

Data sheet

syngo.via View&GO

Software version VA30A

siemens-healthineers.com/syngo.via-view-and-go



Maximize your patient throughput. Speed up your daily routine.

syngo.via View&GO

syngo.via View&GO is your intuitive multimodality reading and viewing solution. It is your smart access to speed up your daily routine equipped with a wide range of expert tools for confident clinical decision making and it is cleared for diagnostic use.

For additional flexibility, syngo.via View&GO is available as an independent standalone software-only solution with the same tools known from the CT View&GO application from the go.platform scanners and reading environment.

It is easily downloaded, self-installed, and ready to use on your own hardware¹. Additionally, it provides the ideal performance boost for your SOMATOM go. scanner.

syngo.via View&GO drives performance and simplicity in your usual work style. You can start reading straight away and evaluate your studies with ease – located in one familiar and intuitive environment known from CT View&GO.

Furthermore, syngo.via View&GO can be utilized as a post-processing workstation for advanced radiographic applications available on Multitom Rax. The data generated by Multitom Rax during Real 3D or True2scale Body Scan acquisitions can easily be processed on your syngo.via View&GO to receive volumetric images for patients in standing or lying position (Real 3D) or stitching-free images dedicated to the assessment of body axes (True2scale Body Scan).

Free version of syngo.via View&GO now available

A free-of-charge version of syngo.via View&GO is now available on the Siemens Healthineers Digital Marketplace. Experience all of syngo.via View&GO's capabilities with three free cases per day before you decide to purchase! The download is available to both current and new customers though not yet in all countries. All you need is to create a free Digital Marketplace account and start the installation!

¹ In combination with Multitom Rax, syngo.via View&GO is always bundled with hardware delivered by Siemens Healthineers.

syngo.via View&GO Clinical Packages

For maximum flexibility, syngo.via View&GO offers different clinical packages making the basic functionalities of the product price-efficient while offering interesting tools in optional clinical packages.

Users can benefit from these basic functionalities with the “Base Package” and extend them with the “Extension Package” which can be ordered on its own or as an enabler for the Clinical Packages.

Base Package
As an all-in-one, multi-modality viewing solution, syngo.via View&GO provides a wide range of clinical tools for smooth reading in just one workflow.
Customizable user interface, through a Favorite Toolbox
Single window
Multiple window settings for multi-image display
Window width and center freely selectable
Organ-specific Window / Window UI settings, e.g., for soft tissue and bones
Image zoom and pan
Home Position
Fusion
Multiphase Data Support
Synch tool with the possibility to configure the actions which should be synchronized
Registration mini toolbar for image fusion tools (Visual Alignment and Automatic Registration for orthopedic measurements)
Evaluation of MR studies with the analysis tools Subtraction and ADC & b-value
Parallel evaluation of more than 10 Regions of Interest
<ul style="list-style-type: none"> • Circle • Irregular • Polygonal
Statistical evaluation
<ul style="list-style-type: none"> • Area / volume • Standard deviation • Mean value • Min./max. values
Profile cuts
<ul style="list-style-type: none"> • Horizontal • Vertical • Oblique
Distance measurement
Angle measurement
With the Angle on Stack tool you can additionally measure angles across different image planes.

Online measurement of a 5 x 5 pixel size ROI
Freely selectable positioning of coordinate system
Crosshair
Image annotation and labeling
Flip Tool
Save as non-DICOM
Filming, postscript printing and non-DICOM printers are supported.
Real-time MPR
<ul style="list-style-type: none"> • Real-time multiplanar reformatting of secondary views • Variable slice thickness (MPR thick, MPR thin) and distance with configurable default values • Viewing perspectives <ul style="list-style-type: none"> - Sagittal - Coronal - Oblique - Double oblique - Freehand (curvilinear)
Endoscopic View
Virtual Endoscopy software enabling visualization of airways, intestines and fluid filled structures
MIP and MinIP
<ul style="list-style-type: none"> • MIP: Maximum Intensity Projection • MinIP: Minimum Intensity Projection • Thin MIP function for projection within a small slab to focus on particular vascular structure
VRT (Volume Rendering Technique)
Advanced 3D application package for the optimal display and differentiation of different organs through independent control of color, opacity, and shading
Table and Bone Removal
Fast accurate presentation of subtracted CT Angiographic data sets
Bone-free VRT
Reconstruction that facilitates a precise vascular assessment by visualizing blood vessels without interfering anatomical structures

syngo.via View&GO Clinical Packages

Extension Package¹

Anatomical range presets contain predefined anatomic values to indicate which related anatomical structure and body region is displayed and to help you position the range as required.

