

Complete Transcranial Doppler Solutions for over 38 years

Non-invasive and Accurate Assessment
of Blood Flow Velocities in the Brain



Improve Patient Care anywhere with our
outstanding Diagnosis and Continuous
Cerebrovascular Monitoring devices

RIMED 
For your peace of mind



RIMED: Your TCD Partner



"Our core values of innovation, continuous improvement and reliability serve as a compass to direct our actions and deliver continuous results."

Joseph Adlin
President & CEO

Rimed was established by Joseph Adlin in 1982 and to date we have developed, manufactured and exported seven generations of non-invasive Vascular and Transcranial Doppler (TCD) systems.

We are proud to have led the market in introducing the first PC-based peripheral Vascular Doppler and the first customizable "summary screen" concept which has since been adopted throughout the sector. We offer a new line of digital transcranial Doppler (TCD) solutions, with Digi-Lite™ designed for bedside diagnosis and monitoring, and Digi-One™, an extremely lightweight portable device for clinicians on the move. The systems have power M-Mode, and can be integrated with our high-resolution color flow imaging probe, Digi-Lite IP™, for complete extracranial and intracranial investigations.

Our devices are used daily in over 100 countries, mainly in neurological, neuro intensive care and stroke units, and our products carry

all relevant international certificates: CE, ISO 13485, FDA, CFDA and more. As a leading company in the Doppler sonography technology for over 38 years, we have learned much in understanding your current and potential needs. Our new products, and those in development, aim to set new standards in TCD technology that provide you with more time-saving features, and technological advanced solutions for improved patient care. Our core values of innovation, continuous improvement and reliability serve as a compass to direct our actions and deliver continuous results.

I hope you enjoy reviewing our latest product catalog and if you have any questions please do not hesitate to contact us at Rimed

J. Adlin

Best wishes,
Joseph Adlin
President & CEO



1985
Flo-Link™ 300



1989
Flo-Link™ 500



1990
Trans-Link™ 8000

1993
Trans-Link™ 9000



Wide Range of Clinical Applications

Our advanced and comprehensive transcranial Doppler technology seen with our leading products, Digi-Lite™ and Digi-One™, can help evaluate numerous pathologies and abnormalities.

- Diagnosis of extracranial and intracranial stenosis and occlusion
- Detection and monitoring of vasospasm following Subarachnoid Hemorrhage (SAH)
- Detection of Patent Foramen Ovale (PFO)/ right to left shunts (RLS)
- Detection and counting of microemboli
- Evaluation of the brain vasomotor reserve
- Reliable brain death diagnosis and assessment
- Monitoring during carotid endarterectomy or carotid stenting
- Monitoring during coronary artery bypass grafting
- Monitoring during tPA treatment for acute stroke patients, identifying the point in time at which recanalization occurs
- Screening children with sickle cell disease
- Detection of elevated ICP
- Transsphenoidal surgery



1997
Trans-Link™
9900

2002
Smart-Lite™
& Intra-View™



2006
Four-View™



2010
Digi-Lite™ &
Digi-Lite IP™



2013 -2020
Digi-One™

Digi-Lite™

Your All-in-One Transcranial Doppler Solution



Digi-Lite™ provides clinicians with a complete transcranial Doppler (TCD) solution for bedside diagnosis and monitoring. Based on Rimed's Sixth generation TCD technology, Digi-Lite™ enables a reliable and non-invasive assessment of blood flow velocities in the brain.

Proven Transcranial Doppler (TCD) Technology Designed for Clinician's Convenience

- Fully mobile, complete bedside TCD solution
- Designed for the modern stroke, ICU* and neurosonology labs
- Intuitive 15" LED touchscreen user-interface for simple and easy operation
- Multiple language capability for local market use
- Removeable probe's handle for easier BA and VA access

Accurate Fast Detection Identification of Abnormalities

- Highly sensitive Doppler with advanced, power M-mode
- 8 spectrums displayed in 8 different depths simultaneously for a complete diagnostic picture
- Advanced emboli detection software and proprietary Doppler technology enables accurate emboli detection (via HITS**)

Auto-Track™ - Automatic Depth Selection for fast and easy insonation (Patent Pending)

