

AU Optronics Unveils Taiwan's First 65-inch FHD 120Hz LCD TV Display

AU Optronics unveiled Taiwan's first 65-inch Full HD 120Hz LCD TV panel, claiming it to be the world's second able-to-be-commercialized 65-inch LCD panel, and to reach CRT- and Plasma-like image quality in motion picture response time. AUO's successful launch of its 65-inch LCD panel demonstrates Taiwan-based panel maker's epoch-making capability of producing larger than 60-inch LCD TV panels.



AUO's 65-inch Full HD LCD TV display is equipped with HDTV 1920x1080 high resolution, ASPD 120Hz driving technology for motion blur reduction, AMVA*1 superior wide-viewing angle technology, and HiColor saturation technology. With ASPD double frame rate 120Hz technology, AUO's 65-inch LCD TV panel has achieved a faster response time of 4 ms gray-to-gray and 8 ms MPRT*2, allowing for excellent motion picture quality display. It also features AUO AMVA technology for color washout improvement at large viewing angles, HiColor technology for wide color gamut of NTSC 92%, high contrast of 2000:1, true 10 bit gray scale for better image processing quality in displaying billions of colors (1073.7M), 64 times better than 8 bit color depth performance. The end results in excellent display quality performance.

"It is expected that large-sized LCD TVs with features of Full HD, high resolution, and double frame rate 120Hz will go mainstream," said Dr. David Su, Sr. VP & GM of TV Display / Consumer Product Display Business Groups of AUO. "With the addition of 65-inch Full HD panels, AUO is able to offer customers TV panels featuring Full HD and ASPD 120Hz driving technology in the sizes of 42-, 46- and 65-inches."

Two 65-inch panels can be economically cut via AUO's G6 fabs in the Lungke Science Park and the Central Taiwan Science Park, and it is estimated that mass production will commence in 3Q07.

*1 AMVA stands for AUO Advanced MVA technology

*2 MPRT stands for Motion Picture Response Time

Specification of AUO 65-inch FHD LCD TV Panel (T645HW01)

Resolution	HDTV (1920 x 1080)
Frequency	120Hz
Viewing Angle (H / V)	178° / 178°
Response Time (ms)	4 (gray to gray)
Contrast Ratio	2000:1
Color saturation	92% NTSC
Number of colors	1073.7M (10 bit)
Backlight	CCFL
Brightness (cd/m2)	500



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