

### DISPLAY TECHNOLOGY COMPARISON

	DLP	LCD	Plasma	LCOS	RP LCD	RP CRT	CRT
<b>Contrast</b>	High	Low	Medium	Medium	Low	High	High
<b>Longevity (hours)</b>	8-10k (lamp)	50-75k***	25-30k	80k+	8-10k (lamp)	80k+	80k+
<b>Burn-in</b>	No	No	Yes	No	No	Yes	Low Risk†
<b>Viewing Angle</b>	140-180°	120°	180°	140-180°	60-140°	60-140°	180°
<b>Fully Digital Display</b>	Yes	Yes	Yes	Yes	Yes	No	No
<b>Max Resolution</b>	1280 x 720	1280 x 1024	1920 x 1080	1920 x 1080	1280 x 1024	720p 1080i+	720p 1080i+
<b>Weight (lbs)</b>	15-300	20-100	50-150+	100-120	100-120	100-200+	60-300
<b>Set Depth</b>	16" - 20"	2"	3-6"	24" - 30"	13" - 20"	24" - 30"	16" - 30"
<b>Screen Size</b>	43" - 61"	1" - 57"*	30" - 76"*	42" - 80"	42" - 70"	42" - 65"	9" to 40"
<b>Power consumption</b>	Medium	Low	Medium	Medium	Low	High	High
*Fairly new HD2+ development noticed at CES 2004 *** Expected LCD backlight lifespan † Fixed images can result in burn-in over long-term (unusual)							

DISPLAY TYPE	PICTURE QUALITY	PRICE	PRO	CON
Direct-View CRT	Brightness: 7 Contrast: 9 Color Accuracy: 9 Resolution: 5 <b>Overall: 7</b>	\$-\$\$\$	Very sharp and bright, high contrast, good picture view from side, low cost, handles regular analog broadcast channels well, no moving parts.	Heavy and bulky, limited in size to about 36", picture can fade and burn-in.
CRT projection			Low cost, large screens possible, no moving parts.	Heavy and bulky, limited viewing angles, visible scan lines, color convergence can be a problem, picture can fade and burn-in.
Direct-view LCD	Brightness: 5 Contrast: 6 Color Accuracy: 6 Resolution: 6 <b>Overall: 6</b>	\$\$\$-\$\$\$\$	Bright, sharp picture, light and compact, can hang on wall, solid state, no moving parts.	Expensive, pixels viewable with large screens, picture can fade over time, slow pixel response time can cause motion blurs.
LCD projection			Fairly bright, large screens possible, sharp picture, no moving parts	More expensive, some pixel viewable, prone to heat damage, projector bulb can fail
Plasma	Brightness: 5 Contrast: 6 Color Accuracy: 6 Resolution: 7 <b>Overall: 7</b>	\$\$-\$\$\$\$	Bright picture, light and compact, can hang on wall, wide viewing angle, no moving parts, handles fast motion really well.	Expensive, some viewable pixels, display gets warm and can burn-in.
DLP projection	Brightness: 6 Contrast: 7 Color Accuracy: 8 Resolution: 6 <b>Overall: 7</b>	\$\$\$-\$\$\$\$	Bright, sharp picture, high contrast, no viewable pixels, reflective system won't burn-in	Expensive, some visual "rainbow" effects, limited availability, projector bulb can fail
LCoS projection	Brightness: 5 Contrast: 6 Color Accuracy: 6 Resolution: 6 <b>Overall: 6</b>	\$\$\$-\$\$\$\$\$	Bright, sharp picture, no viewable pixels, very high resolution, won't burn-in.	Expensive, limited availability, lower contrast, projector bulb can fail

Picture Quality scale 0-10 poor to excellent.

Price \$= inexpensive to \$\$\$\$\$ very expensive