICTURE_CHS[] =
{
   0x11,0x12,0x01,0x02,_END_,//你可能比较纳闷这中文数据怎么来的,
};
打开 osd edit
点击 file 下的 new project,
然后点击左下角的 add 添加前面自己制作生成的字库 "svn 2556 osdfont.rg1"
如图 1: 添加成功后如图 2 双击图像 (picture) 然后鼠标圈中图像即可得到 0x11, 0x12, 0x01, 0x02,
即为 picture 的中文添加到程序中 BYTE code tSTRING PICTURE CHS[] =
{ 0x11, 0x12, 0x01, 0x02, _END_, };其他也是相同的方法添加;
                                                 图 1
                            左键圈住
                                  址数据
  Add Up Down Del
```



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18) RTD2014OsdFontProp.c 中

```
将中文的地址数据写入 RTD2014OsdFontProp.c 文件中
BYTE code tSTRING_FAIL[] =
   _F_, _a_, _i_, _l_, _END__};
//中文
BYTE code tSTRING PICTURE CHS[] =
    0x01,0x02,0x03,0x04, END,
};
BYTE code tSTRING DISPLAY CHS[] =
    0x05,0x06,0x07,0x08, _END_,
BYTE code tSTRING COLOR CHS[] =
    0x09,0x0A,0x0B,0x0C, _END__,
BYTE code tSTRING_ADVANCE_CHS[] =
    0x0D,0x0e,0x0f,0x10,_END_,
};
BYTE code tSTRING_INPUT_CHS[] =
    0x11,0x12,0x13,0x14, _END_,
BYTE code tSTRING_AUDIO_CHS[] =
    0x15,0x16,0x17,0x18, _END_,
BYTE code tSTRING_OTHER_CHS[] =
   0x19,0x1a,0x1b,0x1c, _END_,
BYTE code tSTRING_INFORMATION_CHS[] =
    0x1d,0x1e,0x1f,0x20, _END_,
```



19.在 OsdDispMainMenulconString 函数末尾中添加中文判断的条件。

```
void OsdDispMainMenulconString(BYTE uclconPos, WORD uslcon, BYTE ucColor)
{
    BYTE ucRow = 4;
    BYTE ucCol = 4:
   BYTE ucFontPage = _PFONT_PAGE_0;
   WORD uslconLoad = 0;
   if((uslcon >= _ICON_A0_PORT) && (uslcon <= _ICON_D6_PORT))
OsdPropPutStringCenter(ucRow, ucCol, WIDTH(10), ucFontPage (Tusicon \ ICON_INPUT_END + _STRIN_END), COLOR(ucColor, _CP_BG), _ENGLISH);
   }
   else
       OsdPropPutStringCenter(ucRow, ucCol, WIDTH(10), ucFontPage, usIcon - 1, COLOR(ucColor, _CP_BG), _ENGLISH);
     //在函数末尾:
     if((uslcon >= _ICON_A0_PORT) && (uslcon <= _ICON_D6_PORT))
if(GET_OSD_LANGUAGE() == _CHINESE_T)
OsdPropPutStringCenter(ucRow,ucCol,WIDTH(10), ucFontPage,(uslcon-_ICON_INPUT_END +_STRIN_END), COLOR(ucColor, _CP_BG), _CHINESE_T);
else
OsdPropPutStringCenter(ucRow,ucCol,
                                                   WIDTH(10),
                                                                        ucFontPage,(usIcon-_ICON_INPUT_END
+_STRIN_END), COLOR(ucColor, _CP_BG), _ENGLISH);
     else
     if(GET_OSD_LANGUAGE() == _CHINESE_T)
OsdPropPutStringCenter( ucRow, ucCol, WIDTH(10), ucFontPage, uslcon-1, COLOR(ucColor, _CP_BG),
_CHINESE_T);
      else
```

OsdPropPutStringCenter(ucRow, ucCol, WIDTH(10), ucFontPage, usIcon-1, COLOR(ucColor, _CP_BG),



