

**3656 x 2664 Academy 4k
1.37:1**

**3996 x 2160 Digital Cinema 4k
1.85:1**

**4096 x 1714 Digital Cinema 4k
2.39:1**

**1828 x 1332 Academy 2k
1.37:1**

**1998 x 1080 Digital Cinema 2k
1.85:1**

1920 x 1080i/p HDTV

1280 x 1024 SXGA

1600 x 1200 UXGA

**2048 x 858 Digital Cinema 2k
2.39:1**

1024 x 768 - XGA

1280 x 720p HDTV

768 x 575 PAL

720 x 480 DV NTSC/VGA

**648 x 486 NTSC
PREFERRED**

Display Resolutions (and analog equivalents)

Computer Graphics Standard	Resolution	Aspect Ratio	Pixels
<i>VIC-II multicolor, IBM PCjr 16-color</i>	160×200	4:5	32,000
<i>Acorn BBC 20 column modes</i>	160×256	5:8	40,960
<i>TMS9918, ZX Spectrum</i>	256×192	4:3	49,152
<i>Apple II HiRes</i>	280×192	35:24	53,760
<i>Atari 400/800</i>	320×192	5:3	61,440
<i>CGA 4-color, Atari ST 16 color, VIC-II HiRes, Amiga OCS NTSC LowRes</i>	320×200	16:10	64,000
<i>QVGA</i>	320×240	4:3	76,800
<i>Acorn BBC 40 column modes</i>	320×256	5:4	76,800
<i>Amiga OCS PAL LowRes</i>	320×256	5:4	76,800
<i>WQVGA</i>	432×240	18:10	103,680
<i>HVGA</i>	480×320	3:2	153,200
<i>Black & white Macintosh (9")</i>	512×342	3:2	175,104
<i>Macintosh LC (12")/Color Classic</i>	512×384	4:3	196,608
<i>Atari ST 4 color, CGA mono, Amiga OCS NTSC HiRes</i>	640×200	16:5	128,000
<i>Acorn BBC 80 column modes</i>	640×256	5:4	163,840
<i>Amiga OCS PAL HiRes</i>	640×256	5:2	163,840
<i>EGA</i>	640×350	64:35 (approx. 9:5)	224,000
<i>Atari ST mono, Amiga</i>	640×400	16:10	256,000

<i>OCS NTSC interlaced</i>			
<i>VGA and MCGA</i>	640×480	4:3	307,200
<i>Amiga OCS PAL interlaced</i>	640×512	5:4	327,680
<i>HGC</i>	720×348	60:29 (approx. 2:1)	250,560
<i>MDA</i>	720×350	72:35 (approx. 2:1)	252,000
<i>Apple Lisa</i>	720×360	2:1	259,200
<i>WGA or WVGA</i>	800×480	5:3	384,000
<i>SVGA</i>	800×600	4:3	480,000
<i>XGA</i>	1024×768	4:3	786,432
<i>NeXTcube</i>	1120×832	35:26 (approx. 4:3)	931,840
<i>XGA+</i>	1152×864	4:3	995,328
<i>Sun</i>	1152×900	32:25 (approx. 4:3)	1,036,800
<i>SXGA</i>	1280×1024	5:4	1,310,720
<i>WXGA¹</i>	1280×800	16:10	1,024,000
<i>Apple PowerBook G4</i>	1280×854	640:427 (approx. 3:2)	1,093,120
<i>WXGA²</i>	1366×768	16:9	1,049,088
<i>WSXGA or WXGA+</i>	1440×900	16:10	1,296,000
<i>SXGA+</i>	1400×1050	4:3	1,470,000
<i>WSXGA</i>	1600×1024	25:16	1,638,400
<i>WSXGA+</i>	1680×1050	16:10	1,764,000
<i>UXGA</i>	1600×1200	4:3	1,920,000
<i>WUXGA</i>	1920×1200	16:10	2,304,000
<i>QXGA</i>	2048×1536	4:3	3,145,728
<i>WQXGA</i>	2560×1600	16:10	4,096,000
<i>QSXGA</i>	2560×2048	5:4	5,242,880
<i>QSXGA+</i>	2800×2100	4:3	5,880,000
<i>WQSXGA</i>	3200×2048	25:16	6,553,600

QUXGA	3200×2400	4:3	7,680,000
WQUXGA	3840×2400	16:10	9,216,000
HSXGA	5120×4096	5:4	20,971,520
WHSXGA	6400×4096	25:16	26,214,400
HUXGA	6400×4800	4:3	30,720,000
WHUXGA Note 1: WXGA defines a range of resolutions with widths of 1280 to 1366 pixels and heights of 720 to 800 pixels.	7680×4800	16:10	36,864,000
Analog TV standard	Resolution	Aspect ratio	Pixels
PAL, SECAM	~350 × 576 lines	4:3	~201,600
PalPlus	~350 × 576 lines	16:9	~201,600
Undecoded PalPlus	~350 × 432 lines	16:9	~151,200
NTSC	~270 × 480 lines	4:3	~129,600
Laserdisc	~560 × 480 (NTSC)	4:3	~268,800
	~560 × 576 (PAL/SECAM)		~322,560
Betamax	~250(285 With SuperBeta) × 480 (NTSC)	4:3	~120,000 (~136,800)
	~250(285 With SuperBeta) × 576 (PAL/SECAM)		~144,000 (~164,160)
VHS	~240 × 480 (NTSC)	4:3	~115,200
	~240 × 576 (PAL/SECAM)		~138,240
SVHS	~400 × 480 (NTSC)	4:3	~192,000
	~400 × 576		~230,400

	(PAL/SECAM) 4:3		
Digital TV standard	Resolution	Aspect ratio	Pixels
Video CD	352 × 240 (NTSC)	4:3 (non-square pixels)	84,480
	352 × 288 (PAL)		101,376
UMD	480 × 272	~16:9	130,560
China Video Disc	352 × 480 (NTSC)	4:3 (non-square pixels)	168,960
	352 × 576 (PAL)		202,725
SVCD	480 × 480 (NTSC)	4:3 (non-square pixels)	230,400
	480 × 576 (PAL)		276,480
SDTV 480i, EDTV 480p	640 × 480	4:3 or 16:9	307,200
	704 × 480		337,920
	852 × 480		408,960
DVD	720 × 480 (NTSC)	4:3 or 16:9 (non-square pixels) 720 × 576 (PAL)	414,720
	720 × 576 (PAL)		345,600
HDTV, HD DVD, Blu-ray 720p	1280 × 720	16:9	921,600
HDTV, HD DVD, Blu-ray 1080p, 1080i	1920 × 1080	16:9	2,073,600
Digital film standard	Resolution	Aspect ratio	Pixels
Academy 4K	3656 × 2664	1.37:1	9,739,584
Digital cinema 4K	4096 × 1714	2.39:1	7,020,544
	3996 × 2160	1.85:1	8,631,360
Academy 2K	1828 × 1332	1.37:1	2,434,896
Digital Cinema 2K	2048 × 858	2.39:1	1,757,184
	1998 × 1080	1.85:1	2,157,840