

AUO showcases premium 3D surgical display solutions at Healthcare Expo Taiwan

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Demonstrating AUO's accumulated strengths over the years to help accelerate the transformation of the medical care industry



As part of its focus on the smart medical care sector, Taiwanese firm AUO showcased its premium 3D surgical display solutions at the Healthcare Expo Taiwan at the Nangang Exhibition Center in Taipei from December 3-6.

These AUO-developed solutions include the 32-inch 4K polarized 3D display solution integrated with MedicalTek's world-leading 3D endoscope and minimally invasive surgery (MIS) visualization system, and a 15.6-inch 4K naked-eye 3D display with AUO's proprietary eye-tracking system for use in surgery rooms.

The 32-inch 4K polarized 3D display solution represents an integration of AUO's latest 3D display technology with the advanced 2D-to-3D stereoscopic endoscopy visualization technology developed by MedicalTek. Its use with MedicalTek's DARWIN@3D endoscopy visualization system provides physicians with stereoscopic imagery that incorporates depth of view information. The improvement to hand-eye coordination effectively enhances the precision and quality of minimally invasive surgeries. The 15.6-inch 4K naked-eye 3D display also developed for use in surgery rooms incorporates AUO's proprietary eye-tracking system to effectively increase the 3D field of view and image quality. Physicians can then view crystal-clear 3D imagery from different angles during surgery without wearing 3D glasses to quickly establish the relative position and depth of organs and tissues.

AUO's medical-grade mini LED driver technology with the highest zone-count, along with advanced Deep Red technology for optimised display of red colours provide physicians with the most realistic colours and details. Improved distinction between minute differences in human body tissue and blood will help physicians make more accurate judgment. To meet the infection prevention and control needs in non-contact or multi-field applications in the post-pandemic era, AUO's high resolution, low reflection and touch technologies have now been applied to a range of All-in-One (AIO) hygienically-designed medical panel

computers and monitors launched by ADLINK, the global leader in industrial computers.

AUO is focusing on the smart medical care sector and actively investing in the development of user-centric medical-grade displays that solve the pain points of users in the field. AUO is now one of the top three global suppliers for applications such as medical-grade displays and X-ray sensors, with products extensively adopted by international medical device makers.