HT\_DIVP测试数据

测试说明：

HT\_DIVP一共有7个参数，分别代表ChannelID，TNR\_DI\_Roate，Mirror，win，Inputsize,outputsize,fileformat。

ChannelID 0~16

TNR\_DI\_Roate 是由TNR，DI，Roation组成的一组参数，范围为0~3，分别代表

{E\_MHAL\_DIVP\_TNR\_LEVEL\_OFF, E\_MHAL\_DIVP\_DI\_TYPE\_OFF, E\_MHAL\_DIVP\_ROTATE\_NONE},

{E\_MHAL\_DIVP\_TNR\_LEVEL\_LOW, E\_MHAL\_DIVP\_DI\_TYPE\_2D, E\_MHAL\_DIVP\_ROTATE\_90},

{E\_MHAL\_DIVP\_TNR\_LEVEL\_MIDDLE, E\_MHAL\_DIVP\_DI\_TYPE\_3D, E\_MHAL\_DIVP\_ROTATE\_180},

{E\_MHAL\_DIVP\_TNR\_LEVEL\_HIGH, E\_MHAL\_DIVP\_DI\_TYPE\_NUM, E\_MHAL\_DIVP\_ROTATE\_270}

Mirror 参数由bHMirror(横向翻转)，bVMirror(纵向翻转)使能变量组成; 范围为0~3，参数如下：

{FALSE,FALSE},

{FALSE,TRUE},

{TRUE,FALSE},

{FALSE,FALSE}

win 0~3 分别代表{0,0,640,480}，{0,0,720,480}，{0,0,1280,720}，{0,0,1920,1088}。

InputSize 0~3分别代表(640\*480，720\*480，1280\*720，1920\*1088)，Cap大小和Inputsize大小相同。

outputSize0~3分别代表(640\*480，720\*480，1280\*720，1920\*1088)。

当inputsize大于3时，inputbuffer从vdec中拿到，CAP和inputsize大小相同，所以Cap的大小对应 {720,576}，{1280,720}，{1920,1088}，{2048,1520}。

单通道测试：

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test  CASE | Channel  ID | TNR\_DI\_Roate | Mirror | win | input resolution | output resolution | Input/out file format | Result |
| CASE1 | 0 | off | FALSE | (0,0,640,480) | 640\*480 | 640\*480 | YUV420NV12 | sucess |
| CASE2 | 2 | off | FALSE | (0,0,720,480) | 720\*480 | 720\*480 | YUV420NV12 | sucess |
| CASE3 | 4 | off | FALSE | (0,0,1280,720) | 1280\*720 | 1280\*720 | YUV420NV12 | sucess |
| CASE4 | 6 | off | FALSE | (0,0,1920,1088) | 1920\*1088 | 1920\*1088 | YUV420NV12 | sucess |
| 测试命令：  CASE1：echo divp 0 0 0 0 0 0 10 > /proc/hal/uttest  CASE2：echo divp 2 0 0 1 1 1 10 > /proc/hal/uttest  CASE3：echo divp 4 0 0 2 2 2 10 > /proc/hal/uttest  CASE4：echo divp 6 0 0 3 3 3 10 > /proc/hal/uttest  扩展命令：从vdec拿数据，将inputsize的参数大于3即可，但要在前一步运行vif  CASE1：echo divp 0 0 0 0 6 0 10 > /proc/hal/uttest  CASE2：echo divp 2 0 0 1 6 1 10 > /proc/hal/uttest  CASE3：echo divp 4 0 0 2 6 2 10 > /proc/hal/uttest  CASE4：echo divp 6 0 0 3 6 3 10 > /proc/hal/uttest  修改filefomat支持YUV422YUYV将最后一个参数改为1即可 | | | | | | | | |

