MAGNETOM Viato.Mobile

Clinical excellence on the move

siemens-healthineers.com/viato-mobile

SIEMENS Healthineers

Be where your patients are

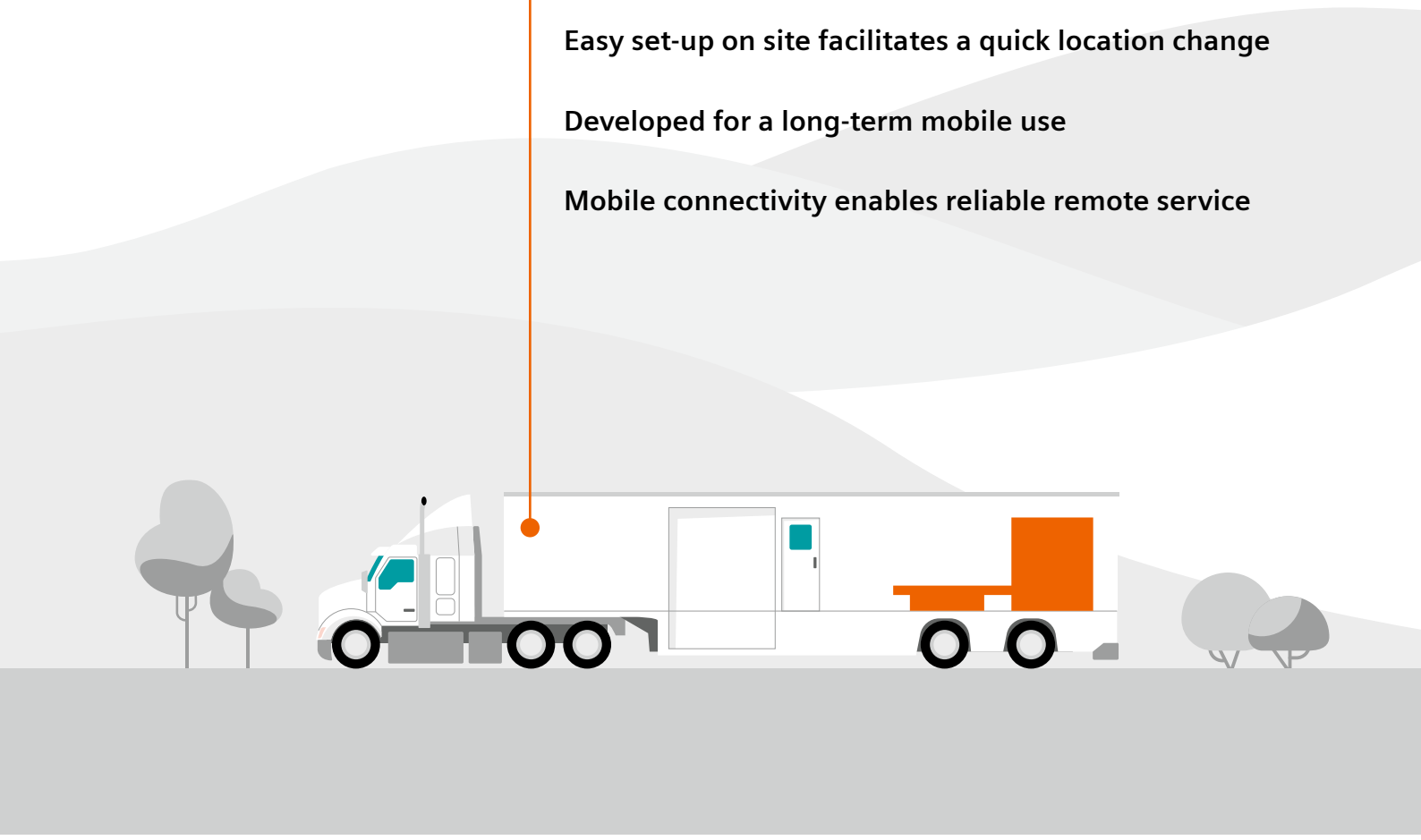
MAGNETOM Viato.Mobile delivers high-quality care wherever your patients are. This mobile 1.5T MRI scanner offers the flexibility to decide, every day, where your MRI services are needed most. MAGNETOM Viato.Mobile doesn't make compromises between mobility and performance. Because every patient deserves premium healthcare – no matter where they are.

Fast operational readiness of the system

Easy set-up on site facilitates a quick location change

Developed for a long-term mobile use

Mobile connectivity enables reliable remote service



Your powerful step into the future

Its powerful platform with superb hardware design helps you deliver clinical excellence more confidently than ever.

