

# - IQon, Incisive, iCT

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# **IQon Elite Spectral CT**

CT scanner

As the world's first and only detector-based spectral technology, Philips IQon Elite Spectral CT is the only dual-energy solution that provides layers of true spectral data, without compromise. IQon delivers confident decision making, innovative analytics, and uncompromised workflow that dramatically impact patient management and economic outcomes.



# Features



## Diagnostic certainty

With IQon Elite Spectral CT, true conventional CT images are paired with layers of spectral results in the same scan. Suddenly, what had been invisible is now both visible and diagnostic. IQon Elite Spectral CT's improved tissue characterization and visualization provides diagnostic certainty far beyond that of conventional CT.



## Every scan is a spectral scan

Only IQon Elite Spectral CT eliminates the need for upfront clinical decision-making through the revolutionary NanoPanel Prism detector. With detector-based spectral technology, only IQon Elite Spectral CT solves the pre-scan dilemma—delivering the certainty of true spectral data in every single scan.



## Powerful advancements that fit your workflow

With no special training or separate scanning modes required, IQon Elite Spectral CT integrates seamlessly into your current workflow practice to help you establish a new, spectral standard of care. Utilizing tools that enable on-demand, simultaneous viewing and quick comparison of multiple spectral results from a single region of interest, clinicians have easy access to rich data that can improve confidence in findings.



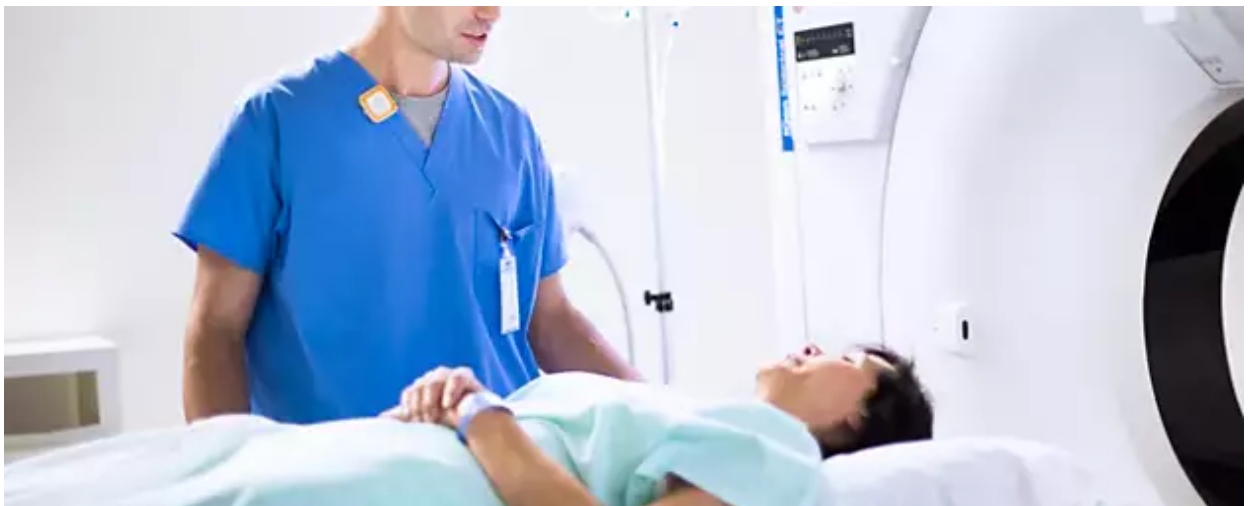
## HyperSight Elite Spectral Reconstructor

Designed to address the needs of high throughput and emergency care settings, our the IQon Elite Spectral CT's Elite Spectral Reconstructor enables routine spectral imaging of up to 200 patients in a 16-hour shift.



## Calcium Suppression

This spectral result provides images that provide additional information to the clinician that may help in better assessment of intervertebral disc herniation, and allows for better visualization of bone marrow pathology.



## Electron Density

This spectral result provides images that are created using a dedicated algorithm to estimate the electron density of each voxel, helping to enhance tissue characterization and enabling a new level of diagnostic certainty for oncology clinicians and their patients.

# Specifications

## Features

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|                                   |  |
|-----------------------------------|--|
| Generator power                   | 120 kW   |
| Slices                            | Up to 256  |
| Coverage                          | 40 mm  |
| Rotation speed                    | 0.27 sec   |
| Maximum scannable range           | 2,100 mm   |
| Bore size                         | 700 mm   |
| Conventional reconstruction speed | iDose4: majority of reference protocols under 1 minute<br>IMR: majority of reference protocols under 3 |
| Spectral reconstruction speed*    | 3-5 minutes for the majority of cases, enabled by HyperSight Elite Spectral Reconstructor              |
| Spectral temporal resolution      | Simultaneous in the same time and space  |

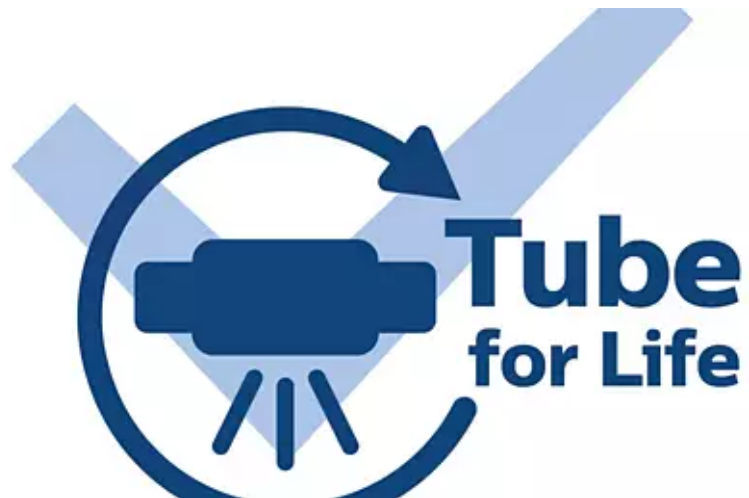
# CT 5100 Incisive

## Computed Tomography Scanner

Philips CT 5100 Incisive is the latest addition to the Philips CT portfolio; conquering challenges and delivering intelligence that adapts to you. Now harnessing the power of Artificial Intelligence (AI) deeply embedded into the CT system and its applications, clearing the way for precision in dose, speed, and image quality, helping you apply your expertise to the patient, not the process.



# Features



## Tube for Life guarantee

Our Tube for Life guarantee<sup>1</sup> is an unprecedented approach that can help lower operating costs by an estimated \$420,000<sup>2</sup>. We believe so strongly in the reliability of the vMRC tube that we'll replace it if necessary, over the life of the system<sup>1</sup> at no cost to you.



## Low Total Cost of Ownership

What if you no longer had to worry about tube costs in your day-to-day operating budget? What if you knew your CT system always had up-to-date technology and was upgradeable to grow with you? We're bringing new ways to help you stay competitive in your market, managing operational costs while you work to optimize patient care.





## OnPlan patient-side gantry controls

Minimize time spent away from the patient with new OnPlan patient-side gantry controls. Do more directly from the scanner, such as setup and pre-scan adjustments. Enable inter-operator consistency and reduce time with adaptive intelligence at every step of the exam \*.



## Precise Image

Precise Image puts the power of a deep-learning neural network to work for you for dramatic reductions in dose and image noise, a significant increase in low-contrast detectability, and reductions in reading time. Precise Image reduces dose by up to 80%, lower noise by 85% and improve low contrast detectability by 60% to improve diagnostic confidence while providing excellent patient care.



## Precise Position – AI- enabled automatic patient positioning

Inaccurate patient positioning is a common and documented challenge in CT imaging, which can lead to unwanted consequences such as increased patient dose and image noise. With Precise Position \* An AI-enabled camera supports automatic patient positioning for significantly increased positioning accuracy and user-to-user consistency in a fraction of the time. \* Based on Philips in house assessment by five clinical experts, comparing manual versus Precise Positioning in 40 clinical cases using a human body phantom.



## Precise Cardiac – AI- powered motion-free cardiac

Motion has long been a challenge in cardiac imaging, especially at high heart rates. Used prospectively or retrospectively, Precise Cardiac corrects for motion in cardiac images to improve image quality at high heart rates.



## Precise Intervention

With Precise Intervention, needle guidance enhances workflow for confident interventional CT procedures. Automatically calculate depth, angle, tip-to-target and deviation from plan, enhancing the speed and efficiency necessary for quick and confident interventional procedures. In addition to Precise Intervention, OnPlan gantry controls provide workflow flexibility to the interventional radiologist.



## Brings predictability to an unpredictable world

Designed for serviceability and reliability, CT 5100 Incisive brings reassuring predictability to you. With 24/7 proactive monitoring, Philips helps you solve problems before they can impact your day-to-day operations while remote services allows for rapid resolution of issues without the need for on-site service. Our innovative set of proactive services aim to continuously support your system remotely without interrupting your daily routine.

# CT 6000 iCT

## CT Scanner

The Philips CT 6000 iCT solution enhances your patient care with comprehensive capabilities and advanced tools for high quality, low-dose cardiovascular imaging, enhancing diagnostic confidence and helping you to optimize value for your investment.



# Features

## Lower dose with higher image quality\*

With Philips IMR you can simultaneously achieve 60–80% lower dose, 43–80% improved low-contrast detectability, and 70–83% lower noise.\* IMR gives you confidence through enhanced visualization of fine detail.

## Advanced procedures made routine and fast

Philips iPatient is an advanced platform that puts you in control of your CT system today, while preparing you for the challenges of tomorrow. This allows you to plan the results, not the acquisition. It also gives you confidence and consistency 24/7

## Low noise at low-energy and low-dose

The NanoPanel<sup>3D</sup> detector uses direct integration technology to reduce image noise at low energy and low dose. Its miniaturization and integration capabilities provide a low-noise, high-fidelity signal which results in a marked image noise improvement. Also, is scalable up to 8 cm of z-axis detector coverage.

## Begin reading early

Access, review, analyze, diagnose, and present images quickly, efficiently, and collaboratively with the latest technology with a single advanced visualization solution. It works across clinical specialties, across modalities, and across your enterprise.

## Future-proof platform

We understand how critical it is to elevate quality and efficiency in your daily work routine and we know that no two practices are alike. This is why we developed a customizable premium approach to the iCT family of scanners.

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