* HT\_DIVP使用说明、

DIVP Stream 流向

echo divp 0 1 1 1 0 0 0 1 1 1 1 1 0 1 2 1 1 1 2 9 2 3 1 1 1 3 9 3 > /proc/hal/uttest

※ 最后一个参数和> 之间至少需要一个空格。

每个channel 6个参数 分别是

* Channel ID max 16
* TNR\_DI\_ROATE 参数，这三个做成一个整体，0~3参数格式如下

HT\_TnrDiRot\_Param\_t stTNR\_DI\_Roate\_Param[HT\_DIVP\_MAX\_CASE] =

{

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

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

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

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

};

* Mirror 参数 0~3分别代表以下数组内容，分别设置HMirror, VMirror

MHalDivpMirror\_t stMirror\_Param[HT\_DIVP\_MAX\_CASE] =

{

{FALSE,FALSE},

{FALSE,TRUE},

{TRUE,FALSE},

{FALSE,FALSE}

};

* CropWin 参数 0~3分别代表以下4组参数

MHalDivpWindow\_t stWinparam[4]=

{

{0,0,1920,1088},

{0,0,1280,720},

{0,0,720,480},

{0,0,640,480},

};

* inputsize 参数0~3分别代表以下4组参数

HT\_size\_t stInPutSize[HT\_DIVP\_MAX\_CASE]=

{

{1920,1088},

{1280,720},

{720,480},

{640,480},

};

* outputsize 参数0~3分别代表以下4组参数

HT\_size\_t stOutPutSize[HT\_DIVP\_MAX\_CASE]=

{

{1920,1088},

{1280,720},

{720,480},

{640,480},

};

* pixelformat 0 代表E\_HT\_PIXEL\_FORMAT\_YUV422\_YUYV格式，9代表 E\_HT\_PIXEL\_FORMAT\_YUV\_SEMIPLANAR\_420 格式。目前只支持这两种格式。

主流程图

定义channelInfo 结构体

typedef struct HT\_DIVP\_ChnAttr\_s

{

void \* pHalCtx;

HT\_BOOL bCreate;

HT\_S64 s64ReadPos;

HT\_S64 s64WritePos;

HT\_BOOL bCapFlag;

char \*pFileName;

HT\_U16 ChnId;

/\*User Set\*/

HT\_TnrDiRot\_Param\_t stTnrDiRot\_param;

MHalDivpMirror\_t stDIVPMirrorAttr;

MHalDivpWindow\_t stDIVPWinAttr;

HT\_size\_t stInPutSize;

HT\_size\_t stOutPutSize;

HT\_PxlFmt\_e ePixelFormat;

}HT\_DIVP\_ChnAttr\_t;



DIVP\_HandleEachFram 流程图