Ultra-high performance 1.5T magnet
Max. 50 × 50 × 45 cm³ FOV
Excellent homogeneity

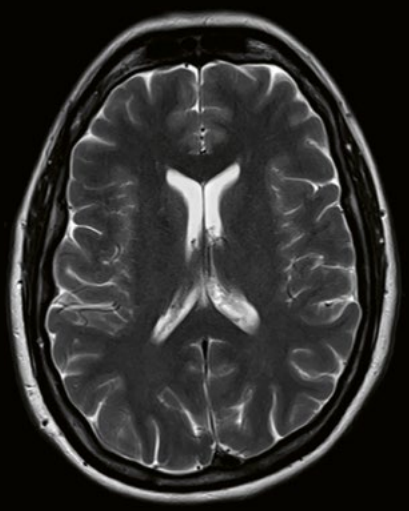
Strong gradients' system
XQ gradients[1]: 45 mT/m @ 200 T/m/s
XJ gradients: 33 mT/m @ 125 T/m/s

Tim 4G coil technology
with up to 204 channels[2]

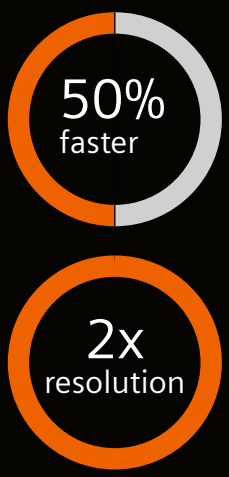
Deep Resolve: Faster than ever before

Deep Resolve is at the forefront of the deep learning revolution in MRI with Deep Resolve Boost & Sharp. These technologies use deep neural networks in the reconstruction process to achieve faster scans than ever before, while simultaneously increasing image sharpness and resolution. Across multiple clinical applications, Deep Resolve can further be combined with our unique acceleration technologies such as Simultaneous Multi-Slice (SMS) to produce images of superior quality in a fraction of the acquisition time, a true paradigm shift in MR imaging.

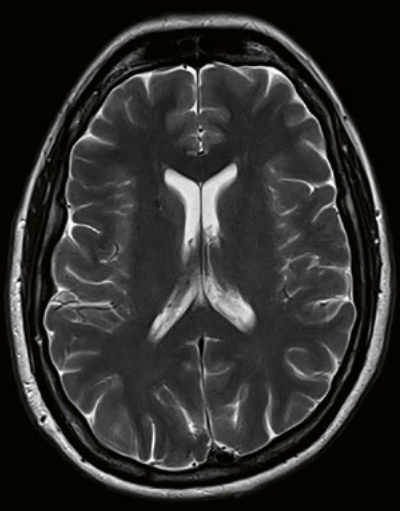
Conventional



T2 TSE
PAT 2
0.4 × 0.4 × 5.0 mm³
TA 0:52 min



Deep Resolve



T2 TSE
PAT 4
0.2 × 0.2 × 5.0 mm³
TA 0:26 min

1aaaa4245

Scan the code or visit
siemens-healthineers.com/deepresolve
to find out more

Boost speed and image sharpness from head to toe

Unlock the full potential of Deep Resolve with a large variety of different applications throughout the entire body.

1aaaa4206

T2 TSE
PAT 3, **Deep Resolve**
2.0 × 2.0 × 3.0 mm²
TA 0:38 min

T1 TSE
PAT 2, **Deep Resolve**
2.0 × 2.0 × 3 mm²
TA 1:20 min

1aaaa4204

PD TSE fs
PAT 3, **SMS 2, Deep Resolve**
0.3 × 0.3 × 3.0 mm²
TA 0:33 min

PD TSE fs
PAT 3, **SMS 2, Deep Resolve**
0.3 × 0.3 × 3.0 mm²
TA 0:33 min

PD TSE fs
PAT 3, **SMS 2, Deep Resolve**
0.3 × 0.3 × 3.0 mm²
TA 0:31 min

T1 TSE
PAT 3, **SMS 2, Deep Resolve**
0.3 × 0.3 × 3.0 mm²
TA 0:17 min

Deep Resolve & SMS

Combine the best of both worlds to acquire sharper images, faster.

A complete knee examination below 2 min scan time

Beyond speed. New clinical possibilities.

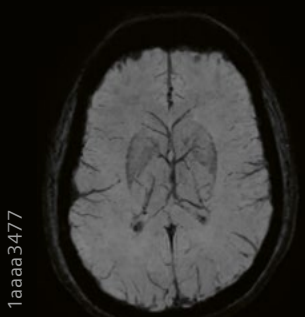
With our renowned acceleration technologies Compressed Sensing and CAIPIRINHA you experience an enormous reduction in scan time. This opens up new clinical possibilities for 3D imaging and especially when displaying dynamic processes or moving organs.

