

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 block=256k page=4k

```
./programmer_image_tool -i update.img -b 256 -p 4 -t emmc
```

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

2.2 type=nor block=128k page=4k

```
./programmer_image_tool -i update.img -b 128 -p 4 -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