ROI HU Threshold

Evaluation and display of tissue densities within a certain HU range. This can help to quantify fat or assess lesions for hypodense areas as a possible indicator of therapy response

Dual Energy ROI

Evaluation of the behavior of different tissues at different energies as an indication of their material composition (DE ROI properties evaluation options are Min/Max, Mean/SD, Area)

Define Vessels

Set of tools and layouts for guided creation of CPR (Curved Planar Reconstructions) for enhanced vascular assessment in CT and MRI datasets, for instance in aneurysms or peripheral artery disease. Comprehensive length and diameter measurements.

CT Onco Package¹

Diameter (longitudinal, bi-directional, mean)

Lesion Measurement for enhanced clinical decisions in oncology

Lung Nodule Segmentation

The Lung Nodules Segmentation tool in syngo.via View&GO performs a semi-automatic segmentation of solid and subsolid lesions in lungs, providing the volume and diameter according to the LungRADS guidelines.

MM Ortho Package

Spine Ranges

- Guided reconstruction of anatomically aligned spine Curved Planar Reconstructions (CPR).
- Automatic detection and labeling of vertebrae.

Spine and Rib Labeling

Shorten the reading process of oncological and trauma patients by analyzing the complete chest and spine with the automatic detection and labeling of each rib and vertebra. This delivers time savings for a complete reconstruction, while reducing the risk of mislabeling associated with manual preparation.

CT Cardio Ranges¹

Cardiac

3D visualization of the coronary tree and coronary heart isolation

Lung CAD¹

Lung CAD (Computer Aided Detection) is a fully automated, FDA 510(k) approved computer assisted second reader tool, designed to assist radiologists in the detection of pulmonary nodules during review of CT examinations of the chest.

Lung CAD potentially makes results more objective and consistent, and shortens the radiologists' learning curve since the skill in interpreting diagnostic images may vary among interpreting physicians.

Detection of solitary nodules, as well as those adjacent to vessels and pleural surfaces

AIR Pulmonary Density Plug-In¹

Designed to identify and quantify hyper dense regions in the lung, assisting radiologists with the diagnosis of infectious pneumonias and pulmonary diseases

It shows various tabulated measurements, i.e. relative and absolute volume of opacities, mean and standard deviation of HU values between lung parenchyma and the detected opacities.

It also offers a VRT for additional understanding of the spatial distribution of opacities as well as a convenient overview of the lung with a complementary color-coded pictogram and key.

Please note that at least 16 GB RAM is required to use this tool.

CT Osteo Package¹

Non-invasive measurement of the bone mineral density of the lumbar spine to help early diagnosis of osteopenia and osteoporosis, and to assess the effectiveness of treatment. Osteo CT measurements are standardized to the ESP Phantom (ESP: European Spine Phantom).

CT Neuro Package¹

Time Curve

By enabling single-click, bone-free visualization, Neuro DSA (digital subtraction angiography) allows quick and easy neurovascular assessment, as it uses the standard, non-enhanced head scan for the subtraction.

¹ Part of syngo.CT Extended Functionality

syngo.via View&GO XP Plug-Ins

For customers purchasing a Multitom Rax with syngo.via View&GO, the following plug-ins are available:

MTR Reprocessing Plug-In: Real 3D

Reprocessing of volume datasets (Real 3D) from 2D projection images created by Multitom Rax.

Real 3D images acquired on Multitom Rax offer precise insights into the patient's physiology through functional imaging of the spine and extremities in weight-bearing condition. In supine position, Real 3D imaging offers natural and comfortable positioning for trauma and disabled patients.

A high-res option for the upper extremities imaging allows for precise assessment of trabecular structure, hairline fractures, occult fractures, and calcifications at high isotropic resolution without additional dose.

MTR Reprocessing Plug-In: True2scale Body Scan

True2scale body scan is a topogram-like view reprocessed from projection images created by Multitom Rax.

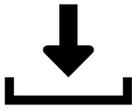
Acquiring biplanar full-body images that are free of geometrical distortion in supine or weight-bearing position with an inherently low-scatter-radiation slot scanning technique facilitates evaluation of musculoskeletal misalignment.

Installation of *syngo.via* View&GO

syngo.via View&GO is a software-only application that is easily downloadable from the internet.

It can be run on the desired windows customer hardware alongside other software. For simple execution, download instructions will guide the customer through the installation process. Automatic updates will be regularly provided.

