

1.Base address for all digital camera command registers is:
Bus_ID, Node_ID , FFFF F0F0 0000

2.Supported Video Modes

Format	Mode (Resolution)	Resolution	FrameRate
2	2	1280 X 960 Mono8	0(1.875fps)
			1(3.75fps)
			2(7.5fps)
			3(15fps)
	6	1280 X 960 Mono16	0(1.875fps)
			1(3.75fps)
			2(7.5fps)
7	0	1392 X 1040 Mono8	15fps
	1	1392 X 528 Mono8	30fps
	2	1392 X 264 Mono8	60fps
	3	1392 X 16 Mono8 Partial Scan Center	84fps
		1392 X 32 Mono8 Partial Scan Center	79fps
		1392 X 64 Mono8 Partial Scan Center	69fps
		1392 X 128 Mono8 Partial Scan Center	56fps
		1392 X 256 Mono8 Partial Scan Center	40fps
		1392 X 512 Mono8 Partial Scan Center	26fps
	4	1392 X 16 Mono8 Partial Scan Upper	96fps
		1392 X 32 Mono8 Partial Scan Upper	88fps
		1392 X 64 Mono8 Partial Scan Upper	76fps
		1392 X 128 Mono8 Partial Scan Upper	60fps
		1392 X 256 Mono8 Partial Scan Upper	41fps
		1392 X 512 Mono8 Partial Scan Upper	26fps

3.Status and control register for feature

Offset	Name	Mode	Value
81Ch	SHUTTER	Manual	0:1/15
			1:1/30
			2:1/60
			3:1/125
			4:1/250
			5:1/1000
			6:1/2000
			7:1/10000
			8:1/50000
820h	GAIN	Manual	0:0db
			1:1db
			2:2db
			3:3db
			4:4db
			5:5db
			6:6db
			7:7db
			8:8db
			9:9db
			10:10db
			11:11db
			12:12db
			13:13db
			14:14db
			15:15db
830h	TRIIGER	0(Integration time is described in "Shutter" register)	
		1(Integration time is equal to low state time of the external trigger input)	
		3(Internal trigger)	

4.Video Mode CSR for Format_7

Base address for each video mode command and status registers is:

Bus_ID, Node_ID , FFFF F100 0100 (Mode_1)

Bus_ID, Node_ID , FFFF F100 0200 (Mode_2)

Bus_ID, Node_ID , FFFF F100 0300 (Mode_3)

Bus_ID, Node_ID , FFFF F100 0400 (Mode_4)

Offset	Name	Field	Value			
			Mode_1	Mode_2	Mode_3	Mode_4
008h	IMAGE_POSITION	Left	NONE	NONE	NONE	NONE
		Top	NONE	NONE	NONE	NONE
00Ch	IMAGE_SIZE	Width	NONE	NONE	NONE	NONE
		Height	NONE	NONE	16	16
					32	32
					64	64
					128	128
					256	256
					512	512
010h	COLOR_CODING_ID	Coding_ID	NONE	NONE	NONE	NONE
044h	BYTE_PER_PACKET	BytePerPacket	NONE	NONE	NONE	NONE
		RecBytePerpacket	NONE	NONE	NONE	NONE
07Ch	VALUE_SETTING	Presence	0	0	0	0
		Setting_1	0	0	0	0
		ErrorFlag_1	0	0	0	0
		ErrorFlag_2	0	0	0	0

5.CSRs Advanced Features

Base address for advanced mode command and status registers is:

Bus_ID, Node_ID , FFFF F200 0000

Offset	Name	Field(bit)	Value
008h	CAMERA_MODE	Mode(28bit~31bit)	0:Normal Mode
			1:4x Accelerated Mode
			2:Smear Reduction Mode
			3:2x Accelerated Mode
00Ch	BLACK_LEVEL	Level(24bit~31bit)	0
			1
			50
010h	HD_RESET	Mode(31bit)	0:OFF
			1:ON