```
_ENGLISH);
```

```
}
```

```
RTD2014OsdDisplay.c*
                                                                                                                                                                                                                                                                                                                                                                                        ucFontPage = _PFONT_PAGE_1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               ICON AO PORT) && (usicon <= ICON D6 PORT))
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tringCenter(ucRow, ucCol, WIDTH(10), ucFontPage, (usIcon - ICON INPUT END + STRIN END), COLOR(ucColor, CP BG), ENGLISH);
                   endif
OsdDispHainOptionIcon
DispHainHenuIconStr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COI, WIDTH(10), ucFontPage, usIcon - 1, COLOR(ucColor, CP BG), ENGLISH);
                                 UseDL spleamlenulconString
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                                                                                                                                                                                                                                                                                                                                                                                                                                  on >= ICON AO PORT) && (usIcon <= ICON D6 PORT))
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WIDTH(10), ucFontPage, usIcon-1, COLOR(ucColor, CP BG), CHINESE T):
                   🖐 endif
🖥 OsdDispClearSliderAndNumber
🗐 OsdDispOsdReset
                 OsdDispShowLogo
OsdDispShowInformation
if (OSD_ROTATE_FUNCTION == _OSD_ROTAT
OsdDispOsdRotateSwitch
                                                                                                                                                                                                                                                                                                        00898: void OsdDispMainMenuIconPage(BYTE ucUpDown, BYTE ucState
    A-Z 📳 🐫 😭 😭
```

20. 在 MenuOtherLanguageAdjust ()这个函数中还要添加在菜单中左右选择中英文,

```
void MenuOtherLanguageAdjust(void)
{
    switch(GET_KEYMESSAGE())
    {
        case _MENU_KEY_MESSAGE:
        //case _UP_KEY_MESSAGE:
        if(g_usBackupValue!= GET_OSD_LANGUAGE())
        {
            SET_OSD_EVENT_MESSAGE(_OSDEVENT_SAVE_NVRAM_OSDUSERDATA_MSG);
            SET_OSD_STATE(_MENU_OTHER_LANGUAGE);
            OsdDispMainMenuItemSelection((3), _OSD_SELECT);

OsdDispMainMenuOptionSetting(_OPTION_LANGUAGE_SELECT,_UNSELECT,GET_OSD_LANGUAGE());
// OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(),_OUTSUBSET);
            break;

            case _RIGHT_KEY_MESSAGE:
            case _LEFT_KEY_MESSAGE:
            OsdDispSliderAndNumber(_MENU_OTHER_LANGUAGE_ADJUST, GET_OSD_LANGUAGE());
```



OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_CLEAR); //OsdDispMainMenulconPage(UP, ICON PAGE OTHER 0);//进入到选项就跳到第一页去了 OsdDispMainMenuIconPage(_UP, _ICON_PAGE_OTHER_1); //OsdDispMainMenuIconPage(_DOWN,_ICON_PAGE_LANGUAGE);//自定义图标 OsdDispMainMenuIconPage(DOWN, ICON PAGE language 0); OsdDispMainMenuOptionSetting(OPTION LANGUAGE SELECT, SELECT, GET OSD LANGUAGE()); OsdDispMainMenuItemSelection((3), _OSD_PRE_SELECT); //OsdDispMainMenuItemSelection((3), OSD SELECT); //OsdDispMainMenuOptionSetting(_OPTION_LANGUAGE_SELECT,_UNSELECT,GET_OSD_LANGUAGE()); break; case MENU KEY MESSAGE: if(g_usBackupValue != GET_OSD_LANGUAGE()) g usAdjustValue = g usBackupValue; SET OSD LANGUAGE(g usAdjustValue); } SET_OSD_STATE(_MENU_OTHER LANGUAGE); / OsdDispMainMenuItemSelection((3), OSD SELECT); OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(),_OUTSUBSET); break: */ case _EXIT_KEY_MESSAGE: if(g_usBackupValue != GET_OSD_LANGUAGE()) { g_usAdjustValue = g_usBackupValue; SET_OSD_LANGUAGE(g_usAdjustValue); // OsdDispMainMenuItemSelection((3), _OSD_SELECT); SET_OSD_STATE(_MENU_OTHER_LANGUAGE); OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(),_OUTSUBSET);//选中图标为橙黄色 // OsdDispMainMenuOptionSetting(OPTION LANGUAGE SELECT, SELECT, GET OSD LANGUAGE()); // OsdDispMainMenuCursor(GET_OSD_STATE(),GET_OSD_STATE_PREVIOUS(),_OSD_PRE_SELECT); */ if(g usBackupValue != GET OSD LANGUAGE()) { g_usAdjustValue = g_usBackupValue;

SET_OSD_LANGUAGE(g_usAdjustValue);



