Technical Bulletin

Date: February 4, 2013

Topic: Performance of modified LCD panels versus standard LCD panels.

Background: FSN Medical Technologies constantly looks for ways to upgrade its products. We have developed a process, seeking to improve picture quality, and applied it to our LCD displays.

Result: These modified LCD panels show an improvement in contrast ratio and brightness, plus improved humidity resistance and breakage resistance.

Comparison item: Brightness, white

	Standard LCD (cd/m ²)	Modified LCD (cd/m²)
Dark room	450	513
Indoor office	450	543
Outdoors	460	518

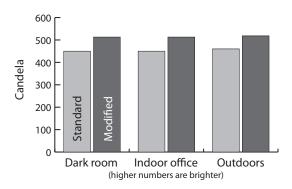
Comparison item: Brightness, black

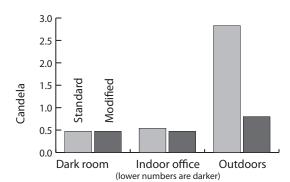
	Standard LCD (cd/m ²)	Modified LCD (cd/m²)
Dark room	0.47	0.47
Indoor office	0.54	0.47
Outdoors	2.83	0.80

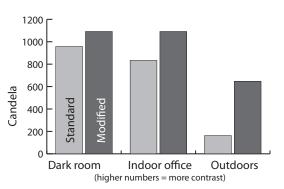
Comparison item: Contrast ratio

	Standard LCD (cd/m ²)	Modified LCD (cd/m²)
Dark room	957.4:1	1091.5:1
Indoor office	833.3:1	1091.5:1
Outdoors	162.54:1	647.50:1











This technical bulletin is published for general informational purposes only. While the information in this technical bulletin is believed to be accurate and reliable, it is presented without guarantee or responsibility on the part of FSN Medical Technologies. All data given here is offered as a guide to the use of these products and not as a guarantee of their performance. The user should evaluate their suitability for own purposes. Properties are typical and should not be used in preparing specifications.