

## List of VGA register settings

Register name	port	index	mode 3h (80x25 text mode)	mode 12h (640x480 planar 16-bit color mode)	mode 13h (320x200 linear 256-color mode)	mode X (320x240 planar 256 color mode)
Mode Control	0x3C0	0x10	0x0C	0x01	0x41	0x41
Overscan Register	0x3C0	0x11	0x00	0x00	0x00	0x00
Color Plane Enable	0x3C0	0x12	0x0F	0x0F	0x0F	0x0F
Horizontal Panning	0x3C0	0x13	0x08	0x00	0x00	0x00
Color Select	0x3C0	0x14	0x00	0x00	0x00	0x00
Miscellaneous Output Register	0x3C2	N/A	0x67	0xE3	0x63	0xE3
Clock Mode Register	0x3C4	0x01	0x00	0x01	0x01	0x01
Character select	0x3C4	0x03	0x00	0x00	0x00	0x00
Memory Mode Register	0x3C4	0x04	0x07	0x02	0x0E	0x06
Mode Register	0x3CE	0x05	0x10	0x00	0x40	0x40
Miscellaneous Register	0x3CE	0x06	0x0E	0x05	0x05	0x05
Horizontal Total	0x3D4	0x00	0x5F	0x5F	0x5F	0x5F
Horizontal Display Enable End	0x3D4	0x01	0x4F	0x4F	0x4F	0x4F
Horizontal Blank Start	0x3D4	0x02	0x50	0x50	0x50	0x50
Horizontal Blank End	0x3D4	0x03	0x82	0x82	0x82	0x82
Horizontal Retrace Start	0x3D4	0x04	0x55	0x54	0x54	0x54
Horizontal Retrace End	0x3D4	0x05	0x81	0x80	0x80	0x80
Vertical Total	0x3D4	0x06	0xBF	0x0B	0xBF	0x0D
Overflow Register	0x3D4	0x07	0x1F	0x3E	0x1F	0x3E
Preset row scan	0x3D4	0x08	0x00	0x00	0x00	0x00
Maximum Scan Line	0x3D4	0x09	0x4F	0x40	0x41	0x41
Vertical Retrace Start	0x3D4	0x10	0x9C	0xEA	0x9C	0xEA
Vertical Retrace End	0x3D4	0x11	0x8E	0x8C	0x8E	0xAC
Vertical Display Enable End	0x3D4	0x12	0x8F	0xDF	0x8F	0xDF
Logical Width	0x3D4	0x13	0x28	0x28	0x28	0x28
Underline Location	0x3D4	0x14	0x1F	0x00	0x40	0x00
Vertical Blank Start	0x3D4	0x15	0x96	0xE7	0x96	0xE7
Vertical Blank End	0x3D4	0x16	0xB9	0x04	0xB9	0x06
Mode Control	0x3D4	0x17	0xA3	0xE3	0xA3	0xE3