

## Canon Medical Introduces Aquilion One



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### EMPOWERING PHYSICIANS WITH DEEP INTELLIGENCE TO ENABLE ROUTINE CONFIDENT DIAGNOSIS

Combining the power of Canon Medical's Advanced intelligent Clear IQ Engine (AiCE) with Deep Learning Spectral Reconstruction imaging capabilities, [Canon Medical Systems Europe B.V.](#) introduces the Aquilion ONE / PRISM Edition, a spectral CT system designed for deep intelligence. The advanced system integrates artificial intelligence (AI) technology to maximize conventional and spectral CT capabilities and automated workflows while providing intelligent clinical insights to assist physicians in making more informed decisions across the patient's care cycle.

The Aquilion ONE / PRISM Edition offers opportunity for innovation within medical imaging with the power to illuminate clinical insights and initiate business opportunities designed to improve patient outcomes. Features on this advanced system include:

- Advanced intelligent Clear-IQ Engine (AiCE) Deep Learning Reconstruction (DLR): An innovative approach to CT reconstruction that uses deep learning to distinguish true signal from noise to deliver sharp, clear and distinct images at fast speeds. Trained using vast amounts of high-quality image data, AiCE provides enhanced anatomical resolution across the whole body including brain, lung, cardiac and musculoskeletal scans.
- Deep Learning Spectral Imaging: Canon Medical's unique rapid kV switching scan method provides pure energy datasets combined with full field of view acquisitions, patient-specific mA modulation and whole-body coverage. The Deep Learning Spectral Reconstruction algorithm results in low and high kV datasets having identical temporal and spatial information for optimal spectral analysis. The fully integrated end-to-end workflow is easy to use and can be incorporated into routine protocols, enabling physicians to make a faster and more confident diagnosis.
- All new CT Fluoroscopy (CTF) Interface: Conduct fast, focused interventional procedures with our new hybrid CTF interface that enables one-person operation thanks to ergonomically designed controls and a versatile touchscreen tablet.

"The intelligent technologies that make up the Aquilion ONE / PRISM Edition give healthcare providers the clinical confidence they need to reach new heights – from both a clinical and business perspective," said Roy Verlaan, Senior Manager, CT Business Unit, Canon Medical Systems Europe B.V. "Canon Medical's deep learning reconstruction technology is pushing routine diagnostic imaging into the age of AI assisted imaging, revolutionizing patient care by enabling improved diagnostic confidence. We are committed to delivering products that aren't just a glimpse into the future of imaging – they are the future of imaging."

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For more information about Canon Medical's premium CT technology click [HERE](#).

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