

Table 1 LCD flat-panel display features

	AG NEOVO S19	CORNEA SYSTEMS CT1904
Star rating	4 stars	★★★★★
Web site	www.neovo.com	www.corneasystems.com
Estimated street price	\$899	\$799
Warranty (labor/parts/backlight)	36/36/36	36/36/36
LCD type	Active-matrix (MVA) TFT	Active-matrix (MVA) TFT
Screen size (viewable, measured diagonal)	19"	19"
Aspect ratio	4:3	4:3
Pixel pitch (mm)	0.294	0.294
Native resolution (maximum)	1280×1024	1280×1024
1280×1024 support (no distortion)	Yes	Yes
1024×768 support (no distortion)	Yes	Yes (Scaling)
Brightness (vendor-rated)	250 cd/m ²	260 nits
Contrast (vendor-rated)	500:1	500:1
Vertical/horizontal viewing angle (vendor-rated)	170°/170°	170°/170°
Horizontal range (vendor-rated)	30–80KHz	31–82KHz
Vertical range (vendor- rated)	50–75Hz	56–75Hz
Panel depth	2.5" (7.9" with stand)	0.8"
Physical size (w×h×d)	17.1" × 16.8" × 7.9"	17.3" × 17.8" × 9.5"
Weight (lb)	18	10.6 (net), 16.8 (gross)
Power consumption (watts)	<48; power saving mode <5	40
Portrait/landscape pivot	No	No
VESA wall mount option	Yes	Yes
Interface	Analog/digital/video	Analog/digital
Connections	D-sub/DVI-D/S-Video	D-sub/DVI-D
USB hub (2.0)	No	No
Integrated speakers	No	Yes
Image controls		
On-screen control menu	Yes	Yes
Automatic image adjustment	Yes	Yes, auto button on front
Brightness/contrast	Yes/yes	Yes/yes
RGB color adjustment	Yes	Yes
Color control/matching system	Yes/yes	Yes/yes
Horizontal size/position	Yes, automatic/yes	Yes/yes
Vertical size/position	Yes, automatic/yes	Yes/yes
Sharpness	Yes	Yes
Moiré reduction	No	No
Other	On-screen menu transparency and adjust, language, input select, recall, information, backlight	Language (5)
Image quality (rate 1–5; 5 is best)		
Brightness	5	5+
Contrast	5	5+
Focus	4.5	5
Purity	5	5
Geometric distortion	5	5
Raster rotation	5	5
Bad pixels	None apparent	None apparent
Interlace flicker	Very slight	None apparent
Smallest legible font size (points)	7	6.7
LCD display streaking	Very slight	Very slight

DELL COMPUTER	HEWLETT-PACKARD	HITACHI
Dell UltraSharp 1900FP	TFT2025	CML190B
★★★★★	4 stars	4 stars
www.dell.com	www.hp.com	www.hitachidisplays.com
\$799	\$1,399	\$799
36/36/36	36/36/36	36/36/36
Active-matrix TFT	TFT	Active-matrix TFT
19"	20.1"	19"
4:3	4:3	4:3
0.294	0.255	0.294
1280 × 1024	1600 × 1200	1280 × 1024
Yes	Yes	Yes
Yes	Yes	No
250 cd/m ²	250 nits	250 cd/m ²
500:1	350:1	500:1
170°/170°	170°/170°	170°/170°
30–80KHz	30–94KHz (analog)/ 30–92KHz (digital)	24–80KHz
56–76Hz	56–85Hz	56–75Hz
1.9" (8.2" with stand)	1"	2.3" (9.3" with stand)
16.4" × 17.2" × 8.2"	19.2" × 16.3" × 8.2"	17" × 17.6" × 9.25"
15.4	26.4	14.3
34–40	<70	54
No	No	No
Yes	Yes, 100mm	Yes
Analog/digital	Analog/digital + composite video, S-Video	Analog/digital
D-sub/DVI-D	D-sub/DVI-D	D-sub/DVI-I
No	Yes	No
No	No, stereo speakers optional	No
Yes	Yes	Yes
Yes	Yes, with front button control	Yes
Yes/yes	Yes/yes	Yes/yes
Yes	Yes	Yes
Yes/yes (ICM)	No/no	Yes/no
Not needed/yes	Yes/yes	Yes/yes
Not needed/yes	Yes/yes	Yes/yes
Yes	No	Yes
No	No	Yes
On-screen menu positioning, lock, and timer controls, clock and phase control	Serial number display, full screen resolutions, clock, clock phase, input selection, factory reset, monitor management, recall, audio recall, video PIP	Clock, phase, language, recall, on-screen menu position
5	5	5
5	4.5	5
5	5	5
5	5	4.55
5	5	5
5	5	5
None apparent	None apparent	None apparent
None apparent	Very slight at times	None apparent
7	7	6.7
None apparent	None apparent	None apparent