```
SET_OSD_STATE(_MENU_OTHER_LANGUAGE);
OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
OsdDispMainMenuOptionSetting( OPTION LANGUAGE SELECT, UNSELECT,GET OSD VOLUME MUTE());
            break;
       default:
            break;
   }
}
2) 在枚举中添加: -RTD2014Include.h
-2556 中
typedef enum
   _OPTION_DP_LANE_COUNT_SELECT,
   _OPTION_HDR_MODE_SELECT, // _ULTRA_HDR_SUPPORT
   _OPTION_DARK_ENHANCE_ON_OFF, // _ULTRA_HDR_SUPPORT
_OPTION_LANGUAGE_SELECT,
}EnumOptionIndex;
--2796 则是下面
typedef enum
{
末尾添加
   OPTION LANGUAGE SELECT,
}EnumOptiontype;
3) 在 language 图标的前面的右键添加
void MenuOtherOsdVPos(void)
   switch(GET_KEYMESSAGE())
   {
       case _RIGHT_KEY_MESSAGE:
/*--用注释这个/菜单就花了
             OsdDispClearSliderAndNumber();
                  SET_OSD_STATE(_MENU_OTHER_LANGUAGE);
                  OsdDispMainMenulconPage( DOWN, ICON PAGE LANGUAGE);
                  OsdDispMainMenuItemSelection((3), _OSD_SELECT);
OsdDispMainMenuOptionSetting(_OPTION_LANGUAGE_SELECT,_UNSELECT,GET_OSD_LANGUAGE());
               OsdDispClearSliderAndNumber();
            SET_OSD_STATE(_MENU_OTHER_LANGUAGE);
            OsdDispMainMenuIconPage(_UP, _ICON_PAGE_OTHER_1);
```

```
OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_language_0);
// OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
            //OsdDispMainMenuItemSelection((3), _OSD_SELECT);
OsdDispMainMenuOptionSetting( OPTION LANGUAGE SELECT, UNSELECT,GET OSD LANGUAGE());
 OsdDispMainMenuCursor(GET OSD STATE(), GET OSD STATE PREVIOUS(), OUTSUBSET);
            break;
}
4)void MenuOtherLanguage(void)中
void MenuOtherLanguage(void)
{
    switch(GET KEYMESSAGE())
    {
         case _MENU_KEY_MESSAGE:
            g usBackupValue = GET OSD LANGUAGE();
            SET OSD STATE( MENU OTHER LANGUAGE ADJUST);
OsdDispMainMenuOptionSetting(_OPTION_LANGUAGE_SELECT, SELECT, GET_OSD_LANGUAGE());
OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(),_INSUBSET);
            break;
        case _RIGHT_KEY_MESSAGE:
            OsdDispMainMenuIconPage( DOWN, ICON PAGE CLEAR);//清一页
            OsdDispClearSelectColor(_DOWN);//
   SET OSD STATE( MENU OTHER TRNASPARENCY);
OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
OsdDispSliderAndNumber(_MENU_OTHER_TRNASPARENCY,GET_OSD_TRANSPARENCY_STATUS());
            break:
        case _LEFT_KEY_MESSAGE:
            OsdDispMainMenulconPage( DOWN, ICON PAGE CLEAR);//
            OsdDispClearSelectColor(_DOWN);//
            SET_OSD_STATE(_MENU_OTHER_OSD_VPOS);
            OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
            OsdDispMainMenulconPage( UP, ICON PAGE OTHER 0);
            OsdDispSliderAndNumber(_MENU_OTHER_OSD_VPOS, GET_OSD_VPOS());
            break;
        case _EXIT_KEY_MESSAGE:
            OsdDispClearSliderAndNumber();
            SET OSD STATE( MENU OTHER);
            OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
   OsdDispClearSelectColor(_DOWN);//清除选中的图标颜色
```



