

# Ampronix's advanced ultra-high definition technology facilitates cutting-edge medical imaging

The medical industry is in the throes of entering a new epoch in imaging technology. Healthcare professionals are upgrading to ultra-high definition 4K resolution as the innovative technology provides four times the clarity than that of high definition. Typically, diagnostic and surgical procedures are guided via information gleaned from various imaging procedures. With so much weighing on these scans, the ultimate goal is to obtain unparalleled picture quality punctuated by incomparable clarity.

Our variety of UHD display options from major brands including Barco, Sony, NDS, LG, and Eizo provide clients with a variety of smart choices. For those balancing prudent budgets that include improvements to equipment, Sony's LMD-X55MD offers affordability, efficiency, and versatility. Available in 31 inches, its slim, ergonomic design and splash proof covering will improve any operating room.

In addition to a sleek exterior, the surgical monitor is equipped with Sony's OptiContrast technology and original Advanced Image Multiple Enhancer, which allows users to visualize images without glare or reflection. The LED backlit monitor features Quad View Mode and a user-friendly interface, which allows users to view up to four images simultaneously, manipulate images via image mirroring as well as allowing users to take advantage of side-by-side comparison, picture-in-picture, and picture-out-picture.

In minimally invasive surgeries, large displays play an integral role in facilitating the visual components necessary to perform procedures. The HYBRIDPIXX, an Ampronix original UHD 4K display recently made public, is unrivaled in image quality as it is equipped with our patented 4KBoxx.

The HYBRIDPIXX 4KBoxx video manager gives physicians the ability to select desired images and exhibit them in various layouts on the UHD display. Beneficially, hundreds of potential layout options offer a multitude of customization possibilities. With the ability to input up to 27 analog or digital signals, the HYBRIDPIXX is an ideal candidate for large scale viewing and multi-screen monitoring.

Those interested in adopting UHD 4K technology ought to consider endoscopic camera options, which will vastly improve the visual aspect of minimally invasive surgeries. These



cameras have the ability to exhibit vibrant and clear images of internal structures to any UHD 4K display. Currently, Panasonic's 4K Ultra HD 3MOS Camera is the smallest 4K camera head available.

Panasonic's 4K camera has the ability to capture images in 3D and edit with tools to zoom-in and crop. The colour enhancement technology and video processor offers outstanding image reproduction and colorization capabilities. The camera has maximized connectivity with an output of up to 1600 lines, a resolution of 3840 x 2160 at 60p, and dual channel outputs.

The shift towards UHD 4K technology is quickly becoming a medical industry standard. Ampronix is proud to be at the forefront of leading technological shifts by equipping healthcare providers with only high caliber products. Moving forward, the company will be stocked with UHD 4K recorders from brands like Panasonic and Sony, slated for release in the upcoming months.

## About Ampronix

Ampronix is a renowned authorized master distributor of the medical industry's top brands as well as a world class manufacturer of innovative technology. Since 1982, Ampronix has been dedicated to meeting the growing needs of the medical community with its extensive product knowledge, outstanding service, and state-of-the-art repair facility. Ampronix prides itself on its ability to offer tailored, one-stop solutions at a faster and more cost effective rate than other manufacturers. Ampronix is ISO 13485:2003, ISO 9001:2008, and ANSI/ESD S20.20-2014 certified.

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