3D TOF Angio
Compressed Sensing
0.5 mm iso
TA 2:59 min

47% faster[3]

3D T2 SPACE MRCP
Compressed Sensing
0.5 × 0.5 × 1.7 mm³
TA 0:13 min
single breath-hold

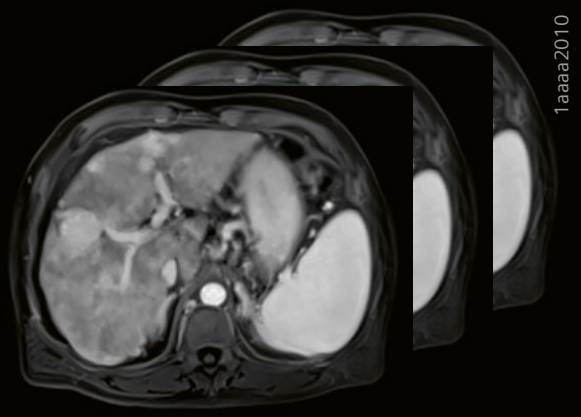
96% faster[3]

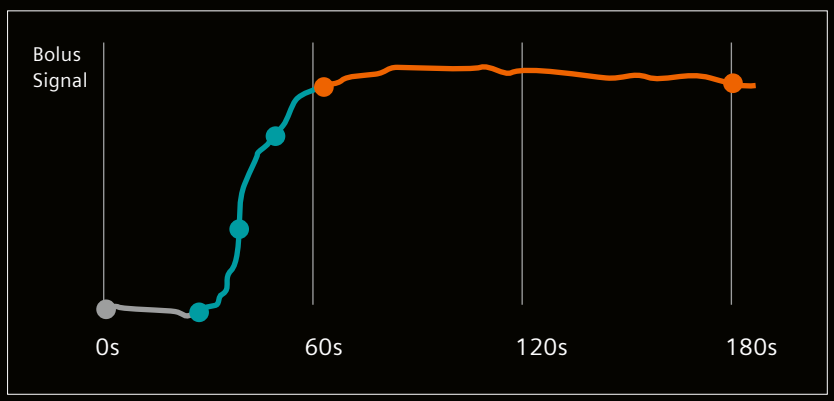


3D Wave-CAIPI SWI
CAIPIRINHA
0.9 × 0.9 × 2.0 mm³
TA 1:44 min

53% faster[3]

Free-breathing exams
With Compressed Sensing GRASP VIBE – robust diagnostic image quality and high temporal resolution.





Automatic recognition of liver phases

- Instead of screening thousands of images, only the clinically relevant series are reconstructed
- Automatically labeled series for streamlined reading

A workflow built around humans

The MRI workflow revolves around the interaction between the patient, technologist, and the system. We prioritize designing our technology to optimize this connection for efficiency and comfort.

Our unique BioMatrix Technology, fully integrated into the system, revolutionizes the examination process with unprecedented comfort and workflow efficiency for both, patients and technicians.

Experience the future of MRI with our integrated BioMatrix Technology

Patient centered experience: Efficiency and comfort in perfect synergy

MAGNETOM Viato.Mobile offers a holistic environment of solutions that put the patient at ease whilst simplifying the workflow.

BioMatrix Sensors

Utilizing our smart and integrated sensors for automatic detection of respiratory and cardiac motion to trigger scans.

BioMatrix Select&GO

Using AI to streamline the patient positioning workflow.

A scalable, high-performance coil portfolio allows you to tailor the system to the specific demands of your institution.

BioMatrix Head/Neck coil with 20 channels. Tiltable coil with DirectConnect and integrated **BioMatrix CoilShim**.

Dedicated **MSK coils such as our TxRx Knee 18 coil** provide not only high-resolution imaging but also high patient comfort.

UltraFlex coils – flexible ultra-high density coils with 18 channels. For universal use without compromises in image quality.

Intelligent guidance for imaging excellence

MAGNETOM Viato.Mobile with myExam Companion offers assisted scan workflows that enable reliable imaging results. Using the new possibilities of digitalization and AI, data is turned into integrated expertise and tailored assistance.

myExam Assist

Flexible and guided

myExam Assist offers a semi-automated scan workflow that assists the user with smart automation while maintaining full flexibility to tailor the workflow to their needs.

Over 90%[3] of MRI exams are covered by myExam Assist

Offering tailored scan strategies

Automated slice alignment using anatomical landmarks enables consistency

Adjustable scan parameters

AI-powered technologies for consistent image quality

syngo Virtual Cockpit[4]

Move knowledge, not staff!

Support MRI, CT, PET, and SPECT Scans remotely – independent of location!

- Experts can assist with up to 3 scans simultaneously
- Care teams stay connected through chat, audio, and video
- Easy protocol management from virtually anywhere

myExam Autopilot

Automate intelligently

myExam Autopilot offers a fully automated scan workflow including a streamlined user interface for the easiest and quickest MRI exam.