```
OsdDispMainMenulconPage(_UP, _ICON_PAGE_MAIN_1);//可能是 MAIN_2
            OsdDispMainMenulconPage(_DOWN, _ICON_PAGE_OTHER_0);
            break;
        default:
            break;
    }
5) language 的后一个图标的左键修改:
void MenuOtherTransparency(void)
{
  case LEFT KEY MESSAGE:
            OsdDispMainMenulconPage(_DOWN, _ICON_PAGE_CLEAR);//
            OsdDispClearSelectColor( DOWN);//
            OsdDispClearSliderAndNumber();
            SET OSD STATE( MENU OTHER LANGUAGE);
            OsdDispMainMenulconPage(_DOWN, _ICON_PAGE_language_0);
            OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
  */
            OsdDispClearSliderAndNumber();
            SET OSD STATE( MENU OTHER LANGUAGE);
            OsdDispMainMenuIconPage(_UP, _ICON_PAGE_OTHER_1);
            OsdDispMainMenulconPage(_DOWN,_ICON_PAGE_language_0);
         //OsdDispMainMenuItemSelection((3), OSD_SELECT);
OsdDispMainMenuOptionSetting( OPTION LANGUAGE SELECT, UNSELECT,GET OSD LANGUAGE());
OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
            break;
}
6) void OsdDispMainMenuOptionSetting(BYTE ucItem, BYTE ucSelectState, BYTE ucOption)函数
void OsdDispMainMenuOptionSetting(BYTE ucItem, BYTE ucSelectState, BYTE ucOption)
{
         case _OPTION_LANGUAGE_SELECT:
                  if(ucOption == _ENGLISH)
                      ucCol = COL(4) + ((_ITEM_0 % 4) * 10) - 2;
                  else if(ucOption == _CHINESE_T)
                      ucCol = COL(4) + ((_ITEM_1 % 4) * 10) - 2;
 OsdWindowDrawingByFontHighlight(ucWin, ucRow, ucCol, WIDTH(10), HEIGHT(5), ucWinColor,
ucForegroundColor, _CP_BG);
```



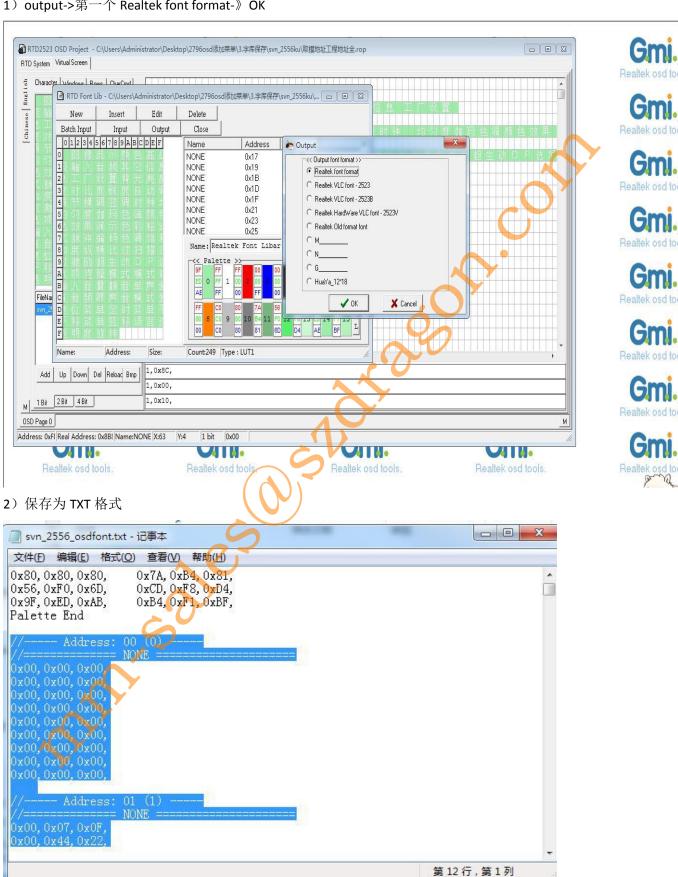
break;

