Table 1. LCD Monitor Features

COMPANY	DELL	HEWLETT-PACKARD	HITACHI	IBM	NEC-MITSUBISHI ELECTRONICS DISPLAY OF AMERICA	SAMSUNG ELECTRONICS AMERICA
Product	UltraSharp 2001FP	L2035	CML200UXW B	ThinkVision L200p	NEC MultiSync LCD2080UX	SyncMaster 213T
Star rating	★★★★★	★★★★★	4.5 stars	4.5 stars	3.5 stars	4 stars
Web site	www.dell.com	www.hp.com	www.hitachidisplays.com	www.ibm.com/monitors	www.necmitsubishi.com	www.samsungusa.com/monitor
Phone				888.746.7426	888.632.6487	800.726.7864
Estimated street price	$999	$949	$999	$1,349	$1,699.99	$1,199
Warranty (labor/parts/backlight)	3/3/3	3/3/3	3/3/3	3/3/3; Rapid Replacement Service	3/3/3, limited	3/3/3
LCD type	TFT	TFT using Super IPS technology	TFT MVA LCD	IPS-TFT	TFT-Active Matrix	a-si TFT/PVA
Screen size (viewable, measured diagonal)	20"	20.1"	20.0"	20.1"	20.1"	21.3"
Aspect ratio	4:3	4:3	4:3	4:3	4:3	4:3
Pixel pitch (mm)	0.255	0.255	0.255	0.255	0.255	0.27
Native resolution (maximum)	1600X1200@60Hz	1600X1200@75Hz	1600X1200@60Hz	1600X1200@60Hz	1600X1200@60Hz	1600X1200@60Hz
1280X1024 support (no distortion)	VESA standard	Yes	Yes	Yes	Yes	Yes
1024X768 support (no distortion)	VESA standard	Yes	N/A	Yes	Yes	Yes
Brightness (vendor rated)	250cd/m^2	250 nits	250cd/m^2	250cd/m^2	250cd/m^2	250cd/m^2
Contrast (vendor rated)	400:1	400:1	500:1	400:1	350:1	500:1
Horizontal viewing angle (vendor rated)	±88	170	170	176	176	170
Vertical viewing angle (vendor rated)	±88	170	170	176	176	170
Horizontal range (vendor rated)	31-80KHz	30–94KHz	31–80KHz	31–94KHz	31.5–91.1KHz	30–75KHz analog and 30-64KHz digital
Vertical range (vendor rated)	56-76Hz	56–85Hz	31–75 Hz	56–85Hz	50–85Hz	56–75Hz
Panel depth	2.16"	approx 2.25" without stand	3"	3" (panel depth without stand)	3.5"	3"
Physical size (wXhXd), with stand	20" X 20" X 9"	21.4" X 8.2"	19.4" X 17.6" X 8.8"	18.4" X 18.6" X 10.2"	17.4" X 14.4" X 7.9"	18.6" X 18.0" X 8.7"
Weight (lb), with stand	15.4	26.4	22.5	20.9	23.1	11.2
Power consumption	90W (max)	69W (max)	70W	65W	54W	75W
Portrait/landscape pivot	Yes	Yes, with height adjustable stand	No	No	Yes	Yes
VESA wall mount option	Standard	Yes, 100 mm	Yes	100mm VESA standard	Yes	Yes
Interface	Analog/digital	Analog/digital/video	Analog/digital	Analog/digital	2 analog/2 digital	Analog/digital
Connections (D-sub; DVI-D)	DVI-D, VGA video inputs: S-Video and composite	1 D-sub, 1 DVI-I, 1 RCA, 1 S-Video	D-sub, DVI-I	15-pin D-sub, DVI-I	15-pin D-sub, DVI-I, DVI-D	D-sub, DVI-D
USB 2.0 hub	Yes, 4 downstream, 1 upstream	No, USB hub optional	No	No	No	No
Integrated speakers	No, optional Soundbar $39	No, optional	Speakers ship with product	No	No / Optional SoundBar80	No
Response time	16ms	16ms	25ms	25ms	25ms	25ms
Image controls						
On-screen control menu	Yes	Yes	Yes	Yes	Yes	Yes
Automatic image adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Brightness/contrast	Yes	Yes	Yes	Yes	Yes	Yes
RGB color adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Color control/matching system	No	No	Yes	Yes	Yes	Yes
Horizontal size/position	Yes	Yes	Yes	Yes	Yes	Yes
Vertical size/position	Yes	Yes	Yes	Yes	Not needed	Yes
Sharpness	Yes	Yes	N/A	Yes	Yes	Yes
Moiré reduction	No	No	N/A	Yes	N/A	N/A
Other	Picture-in-picture	Picture-in-picture	Yes, phase, clock	Language menu, on-screen display position, scaling, information	Expansion mode, video detect, DVI selection, on-screen menu, resolution notifier; and more	Yes, Gamma 1, 2, and 3
Image quality (rate 1–5; 5 is best)						
Brightness	5	5	5	5	5	5
Contrast	5	5	5	5	5	5
Focus	5	5	5	5	5	5
Purity	5	5	4.75	5	4.75	5
Geometric distortion	4.75	5	5	5	4.75	5
Raster rotation	5	5	5	5	5	5
Bad pixels	None apparent	None apparent	None apparent	None apparent	None apparent	None apparent
Interlace flicker	No	No	No	No	No	Slight
Smallest legible font size	6.8 points	7 points	7 points	7 points	7 points	8–9 points
LCD display streaking	None apparent	None apparent	None apparent	None apparent	None apparent	None apparent

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