1 Proven Transcranial Doppler Technology Designed for Clinician's Convenience

2 Accurate and Fast Detection and Identification of Abnormalities

3 Continuous Flow Diagnosis and Continuous Monitoring

4 Customizable and Time-Saving Reporting

Comprehensive Flow Diagnosis and Continuous Monitoring

- Complete range of probes for all uses: 2MHz, 4MHz, 8MHz and 16MHz***
- Intraoperative 16MHz probe for accurate blood vessel detection during neurosurgical procedures
- High-resolution, color flow imaging module: Digi-Lite IP™ for quick and detailed extracranial and intracranial investigations within one single system (optional)
- Extensive speciality monitoring tests (optional): VMR (Vasomotor Reactivity) / CO2 Reactivity test for reliable evaluation of cerebral autoregulation Detection of recanalization time during tPA treatment Bubble test to diagnose Patent Foramen Ovale (PFO)

Customizable and Timesaving Reporting

- Unique two-layer customizable reporting system
- DICOM & Modality worklist for real time data sharing
- Easily transfer and export reports in various formats including PDF
- First layer report: Customizable spectral summary screen and easy-to-interpret colourful graphics help shorten diagnosis time
- Second layer report: Comprehensive final patient reports with ability to write clinical diagnosis interpretation save time when providing documentation to the referring physician
- One combined TCD and color flow imaging report reduce clinicians' documentation time