```
default:
         break;
   if(ucltem == _OPTION_COLOR_PCM_TYPE)
#if(_OCC_SUPPORT == _ON)
      OsdFuncChangelconColor1Bit(ROW(14), _ITEM_6, WIDTH(g_ucOsdWidth), HEIGHT(4), _CP_BLUE);
#endif
   else if(ucItem == _OPTION_DP_MST_TYPE)
   else if(ucItem == _OPTION_DISP_ROTATE_TYPE)
   }
   else
      OsdFuncChangelconColor1Bit(ROW(14), _ITEM_4, WIDTH(g_ucOsdWidth), HEIGHT(4), _CP_BLUE);
}
7) RTD2014Include.h 定义 OPTION LANGUAGE SELEC
typedef enum
{
    _OPTION_LANGUAGE_SELECT,
}EnumOptionIndex;
21. OsdDispSliderAndNumber ( MENU OTHER LANGUAGE ADJUST, GET OSD LANGUAGE());
中_MENU_OTHER_LANGUAGE_ADJUST 语言选择的条件,这里举例的只有两种语言_ENGLISH
和 _CHINESE_T:
 case _MENU_OTHER_LANGUAGE_ADJUST:
                                           _LEFT_KEY_MESSAGE)
             if((GET_KEYMESSAGE()
                                                                  - 11
                                                                         (GET_KEYMESSAGE()
RIGHT KEY MESSAGE)
                  if(g_usAdjustValue == _ENGLISH)
                      g_usAdjustValue = _CHINESE T;
                  else
                      g_usAdjustValue = _ENGLISH;
       SET_OSD_LANGUAGE(g_usAdjustValue);
             }
             break;
```



22.把所做的字库转化为数据

1) output->第一个 Realtek font format-》OK





3)添加到文件 RTD2014OsdFontProp.c 文件前面 根据英文的数据仿照 BYTE code tFONT EUROPE[];

```
BYTE code tFONT_CHINESE[] =
    {
    //---- Address: 00 (0) -----
    //======= NONE ==========
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    0x00,0x00,0x00,
    //---- Address: 01 (1) -----
  0 0 0 0 0 0 0 0 0 0 0 0
    //---- Address: F7 (247) -----
    //====== NONE ======
    0x00,0x01,0x00,
    0x00,0x11,0x00,
    0x00,0x72,0xE0,
    0x00,0x24,0x89,
    0x00,0x70,0xE8,
    0x00,0x00,0x8E,
    0x00,0x72,0x88,
    0x00,0x00,0x88,
    0x00,0x00,0x80,
    //===== NONE =
    0x01,0x00,0x00,
    0x11,0x00,0x00,
    0xF1,0xE0,0x00,
    0x2F,0x0F,0x00,
    0x24,0x00,0x00,
    0xF0,0xE2,0x00,
    0x42,0x48,0x00,
    0x10,0x08,0x00,
    0x00,0x80,0x00,
//中文
```

}; 4)