双通道测试

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test  CASE | Channel  ID | TNR\_DI\_Roate | Mirror | win | input resolution | output resolution | Input/out file format | Result |
| CASE1 | 0 | off | FALSE | (0,0,640,480) | 640\*480 | 640\*480 | YUV420NV12 | sucess |
| 2 | off | FALSE | (0,0,720,480) | 720\*480 | 720\*480 | YUV420NV12 | sucess |
| CASE2 | 4 | off | FALSE | (0,0,1280,720) | 1280\*720 | 1280\*720 | YUV420NV12 | sucess |
| 6 | off | FALSE | (0,0,1920,1088) | 1920\*1088 | 1920\*1088 | YUV420NV12 | sucess |
| 测试命令：  CASE1：echo divp 0 0 0 0 0 0 10 2 0 0 1 1 1 10 > /proc/hal/uttest  CASE2：echo divp 4 0 0 2 2 2 10 6 0 0 3 3 3 10 > /proc/hal/uttest  扩展命令：从vdec拿数据，将inputsize的参数大于3即可，但要在前一步运行vif：  CASE1：echo divp 0 0 0 0 6 0 10 2 0 0 1 6 1 10> /proc/hal/uttest  CASE3：echo divp 4 0 0 2 6 2 10 6 0 0 3 6 3 10> /proc/hal/uttest  修改filefomat支持YUV422YUYV将最后一个参数改为1即可。  修改input resolution和output resolution改成分辨率对应的参数即可。 | | | | | | | | |

三通道测试

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test  CASE | Channel  ID | TNR\_DI\_Roate | Mirror | win | input resolution | output resolution | Input/out file format | Result |
| CASE1 | 0 | off | FALSE | (0,0,640,480) | 640\*480 | 640\*480 | YUV420NV12 | sucess |
| 2 | off | FALSE | (0,0,720,480) | 720\*480 | 720\*480 | YUV420NV12 | sucess |
| 4 | off | FALSE | (0,0,1280,720) | 1280\*720 | 1280\*720 | YUV420NV12 | sucess |
| 测试命令：  CASE1：echo divp 0 0 0 0 0 0 10 2 0 0 1 1 1 10 4 0 0 2 2 2 10 > /proc/hal/uttest  扩展命令：从vdec拿数据，将inputsize的参数大于3即可，但要在前一步运行vif：  CASE1：echo divp 0 0 0 0 6 0 10 2 0 0 1 6 1 10 4 0 0 2 6 2 10 > /proc/hal/uttest  修改filefomat支持YUV422YUYV将最后一个参数改为1即可。  修改input resolution和output resolution改成分辨率对应的参数即可。 | | | | | | | | |

四通道测试

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Test  CASE | Channel  ID | TNR\_DI\_Roate | Mirror | win | input resolution | output resolution | Input/out file format | Result |
| CASE1 | 0 | off | FALSE | (0,0,640,480) | 640\*480 | 640\*480 | YUV420NV12 | sucess |
| 2 | off | FALSE | (0,0,720,480) | 720\*480 | 720\*480 | YUV420NV12 | sucess |
| 4 | off | FALSE | (0,0,1280,720) | 1280\*720 | 1280\*720 | YUV420NV12 | sucess |
| 6 | off | FALSE | (0,0,1920,1088) | 1920\*1088 | 1920\*1088 | YUV420NV12 | sucess |
| 测试命令：  CASE1：echo divp 0 0 0 0 0 0 10 2 0 0 1 1 1 10 4 0 0 2 2 2 10 6 0 0 3 3 3 10 > /proc/hal/uttest  扩展命令：从vdec拿数据，将inputsize的参数大于3即可，但要在前一步运行vif：  CASE1：echo divp 0 0 0 0 6 0 10 2 0 0 1 6 1 10 4 0 0 2 6 2 10 6 0 0 3 6 3 10 > /proc/hal/uttest  修改filefomat支持YUV422YUYV将最后一个参数改为1即可。  修改input resolution和output resolution改成分辨率对应的参数即可。 | | | | | | | | |