- To install or regularly update *syngo.via* View&GO, Internet access is a mandatory prerequisite. It is recommended to have a connection rate of 1 MBit/s or higher, with a latency below 200 ms.
- Do not install *syngo.via* View&GO on computers with *syngo*-based systems, such as *syngo.via*, SOMARIS/10, NUMARIS/10, *syngo* Multimodality Workplace, as this might lead to interferences.
- The activation key for *syngo.via* View&GO can only be installed on 1 computer. For each extra computer an extra licence must be purchased.
- Device Guard has to be deactivated when installing and using *syngo.via* View&GO.



1 Download software packages from the internet.



2 User Information Input and Registration (with activation key that was received from the Siemens Healthineers Sales Representative)



3 Online validation of registration information



4 Install software packages on your computer

Hardware requirements

For installation¹ of syngo.via View&GO, your computer needs to fulfill the following prerequisites.

Minimum requirements

Operating system:	Microsoft Windows 10 – 64 bit for new installations Microsoft Windows 7 – 64 bit is only supported if you have updated syngo.via View&GO from a predecessor version to this version.
Processor type:	Intel CPU supporting AVX2 (Intel Haswell processors and succeeding generations) AMD CPUs are not supported in syngo.via View&GO VA30A
Memory:	8 GB RAM (limitations to the size of image data sets may apply with only minimal RAM size) To use the Pulmonary Density tool or the Multitom Rax-related functionality, your computer requires at least 16 GB RAM.
Graphics Processing Unit (GPU):	NVidia or Intel GPU For the Multitom Rax-related functionality an NVidia GPU with at least 8 GB of RAM and Cuda 11.1.0 support is required (Pascal, Volta, Turing and Ampere architecture).
Disk space:	Up to 300 GB of image storage are supported. Therefore at least the corresponding amount of free disk space is recommended. For adequate performance, the usage of a solid state disk for image storage is recommended.
Monitors:	Monitor of at least 2 MP ²

Optional hardware available
(please refer to syngo.via View&GO hardware data sheet).

¹ You need local administrative rights to install or update syngo.via View&GO

² Local laws/regulations may require the use of specific monitors

***syngo.via* View&GO user forum**

The *syngo.via* View&GO user forum is an exclusive online platform for users. It contains helpful information and practical tips.

It serves as a platform where you can exchange your experience with other users, and raise questions, in case you need feedback on specific topics.

In *syngo.via* View&GO, click the Community icon to access the user forum.

– or –

Open an internet browser and type in the following URL:
forum.siemens-healthineers.com

To apply for an account, click Register.

For access to the *syngo.via* View&GO user forum, click the Healthcare User Forum service.

For further information please refer to the Operator Manual.

***syngo.via* View&GO – what's new?**

We constantly work on new features and improvements to fit *syngo.via* View&GO even better to your needs and to keep it running smoothly.

This is realized with small fixes or with full updates including new functionality.

For more information, please visit our website:
siemens-healthineers.com/syngo.via-view-and-go

Training material

syngo.via View&GO provides a direct connection to learning material available on our personalized education platform PEPconnect.¹

PEPconnect offers online training courses and job aids, all tailored to the usage of syngo.via View&GO.

You can access PEPconnect either directly from the syngo.via View&GO application.

– or –

Open an internet browser and type in the following URL:
pep.siemens-info.com/en-us/syngo-via-view-go

syngo.via View&GO – free version

A free version of syngo.via View&GO that allows users to open up to three free cases every day is now available for download, making advance visualization accessible for anyone²! The download is completely commitment-free and offers a direct upgrade path to the paid version.

Simply create an account and register with your institution on the Digital Marketplace to get direct access to the free offering. Make sure to use the activation code provided to you after triggering the download to start using the software.

Users can experience all syngo.via View&GO functionalities including the Clinical Packages released in their country of residence before they decide to purchase.

A syngo.via installation is not necessary to download and run syngo.via View&GO. You can install and uninstall this software at any time free of charge and run it in English, German, French, Spanish, Chinese, or Japanese.

To obtain the full syngo.via View&GO software, which grants you unlimited use, please contact your Siemens Healthineers sales representative or request a quote through the “Request Quotation” button.

To access the Digital Marketplace, open an internet browser and type in the following URL:

store.teamplay.siemens.com/apps

¹ A PEPconnect account is needed to get access to the full range of training material.

² syngo.via View&GO is not commercially available in all countries yet. Please contact your Siemens Healthineers sales representative for more information.

