

## **MonsterX Default I2C settings**

Below is the list of register settings which will be set by the driver through I2C.

I2C Address: 0x98

Sub-Address	Description	Value
0x01	Bits[7:0] PLL Divide Ratio MSBs	480i – 0x35 480p – 0x35 720p – 0x67 1080i – 0x89
0x02	Bits[7:4] PLL Divide Ratio LSBs	480i – 0xa0 480p – 0xa0 720p – 0x20 1080i – 0x80
0x03	Bits[7:6] VCO Range Select Bits[5:3] Charge Pump Current Bit[2] External Clock Enable	480i – 0x28 480p – 0x28 720p – 0xa8 1080i – 0xa0
0x04	Bits[7:3] Phase Adjust	480i – 0x40 480p – 0x90 720p – 0x90 1080i – 0x90
0x05	Red Channel Gain Adjust MSB	0x61
0x06	Red Channel Gain Adjust LSB	0x00
0x07	Green Channel Gain Adjust MSB	0x64
0x08	Green Channel Gain Adjust LSB	0x00
0x09	Blue Channel Gain Adjust MSB	0x60
0x0a	Blue Channel Gain Adjust LSB	0x00
0x0b	Red Offset MSB	0x40
0x0c	Red Offset LSB	0x00
0x0d	Green Offset MSB	0x08
0x0e	Green Offset LSB	0x00
0x0f	Blue Offset MSB	0x40
0x10	Blue Offset LSB	0x00
0x11	Sync Separator Threshold	0x20

0x12	HSync Control	480i – 0xc0 480p – 0xc0 720p – 0xc8 1080i – 0xc0
0x13	HSync Duration	480i – 0x20 480p – 0x30 720p – 0x20 1080i – 0x70
0x14	VSync Control	480i – 0xcc 480p – 0xce 720p – 0xce 1080i – 0xcc
0x15	VSync Duration	480i – 0x0a 480p – 0x0a 720p – 0x0a 1080i – 0x0a
0x16	Precoast	480i – 0x08 480p – 0x08 720p – 0x04 1080i – 0x04
0x17	Postcoast	480i – 0x0c 480p – 0x0c 720p – 0x04 1080i – 0x04
0x18	Coast and Clamp Control	480i – 0x2a 480p – 0x2a 720p – 0x2a 1080i – 0x2a
0x19	Clamp Placement	480i – 0x08 480p – 0x1e 720p – 0x28 1080i – 0x28
0x1a	Clamp Duration	480i – 0x14 480p – 0x0a 720p – 0x14 1080i – 0x14

0x1b	Clamp and Offset	480i – 0x33 480p – 0x33 720p – 0x3b 1080i – 0x3b
0x1c	TestReg0	0xff
0x1d	SOG Control	0xc3
0x1e	Power	0x34
0x1f	Output Select 1	0xb4
0x20	Output Select 2	0x07
0x23	Sync Filter Window Width	0x14
0x28	TestReg1	0xbf
0x29	TestReg2	0x02
0x2c	Offset Hold	0x00
0x2d	TestReg5	0xe8
0x2e	TestReg6	0xe0
0x34	SOG Filter	0xb0
0x36	VCO Gear	480i – 0x01 480p – 0x00 720p – 0x00 1080i – 0x00
0x3c	Auto Gain	0x00