Scan with virtually a simple click of a button

A simplified user interface to keep the focus on what matters

For consistent results – no matter the user, patient, or workload

AI-powered technologies for consistent image quality

Toward a sustainable future

At Siemens Healthineers we want to work together with you to positively impact not only the well being of your patients but equally ensure that we use our planet's resources responsibly.

We provide technological solutions that reduce the ecological footprint of MRI and contribute to a more sustainable future in healthcare.

Scan the code or visit
siemens-healthineers.com/magnetic-resonance-imaging/sustainability-in-mri
to find out more

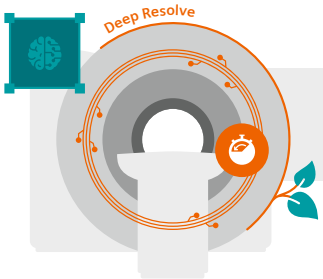
MAGNETOM Viato.Mobile offers energy saving technologies that holistically apply to daily operations.

How MAGENTOM Viato.Mobile saves energy:

Energy consumption for an MRI system in one year, if the scanner is always on[5]: **~ 100 MWh**

Save ~ 20% energy by turning off your scanner when not in use[6] **~ 80 MWh**

Save ~ 12% energy by using Eco Power Mode[6] **~ 70 MWh**



Save ~ 13% energy by using Deep Resolve[6] **~ 60 MWh**

Did you know?

The start-up time for our scanners is only approx. 5.5 minutes and with our System Start-Up Timer you can enable automatic start-ups of your scanner in the morning. So your system is ready when the workday starts!

Make the most of our innovations and save **~ 40%** energy!

Stay connected to be one step ahead

While you focus on caring for your patients, we take care of your scanner. With our comprehensive services solutions[7].

Guardian Program[9]

Maximize system uptime with our proactive monitoring services

Managed Mobile Connectivity[8]

Stay connected from anywhere

Hybrid Learning[11]

The personalized mix of training tools

Advance Plans[10]

The service agreements for the digital era

Scan the code or visit **siemens-healthineers.com/services/customer-services** to find out more

Technical Details

Magnet System	
Field strength	1.5 Tesla
Bore size	70 cm Open Bore Design
Helium consumption	Zero Helium Boil-Off technology
Gradient strength	XQ gradients[1]: 45/200 simultaneously XJ gradients: 33/125 simultaneously
RF technology	
Maximum number of channels[12]	204
Number of independent receiver channels that can be used simultaneously in one single scan and in one single FoV, each generating an independent partial image	48
Siting and Installation	
System length	145 cm cover to cover
System weight (in operation)	4.99 tons
Minimum room size[13]	28 m^2 / 301 sq ft

Disclaimer

1 *The product is still under development and not commercially available. Its future availability cannot be ensured.*

2 *Channels (coil elements) that can be connected simultaneously.*

3 *Data on file.*

4 *syngo Virtual Cockpit is not commercially available in all countries and the service offering cannot be guaranteed due to regulatory or other reasons. In the US, syngo Virtual Cockpit is under FDA's premarket review and conditionally marketed with FDA's guidance. Please contact your local Siemens Healthineers organization for further details. Precondition: Expert-i enabled or KVM switch connected modalities and appropriately trained personnel operating under applicable federal, state, and local laws as to the specific imaging modality(ies), including radiation and contrast. 1 Prerequisites include: Internet connection to clinical network, DICOM compliance, meeting of minimum hardware requirements, and adherence to local data privacy regulations.*

5 *Assuming the system is turned off during the weekends and overnight.*

6 *Data are based on Siemens Healthineers own measurements and assumptions. Actual consumption can vary depending on use pattern, system type and configuration.*

7 *The products/features and/or service offerings (here mentioned) are not commercially available in all countries and/or for all modalities. If the services are not marketed in countries due to regulatory or other reasons, the service offering cannot be guaranteed. Please contact your local Siemens Healthineers organization for further details.*

8 *Connection to Smart Remote Services (SRS) infrastructure is required. SRS has advanced security measures in place and is compliant with the ISO 27001:2017 Standard for Information Security. Availability dependent on IT system and solution.*

9 *Guardian deliverables vary by device and are not applicable to all equipment from Siemens Healthineers. Ask a local Customer Service representative for advice. Prerequisites: Stable SRS connection with adequate bandwidth.*

10 *Prerequisites: stable SRS connection with adequate bandwidth.*

11 *There is no percentage of blend for each of these learning tools and the amount of blend can vary from customer. Not for clinical use. For training purposes only.*

12 *Channels (coil elements) that can be connected simultaneously.*

13 *Minimum total space requirement for magnet, electronics, and console room.*

Siemens Healthineers Headquarters
Siemens Healthineers AG
Siemensstr. 3
91301 Forchheim, Germany
Phone: +49 9191 18-0
siemens-healthineers.com

Published by Siemens Healthineers AG · Order No. A91MR-135-2C-7600 ·