Mapping table medical devices to applications

SY Medical Devices¹

<p>syngo.via View&GO</p>	<p>syngo.via View&GO is a software solution intended to be used for viewing, manipulation, communication, and storage of medical images. It can be used as a standalone device or together with a variety of cleared and unmodified syngo-based software options.</p> <p>syngo.via View&GO supports interpretation and evaluation of examinations within healthcare institutions, for example, in Radiology, Nuclear Medicine and Cardiology environments. The system is not intended for the displaying of digital mammography images for diagnosis in the U.S.</p> <p>syngo.via View&GO is indicated for image rendering and post-processing of DICOM images to support the interpretation in the field of radiology, nuclear medicine and cardiology.</p> <p>The system is not indicated for mammography images for diagnosis in the U.S.</p> <p>The application is not to be used as an archiving device for patients' image data.</p> <p>The application is not to be used as a sole basis for clinical decisions, but further evidence has to be taken into account.</p>
<p>Clinical Application</p>	<p>syngo.via View&GO</p>

CT Medical Devices¹

<p>syngo.CT Extended Functionality</p>	<p>syngo.CT Extended Functionality is intended to provide advanced visualization tools to prepare and process medical images for diagnostic purpose. The software package is designed to support technicians and physicians in qualitative and quantitative measurements and in the analysis of clinical data that was acquired and reconstructed by Computed Tomography (CT) scanners, and possibly other medical imaging modalities (e.g. MR scanners).</p>
<p>Clinical Application</p>	<p>syngo.CT Extended Functionality</p>
<p>syngo.CT Lung CAD – an accessory of syngo.CT Extended Functionality</p>	<p>The syngo.CT Lung CAD device is a Computer-Aided Detection (CAD) tool designed to assist radiologists in the detection of solid pulmonary nodules during review of multi detector computed tomographic (MDCT) examinations of the chest. The software is an adjunctive tool that alerts the radiologist to regions of interest (ROI) that may be initially overlooked.</p> <p>The syngo.CT Lung CAD device is intended to be used as a second reader after the radiologist has completed his/her initial read.</p>
<p>Clinical Application</p>	<p>syngo.CT Lung CAD</p>

¹ Legal manufacturer: Siemens Healthcare GmbH, Henkestr. 127, 91052 Erlangen, Germany

IT Care Plan

Investment in IT services' development and staff's knowledge is the key to long-lasting business success.

The trend towards evidence-based medicine also requires the decision-support features healthcare providers demand from their healthcare IT systems.

Whatever your applications for workflow or IT requirements are, the IT Care Plan is at hand.

The core elements of the IT Care Plan – Remote Technical Support, Remote Application Support and Software Updates – provide the appropriate level of services to keep your system reliable and secure.

syngo.via View&GO	Customers ...	
IT Care Plan Modules	... with IT Care Plan	... without IT Care Plan
Remote Technical Support	Yes	No → Healthineers User Forum
Remote Application Support	Yes	No → Healthineers User Forum
Software Updates	automated ¹	automated ¹
Smart Remote Services (SRS)	prerequisite	prerequisite
Internet access	prerequisite	prerequisite

Points of Contact

The administrator is an essential part of the service process. For more details regarding administrator tasks, please refer to the current version of the respective Operator Manual.

- The customer administrator is the first contact person for internal users and the single point of contact to Siemens Healthineers.
- Siemens Healthineers provides support for the software and is committed to the IT Care Plan.
- Customers who do not opt for an IT Care Plan still have access to the *syngo.via View&GO* user forum (see chapter "*syngo.via View&GO* user forum").

Technical Information

syngo.via View&GO is a software-only application, combined with cloud-based features, for example, software and update download. As a result, there are some service and technical related differences compared to other Siemens Healthineers software products to be considered:

- Software is downloaded and installed by the customer
- Automated software update distribution with installation, upon user agreement

Customer Benefits

System IT availability with fast and professional service provision:

- Ensure a high quality of reports, readings, and results when they are needed by keeping the system up-to-date, efficient, and available
- Rely on our team of specialists who provide fast and comprehensive remote support up to 24/7 using the SRS (Smart Remote Services) infrastructure and features
- Protect your budget and system investment: Keep your software up-to-date and operational over the entire product lifecycle

Remote Service Software

All IT Care Plans require a connection to SRS via VPN connection for Remote Technical Support and Remote Application Support.

Software Updates are automatically distributed and installed, upon user agreement.

Caution: US federal law restricts the herein described devices to sale by or on the order of a physician.

Siemens Healthineers is neither the provider nor reseller nor legal manufacturer of the products of other vendors. Additionally, these products may not be commercially available in all countries.

All product designations and company names are trademarks or registered trademarks of the corresponding companies.

Please contact the legal manufacturer for more information.

Made in Germany.

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