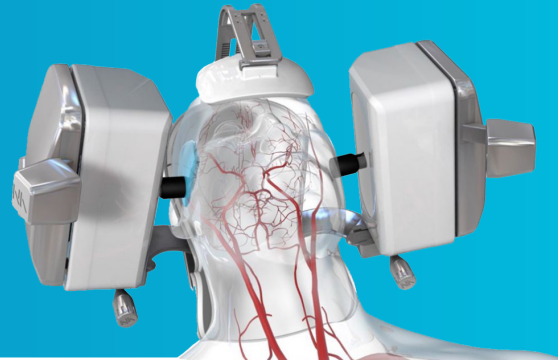




# NovaGuide™

Intelligent Ultrasound



## The first and only FDA cleared, fully automated cerebral ultrasound.

The modern NovaGuide Intelligent Ultrasound is a revolution in cerebral blood flow assessment. The intelligent system combines cutting-edge AI, advanced robotics, and intuitive design to make your cases more efficient. The NovaGuide is pioneering automated cerebral ultrasound.

NEW



### Modality Worklist

Straightforward upload of your daily worklist for improved efficiency.

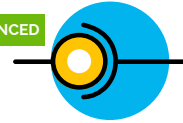
ENHANCED



### Editing Capabilities

Add and edit comments on snapshots, easily recalculate blood flow velocities and PI with sliders.

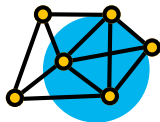
ENHANCED



### Automated Emboli Counting

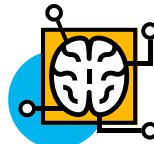
Power M-mode with enhanced coloring, automated filtering, and improved waveform tracing.

## The NovaGuide Intelligent Ultrasound has new and enhanced features to make your cases more efficient.



### Automated

Five degrees of freedom combined with AI enables autonomous signal capture and extended monitoring.



### Intelligent

Artificial intelligence quickly locates major blood vessels and assesses blood flow velocity.



### Distanced Monitoring

The autonomous nature of the system allows for contactless patient monitoring, enabling you to maintain infectious disease protocols.

## Many exam types available, including complete, limited, monitoring, and:

### Vasomotor Reactivity Studies

3 protocols: CO<sub>2</sub> inhalation, CO<sub>2</sub> inhalation with hyperventilation, and breath holding. Real-time velocity display, automated VMR index.

### Bubble Studies

Bubble frequency display at rest and with valsalva, snapshots from recordings, and shunt grade calculation.

### Emboli Monitoring

Right, left, and total emboli count display, user-defined event markers, 12-hour monitoring capability, video playback.

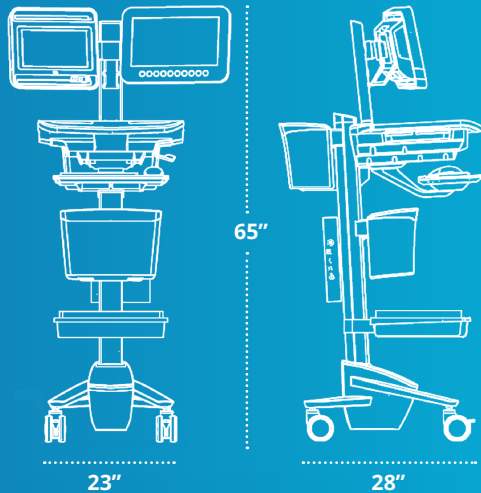
## We've got you covered.

All NovaSignal products are designed and assembled in the US. We stand behind our quality by including a one-year service agreement with every product. For additional piece of mind, extended service agreements can be purchased for up to an additional four years.



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## Specifications

### Dimensions:

**Cart Footprint:** 644 square inches  
(28 in D x 23 in W) (711.2 mm D x 584.2 mm)

**Cart Height:** 65 inches (1651 mm)

**Weight:** 150 lbs (68.04 kg)

### Components:

Lucid TCD 2.0, Robotic Control Unit (RCU)

Accessory Control Unit (ACU)

Patient Headmount Unit (PHU)

**Autonomous Search:** Yes

### Search Modes:

Manual Probe

Robotically Assisted (Manual Assist via ACU)

Autonomous Search

### Depth Range:

Autonomous: 45 – 60 mm

Manual: 23 – 146 mm

**Power:** 100 – 240VAC

**Touchscreen:** Yes

**On-Screen Keyboards:** Yes (RCU & ACU)

**Doppler Channels:** 1 or 2

**Power M Mode:** Yes

**User Configurable TCD Exam Screen:** Yes

**User Log In:** Yes

**Max Velocity Accuracy:** ± 5%

**Internal Speakers:** Yes

**Sample Volume:** 2- 12 mm

**Sweep Speed:** 4, 8, 12 sec

**FFT Resolution:** 256

**Max PRF:** 12KHz

## Transducers

Handheld: 2.0 MHz PW

Probe Pods: 2.0 MHz PW (x2)

## Compatibility

Binary & ACSII data output

Moberg Research CNS Monitor

Ref Number	Description
NA-RBTSYS1	NovaGuide
NA-RBT1	1::NovaBot™
NA-TCDSYS1	1::Packaged, Lucid™ TCD 2.0
NA-DSP2PK	1::NovaKit™ Exam Pack (Single Use - Pack of 10)

## Output Options

Printer

DICOM/PACS

Computer Network

USB

Digital Streaming

Audio Jack

HDMI

CAUTION: Federal (USA) law restricts this device to sale, distribution by or on the order of a physician. Indications, contraindications, warnings, and instructions for use can be found in the product labeling supplied with each device. The NovaGuide consists of the NovaBot and the Lucid TCD 2.0. It is intended for use as an adjunct to standard clinical practices for measuring and displaying cerebral blood flow velocity and the occurrence of transient emboli within the bloodstream. The NovaGuide is intended to be used by healthcare professionals qualified by training in its safe and effective use. The device is not intended to replace other means of evaluating vital patient physiological processes, is not intended to be used in fetal applications and is not intended to be used inside the sterile field.

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