```
BYTE code tSTRING_PICTURE_CHS[] =
{
   0x01,0x02,0x03,0x04, END,
};
BYTE code tSTRING_DISPLAY_CHS[] =
{
   0x05,0x06,0x07,0x08, _END_,
};
BYTE code tSTRING_COLOR_CHS[] =
{
   0x09,0x0A,0x0B,0x0C, _END_,
};
.....
5)应用:
    BYTE *OsdGetChnTFontPage(BYTE ucString)
{
    BYTE *pArray = 0;
   switch(ucString)
       case STRING PICTURE:
       case _STRING_DISPLAY:
       case _STRING_COLOR:
       case _STRING_ADVANCE:
       case _STRING_INPUT:
       case STRING AUDIO:
       case _STRING_OTHER:
       case STRING INFORMATION:
       case _STRING_FACTORY:
   case STRING INFORMATION: //要翻译为中文的菜单图标都添加到上面
        pArray tFONT_CHINESE; //这个中文地址就是刚刚第二步生成的码值文档 1234,可参考英
文
       break;
    return pArray;
}
```



最后编译烧写成功图片:

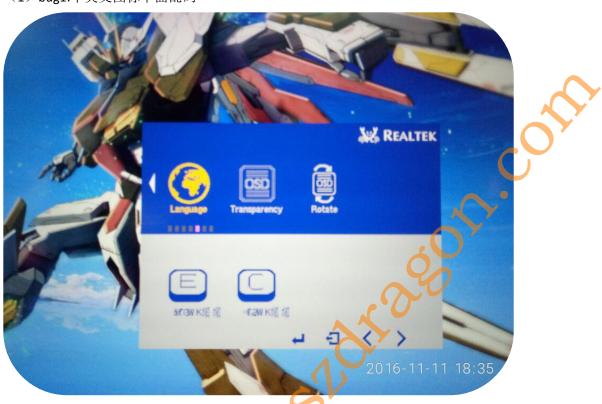


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存在的 bug:

(1) bug1:中英文图标下面乱码



bug2:添加了退出键后按退出颜色状态出现异常。



1)问题解决: -问题原因是用了写字符串的函数





RTD2014OsdDisplay.c->void OsdDispMainMenuIconPage(BYTE ucUpDown, BYTE ucState)中

```
case _ICON_PAGE_language_0:
//图标显示字符串的: OsdDispMainMenuIconString
///OsdDispMainMenuIconString((ucUpDown+0),_ICON_LANGUAGE_english,pucOsdItemColor[0]);
//OsdDispMainMenuIconString((ucUpDown + 1), _ICON_LANGUAGE_chinese,pucOsdItemColor[1]);
//OsdDispMainMenuIconString((ucUpDown + 2), _ICON_NONE,pucOsdItemColor[2]);
//OsdDispMainMenuIconString((ucUpDown + 3), _ICON_NONE, pucOsdItemColor[3]);
//图标不显示字符串: OsdDispMainOptionIcon
OsdDispMainOptionIcon((ucUpDown + 0), _ICON_LANGUAGE_english, pucOsdItemColor[0]);
OsdDispMainOptionIcon((ucUpDown + 1), _ICON_LANGUAGE_chinese, pucOsdItemColor[1]);
OsdDispMainOptionIcon((ucUpDown + 2), _ICON_NONE, pucOsdItemColor[2]);
OsdDispMainOptionIcon((ucUpDown + 3), _ICON_NONE, pucOsdItemColor[3]);
```

2)问题 2 解决:没有退出键,加入后发现退出上下菜单都是橙黄色,正常的状态是上层是橙黄色,下层是白色。-问题原因是按第二次退出键时没有清除选中的颜色状态:



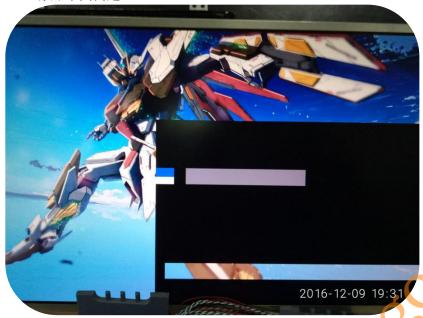


