



# AI-Powered Portable MRI

## System Specification Summary

1.9 Hardware / 9.0 Software

### BRINGING BRAIN IMAGING TO THE PATIENT

The Swoop system is an AI-powered portable MRI system that uses a magnet with a fraction of the field strength found in conventional MRI, so it can be brought to the patient's bedside and used in almost any clinical setting

#### 5 GAUSS GUARD

Quick expansion to 64 × 64 inches for use during storage and scanning

#### RF SHIELD

Partially blocks external electromagnetic interference, eliminating the need for additional shielding while front and rear doors allow easy access

#### HEAD COIL

8-channel receive/1-channel transmit head coil encased in durable, easy-to-disinfect polycarbonate plastic

#### PATIENT BRIDGE

Patient transfer bridge facilitates easy patient loading up to 440 pounds and folds up for compact storage

#### MAGNETICS

- Permanent magnet
- 0.064 tesla (64 mT)
- No helium cooling required
- No additional shielding requirements



38 × 32 × 59 INCHES (H × W × D)  
APPROX. 1400 POUNDS

#### TOUCH SCREEN CONTROLLER

Operated wirelessly via a handheld Apple® iPad Pro®

#### POWER DRIVE WITH JOYSTICK

Five speed options allow easy maneuvering through crowded spaces and doorways

#### CONNECTIVITY

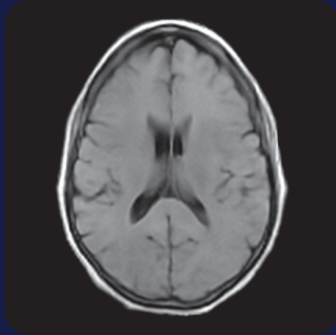
- Wi-Fi
- Ethernet
- Secure PACS configuration

#### POWER

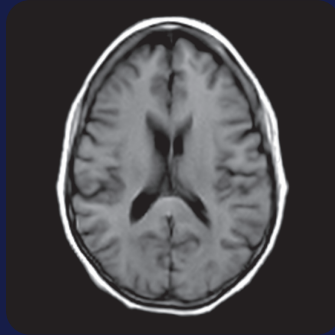
- Peak power consumption: 900 watts, 15 amps
- Plugs into standard wall outlets
- Voltage: ~100–230 VAC, 50/60 Hz
- Includes independent battery for transport

# OPTIVE AI™

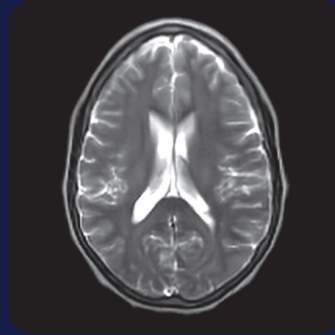
Optive AI software brings advanced, AI-driven image reconstruction to ultra-low-field MRI—unlocking clearer images at lower field strengths. By reducing noise and blur with deep learning, it enhances image clarity and uniformity to support confident diagnoses at the point of care



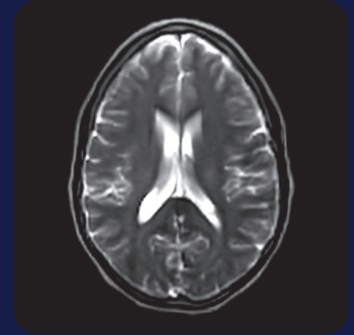
**T1 (Standard)**  
4:00 min. |  $1.6 \times 1.6 \times 5$  mm



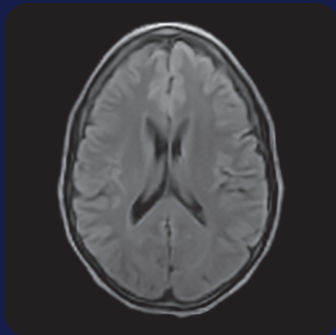
**T1 (Gray/White)**  
6:00 min. |  $1.6 \times 1.6 \times 5$  mm



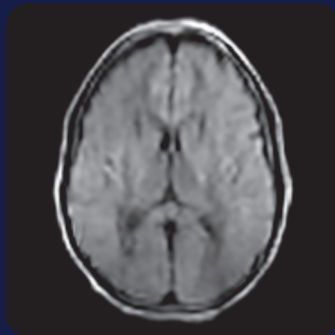
**T2**  
6:00 min. |  $1.3 \times 1.3 \times 5$  mm



**Fast T2**  
2:30 min. |  $1.6 \times 1.6 \times 5$  mm



**FLAIR**  
7:30 min. |  $1.7 \times 1.7 \times 5$  mm



**DWI with ADC Map**  
8:40 min. |  $2.2 \times 2.2 \times 5$  mm

Sequence specifications are subject to change with future software updates (9.0 software shown above). Scan time is nominal and can slightly change depending on the acquisition plane (Axi/Cor/Sag). The nominal scan times reported are for axial plane acquisition.



## REIMBURSED UNDER EXISTING IMAGE CODES

| MRI Brain without contrast: CPT 70551



## CLINICAL UTILITY

| Review publications

**HYPERFINE®**

Indications for Use: The Swoop® Portable MR Imaging® System is a bedside magnetic resonance imaging device for producing images that display the internal structure of the head where full diagnostic examination is not clinically practical. When interpreted by a trained physician, these images provide information that can be useful in determining a diagnosis.

**Hyperfinemri.com**

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