



## Signa HDx

Signa HD supercharged. Accelerated. Optimized to the max. The ultimate in HD MR imaging performance, Signa HDx 1.5T advances GE's leadership in 1.5T MR technology with ultra-fast reconstructions. Breathtaking images. Streamlined exams. And additional XV Clinical Applications that meet your unmet clinical needs quickly and confidently – for definitive diagnoses on even your most difficult cases.





Simple and intuitive, a streamlined user interface provides easy, automated scanning with little technologist retraining. With just a few clicks of the mouse, you position slices, set parameters, launch the scan and post-process your results.

# Click.

So fast. So easy. So clear. So reproducible.  
Ease of use means consistently better image quality.



With the detachable table, you can prep patients outside the MR suite without wasting valuable scan room time to improve throughput – and quickly remove a patient from inside the scanner to outside the room in an emergency.

**Bonjour**  
**Hello**  
**Ciao**  
**Hola**

Designed to simplify breath-hold procedures, AutoVoice lets you preprogram automatic breathing commands for patients in their native language.

These days, you may have a different technologist sitting at your MR scanner every morning.

That's why Signa HD and HDx 1.5T deliver great results without the need for extensive retraining. With a user interface that's simpler, more intuitive and easier to use than ever before. Coil identification that automatically recognizes the right coil for each protocol. Automatic extraction of scan parameters from an image, and simple protocol transfer from system to system. And easily reproducible results, thanks to GE-exclusive motion-control and acceleration techniques.

Add to that the inherent technological advantages of the Signa HD and HDx 1.5T systems, and you're assured of scanning efficiency and consistently high image quality.

Scan after scan. Patient after patient. Image after great image.

No matter who's manning the mouse.

# Scan.



**Signa HD high-density  
16-channel Head-Neck-Spine Array**

Image the head, neck and spine  
without changing coils or  
repositioning the patient.



Driving diagnostic confidence in the most difficult patients with more horsepower than any other 1.5T scanner. And helping you fly through the most data-intensive scans.

# Technology.

## Signa HDx 1.5T Breakthrough Technologies

Delivering astonishing speed, detail and confidence, Signa HDx 1.5T technologies are unrivaled in MR.

**Lightning-quick image reconstructions.**

Signa HDx 1.5T's powerful new XV<sub>RE</sub> volume-reconstruction engine ensures virtually real-time image generation. The XV<sub>RE</sub> is the enabler for new XV (expanded volume) Clinical Applications that utilize acceleration techniques such as ASSET and GEM. GEM is a hybrid acceleration technique that uses variable sampling to provide the fastest image acceleration.

**Parallel imaging breakthrough for accelerated scanning.**

A GE-exclusive parallel imaging method delivers faster scans, better SNR, higher resolution and easier large FOV studies. Self-calibration eliminates scan time penalties and artifacts from mismatched breath-holds.