

IMX296 official driver that provide by RPI default kernel not enable strobe by default.

Imx296 can output strobe while work in normal or fast trigger mode.

We can enable strobe by i2c tools.

Imx296 I2c address: 0x1a

Pi5 csi1 i2c bus address :i2c-4

Note: strobe setting must be done while camera stream is off.

Regs and setting values:

0x3026: 0x0F

0x3029: 0x21

0x306D: 0x02(trigger mode strobe enable) /0x01(normal mode strobe enable)

Strobe start point 3byte:

0x3070 :0x00

0x3071 :0x00

0x3072 :0x00

Strobe end point 3byte:

0x3074 :0x2c

0x3075 :0x01

0x3076 :0x00

0x3079: 0x0A(trigger mode strobe enable) /0x09(normal mode strobe enable)

Strobe start point 3byte:

0x307c :0x00

0x307d :0x00

0x307e :0x00

Strobe end point 3byte:

0x3080 :0x2c

0x3081 :0x01

0x3082 :0x00

I2c tools write register:

`./i2c_write 4 0x1a <reg addr> <reg val>`

I2c tools read register:

`./i2c_read 4 0x1a <reg addr> <num of regs to read>`