programmer_image_tool user manual

1. usage description

![image-20210104110802822](D:\Rockchip\vs_projects\programmer_image_tool\img\usage.png

```
PS D:\Rockchip\vs_projects\programmer_image_tool> .\programmer_image_tool -h
NAME
        programmer_image_tool - creating image for programming on flash
SYNOPSIS
        programmer_image_tool [-iotbpsvh]
        This tool aims to convert firmware into image for programming
        From now on,it can support slc nand(rk)|spi nand|nor|emmc.
OPTIONS:
        -i    input firmware
        -o    output directory
        -t    storage type,range in[SLC|SPINAND|SPINOR|EMMC]
        -b    block size,unit KB
        -p    page size,unit KB
        -s    oob size,unit B
        -2    2k data in one page
        -l    using page linked list
        -v    show version
```

2. example

2.1 type=emmc

```
./programmer_image_tool -i update.img -t emmc
```

when running done, it will generate a out_image.img under the program dir

2.2 type=nor

```
./programmer_image_tool -i update.img -t spinor
```

when running done, it will generate a out_image.img under the program dir

2.3 type=spi nand block=256k page=4k

```
./programmer_image_tool -i update.img -b 256 -p 4 -t spinand -o out
```

when running done, it will generate images named with "partiiton_name.img" saving under the out dir

2.4 type=slc nand block=256k page=4k oob=256B 2k_page

```
./programmer_image_tool -i update.img -b 256 -p 4 -s 256 -t slc -2 -o rockdev
```

when running done, it will generate images named with "partiiton_name.img" saving under the rockdev dir