Table 1 LCD flat-panel display features

	IYAMA NORTH AMERICA Pro Lite 5131	NEC-MITSUBISHI ELECTRONICS DISPLAY OF AMERICA MultiSync LCD 1920NX
Star rating	4 stars	4 stars
Web site	www.iyama.com	www.necmitsubishi.com
Estimated street price	\$1,725	\$849.99
Warranty (labor/parts/backlight)	36/36/36	36/36/36
LCD type	MVA TFT	Active-matrix MVA TFT
Screen size (viewable, measured diagonal)	20.1"	19"
Aspect ratio	4:3	5:4
Pixel pitch (mm)	0.255	0.294
Native resolution (maximum)	1600×1200	1280×1024
1280×1024 support (no distortion)	Yes	Yes
1024×768 support (no distortion)	Yes	Yes
Brightness (vendor-rated)	250 cd/m ²	250 cd/m ²
Contrast (vendor-rated)	600:1	500:1
Vertical/horizontal viewing angle (vendor-rated)	170°	170°/170°
Horizontal range (vendor-rated)	24.8–80KHz	31.5–80KHz
Vertical range (vendor-rated)	56–85Hz	56–75Hz
Panel depth	3" (9.5" with stand)	2.7" (8.1" with stand)
Physical size (w×h×d)	18.3" × 16.7" × 9.5"	17.1" × 16.7" × 8.1"
Weight (lb)	22	14.3 (17.6 with stand)
Power consumption (watts)	70	38
Portrait/landscape pivot	Yes	No
VESA wall mount option	Yes	VESA 100×100mm mounting compliant
Interface	Analog/digital	Analog/digital
Connections	2× DVI-I	D-sub/DVI-D
USB hub (2.0)	Yes (2.0)	No
Integrated speakers	No, stereo speakers optional	No
Image controls		
On-screen control menu	Yes	Yes
Automatic image adjustment	Yes	Yes
Brightness/contrast	Yes/yes	Yes/yes
RGB color adjustment	No	Yes
Color control/matching system	No/no	Yes/yes
Horizontal size/position	Yes/yes	Yes/yes
Vertical size/position	Yes/yes	Yes/yes
Sharpness	Yes	Yes
Moiré reduction	No	No
Other	Clock, phase, gamma, economy mode, zoom	Smoothing
Image quality (rate 1–5; 5 is best)		
Brightness	5	5
Contrast	5	4.75
Focus	5	5
Purity	5	4.5
Geometric distortion	5	5
Raster rotation	5	5
Bad pixels	None apparent	None apparent
Interlace flicker	None apparent	Yes, at times
Smallest legible font size (points)	6.7	6.7
LCD display streaking	Very slight at times	None apparent



**SAMSUNG ELECTRONICS
AMERICA**

SyncMaster 191T

4 stars
www.samsungusa.com

\$1,059

36/36/36

TFT/PVA

19"

4:3

0.294

1280×1024

Yes

Yes

250 cd/m²

500:1

170°/170°

30–81KHz

56–85Hz

1"

16.4" × 17.7" × 8.2"

13

41

No

Yes

Analog/digital

D-sub/DVI-D

No

No

Yes

Yes

Yes/yes

Yes

Yes/Natural Color Software

Yes/yes

Yes/yes

Yes

Yes

—

5

5

5

4.75

5

5

None apparent

Yes, at times

7

Yes, at times

VIEWSONIC

VX900

4.5 stars

www.viewsonic.com

\$799

36/36/36

Active-matrix TFT

19"

4:3

0.294

1280×1024

Yes

Yes (scaled)

250 cd/m²

500:1

170°/170°

30–82KHz

50–85Hz

2.6"

18.7" × 17.4" × 7.1"

16.7

46

No

Yes

Analog/digital

D-sub/DVI-D

No

Yes, 2×3 watt

Yes

Yes

Yes/yes

Yes

Yes/yes

Yes/yes

Yes/yes

Yes

No

Fine-tune

5

5

5

4.75

5

5

None apparent

None apparent

6.7

None apparent