```
(1) void MenuOtherLanguage(void)
        case _EXIT_KEY_MESSAGE:
            OsdDispClearSliderAndNumber();
            SET OSD STATE( MENU OTHER);
            OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
            OsdDispClearSelectColor( DOWN);
            OsdDispMainMenulconPage(_UP, _ICON_PAGE_MAIN_1);
            OsdDispMainMenuIconPage(_DOWN, _ICON_PAGE_OTHER_0);
            break;
 (2) void MenuOtherLanguageAdjust(void)
{
    switch(GET_KEYMESSAGE())
            case _EXIT_KEY_MESSAGE:
            /*//注释部分则会出现退出上下两个图标都是橙黄色
                if(g_usBackupValue != GET_OSD_LANGUAGE())
                {
                    g usAdjustValue = g usBackupValue;
                    SET_OSD_LANGUAGE(g_usAdjustValue);
                }
               // OsdDispMainMenuItemSelection((3), _OSD_SELECT);
                 SET OSD STATE(_MENU_OTHER_LANGUAGE);
                OsdDispMainMenuCursor(GET OSD STATE(),
GET_OSD_STATE_PREVIOUS(),_OUTSUBSET);//选中图标为橙黄色
    // OsdDispMainMenuOptionSetting(_OPTION_LANGUAGE_SELECT,_SELECT,GET_OSD_LANGUAGE());
    // OsdDispMainMenuCursor(GET_OSD_STATE(),GET_OSD_STATE_PREVIOUS(),_OSD_PRE_SELECT);
       */
            if(g_usBackupValue != GET_OSD_LANGUAGE())
                    g_usAdjustValue = g_usBackupValue;
                     SET_OSD_LANGUAGE(g_usAdjustValue);
    SET_OSD_STATE(_MENU_OTHER_LANGUAGE);
    OsdDispMainMenuCursor(GET_OSD_STATE(), GET_OSD_STATE_PREVIOUS(), _OUTSUBSET);
    OsdDispMainMenuOptionSetting(_OPTION_LANGUAGE_SELECT,_UNSELECT,GET_OSD_VOLUME_M
UTE());
            break;
        }
    }
```



20161209 问题三:

2796 添加中文问题:

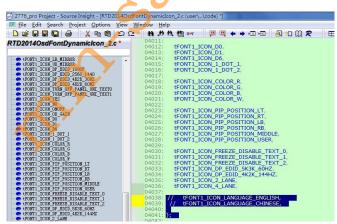


解决:

```
1) 下面限定了图标的范围
```

```
void OsdFontLoadNoticelcon(BYTE uclconPos, WORD uslcon)
{
    if((uslcon >= _ICON_NO_SUPPORT) && (uslcon <= _ICON_NO_SIGNAL_TEXT_1))
    {
        uslcon = uslcon - _ICON_ON;
        ScalerOsdHardwareVLC(tFONT1_MAIN_ICON_TABLE_2[uslcon],
        VLC_TABLE_SIZE(tFONT1_MAIN_ICON_TABLE_2[uslcon]),GET_CURRENT_BANK_NUMBER(),
        (_1BIT_NOTICE_ICON_START + (uclconPos * 24)), g_usFontTableStart, ucOsdRotateStatus);
    }
}
```

所以不能将新增的图标数组数据添加到末尾,

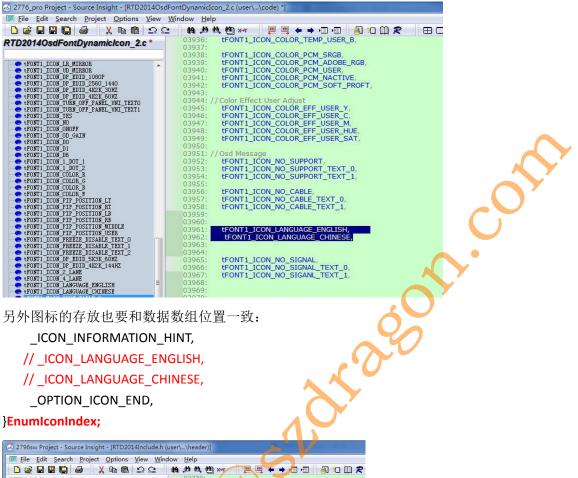


必须放在 code BYTE *tFONT1_MAIN_ICON_TABLE_2[] 范围之间:



龍源電子

if((uslcon >= _ICON_NO_SUPPORT) && (uslcon <= _ICON_NO_SIGNAL_TEXT_1))

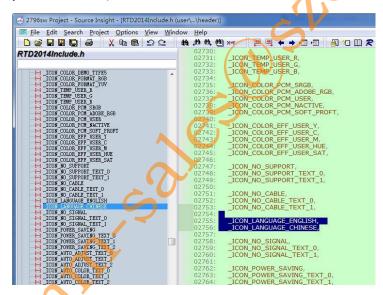


另外图标的存放也要和数据数组位置一致:

```
_ICON_INFORMATION_HINT,
//_ICON_LANGUAGE_ENGLISH,
//_ICON_LANGUAGE CHINESE,
```

_OPTION_ICON_END,

}Enumiconindex;



修改正确后效果





最后添加中文字库成功效果:

