
PHILIPS
Smart. Simple. Spectral.
Verida*
Spectral CT
*Pending 510(k). Not available for sale in the USA.

# Smart.

## AI-enabled Verida delivers high-quality images without the hardware complexity

It's the patient outcome that counts. Verida is the next generation CT system that combines detector-based spectral imaging with an AI-driven imaging chain for high image quality. Now a single low-dose CT scan provides both anatomical and functional insights to tackle complex diagnostic questions, from in-stent restenosis to subtle lesions in oncology and emergency imaging.

Go beyond anatomy with AI-powered imaging

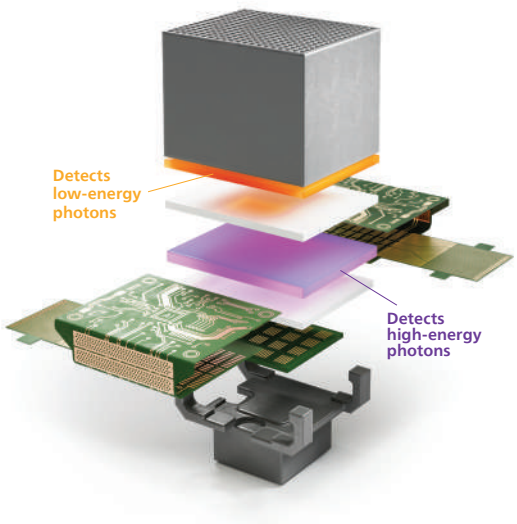
See spectral results in seconds – use them 100% of the time

Invest wisely from the start


# Bring the power of spectral to everyday practice

Philips was first to market[1] with a detector-based spectral CT system, redefining what's possible in CT imaging. Verida offers deep integration of spectral imaging within the scan, reconstruction and reporting process. With a wide range of spectral applications, Verida delivers functional insights that help you quickly get patients on the right care path, potentially avoiding the need for further scans from other modalities.[2]

# Go beyond anatomy with AI-powered imaging




## Third-gen NanoPanel Prism Precise detector designed for AI

With AI driving the entire imaging chain, from the third-generation NanoPanel Prism Precise detector to Spectral Precise Image, Verida provides fast, functional and precise results in one efficient CT examination. Streamline the diagnostic process from acquisition to image reading.

## Spectral Precise Image for AI reconstruction

This multi-pass denoising deep learning reconstruction is our newest AI-powered reconstruction engine. It helps achieve high image quality, while preserving small anatomical details for the image resolution to address the most challenging diagnostic questions.

**136%**
**more contrast** in images at 80% lower noise and low radiation dose[3]

# Simple.

## See spectral results in seconds — use them 100% of the time

Verida keeps workflows moving when time matters, to support high-throughput hospitals. It facilitates spectral adoption end-to-end, from spectral clinical insights in any scan to zero-click reconstruction for all spectral results and Spectral Magic Glass for spectral results on PACS.

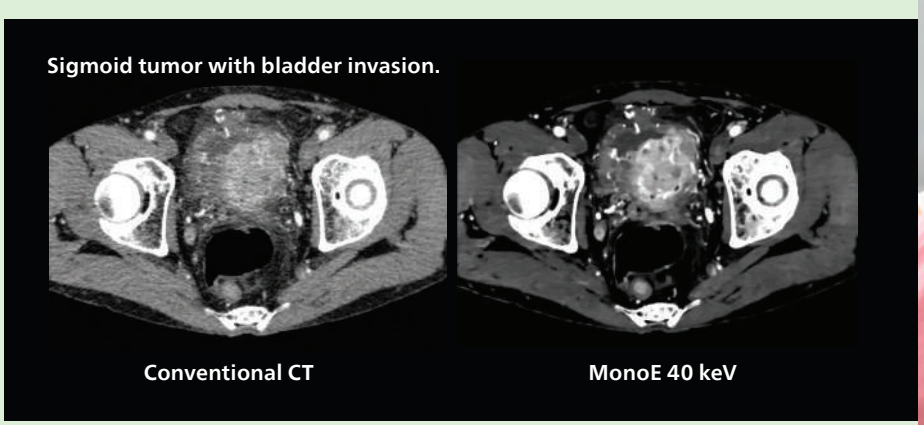
**2x faster**
**recon time[4]**

## Spectral is now routine

**Zero-click spectral reconstructions** without delay[3]

**Up to 145 images/sec** because every second counts[3]

**Spectral results 100% of the time**, directly within routine workflow[3]




Comparison of conventional reconstruction (left) and MonoE 40 keV with Spectral Precise Image (right).

# Spectral.

## The right data, accessible right now

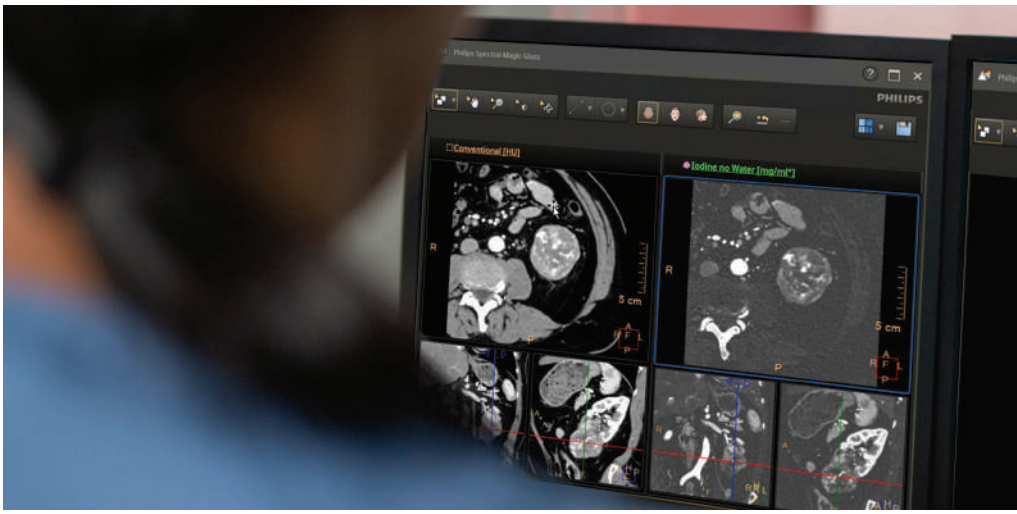
Spectral Magic Glass on PACS sets a new standard for reading spectral data on PACS. Access full spectral datasets right at the point of care.

**No dedicated workstations**

**No manual steps**

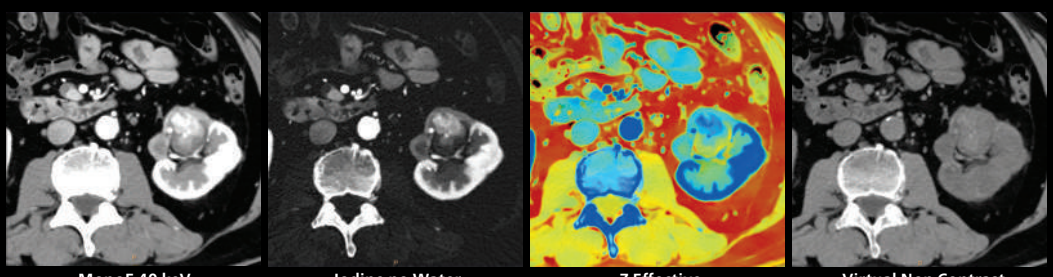
**No disruption** to current workflow

**Fits smoothly** into exisiting IT and clinical ecosystems




With Spectral Magic Glass on PACS, results are easy to access and interpret, without the need for special workstations.

**Spectral CT of the left kidney in a patient with renal cell carcinoma**



MonoE 40 keV | Iodine no Water | Z Effective | Virtual Non Contrast

Spectral results reconstructed with Spectral Precise Image.

# Invest wisely from the start

Verida is built to deliver long-term value – right from the start. Its AI-driven simplicity makes spectral imaging easy to adopt and use every day. With potential reduction in the use of contrast media and reduced need for follow-up tests,[2] detector-based spectral imaging helps support faster return on investment.

## Maintain system performance, sustainably

Designed for high throughput and efficient workflow, Verida is supported by AI remote services for proactive monitoring that helps optimize power consumption and manage X-ray tube usage. This aids in maintaining system performance and potentially extends equipment lifespan while reducing operational cost.

**45%**
**less energy used allows for sustainable scans[5]**


## General specifications

**Generator power**
120 kW

**Coverage**
80 mm

**Maximum scannable range**
Axial: 2310 mm
Helical: 2250 mm

**Reconstruction speed**
Conventional: 145 ips
Spectral Precise Image: 111 ips

**kVp stations**
Conventional: 80, 100, 120, 140
Spectral: 100 (option), 120, 140

**Physical detector rows**
256

**Slices**
512

**Temporal resolution**
12.3 ms eff.

**Bore size**
800 mm

**Spectral temporal resolution**
Simultaneous in same time and space


**References**

1. Philips IQon Spectral CT launched in 2016. Siemens NAEOTOM Alpha was introduced in 2021.
2. Philips internal documentation. Results from case studies are not predictive of results in other cases. Results in other cases may vary.
3. In-house phantom data. In clinical practice, the use of Spectral Precise Image may reduce CT patient dose depending on the clinical task, patient size and anatomical location. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. Dose reduction assessments were performed using a reference body protocol.
4. Compared to the previous-generation Philips spectral CT system.
5. Based on axial body 3D scan with 80% dose reduction. Energy-savings for system preparation is not included.

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