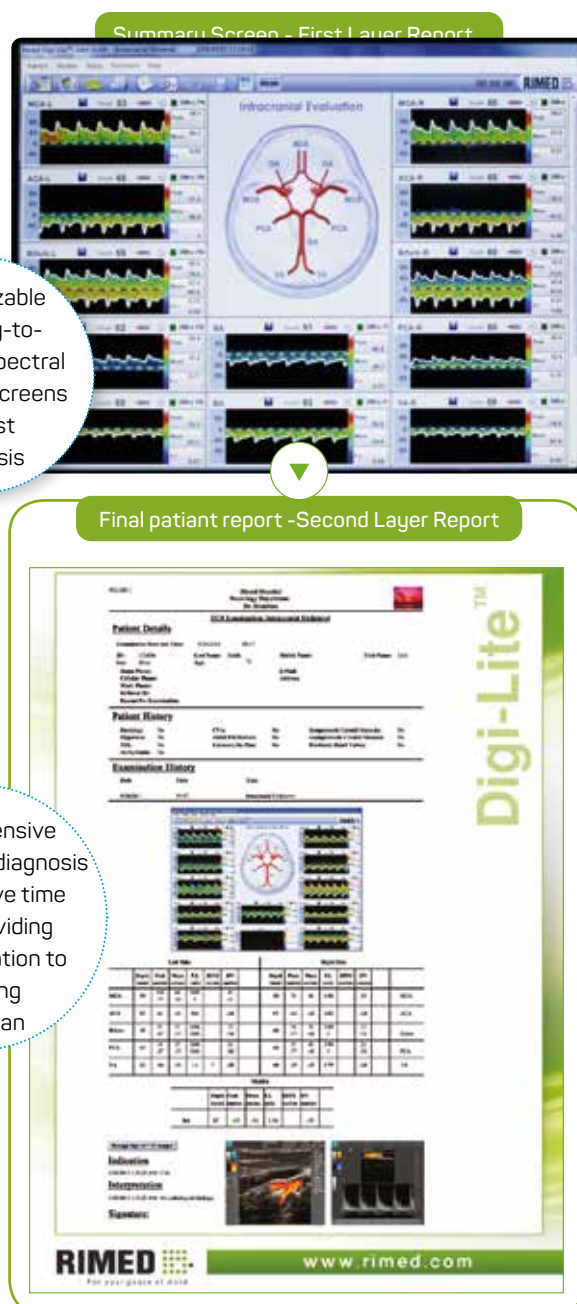
* Intensive Care Units

** High Intensity Transient Signals

***Not cleared for the U.S

Customizable and easy-to-interpret spectral summary screens for fast diagnosis

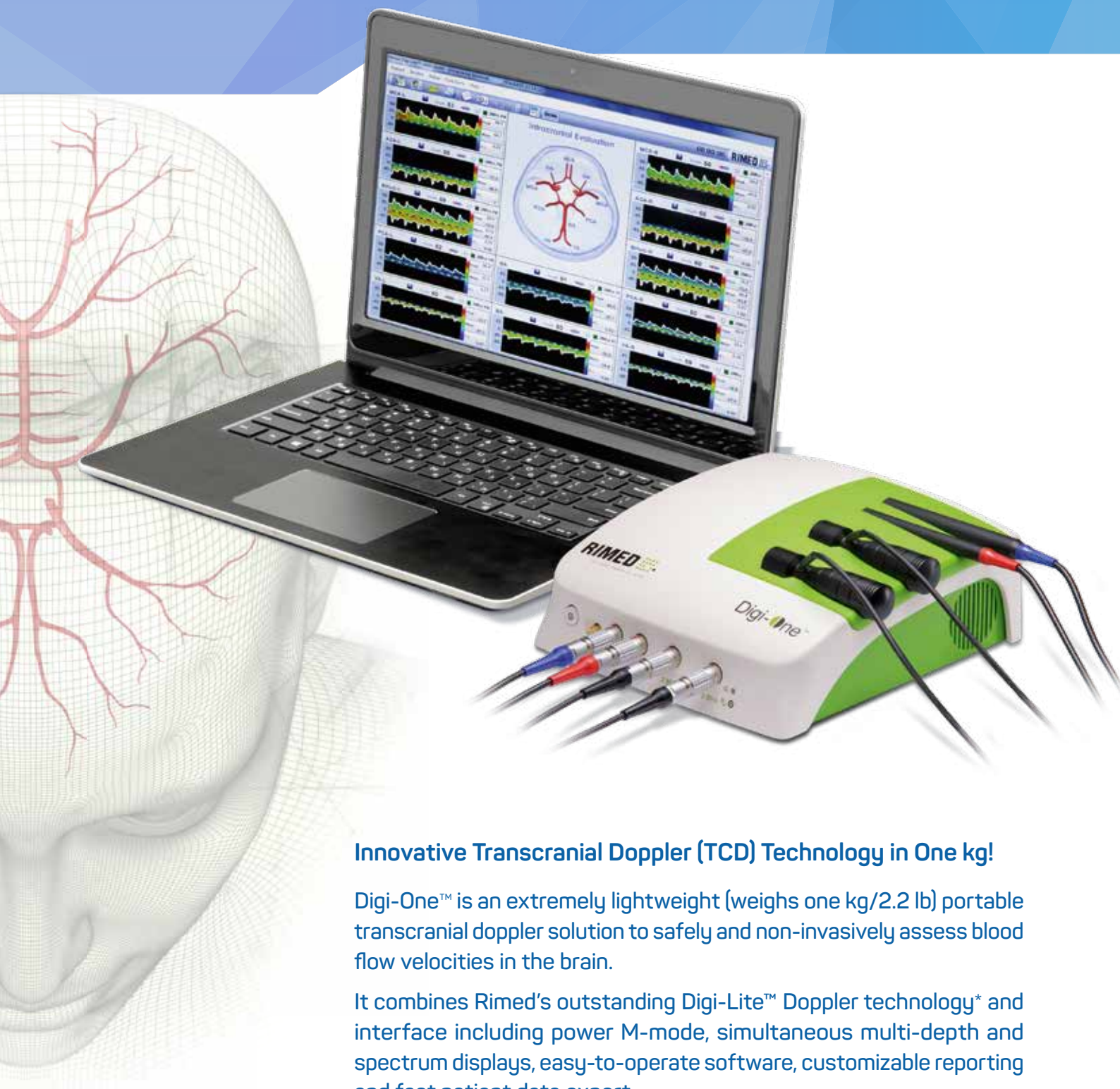
Comprehensive and editable diagnosis reports save time when providing documentation to referring physician



One combined report for both TCD & color flow imaging studies.

Digi-One™

Setting a New Standard in Portable Transcranial Doppler (TCD) Solutions



Innovative Transcranial Doppler (TCD) Technology in One kg!

Digi-One™ is an extremely lightweight (weighs one kg/2.2 lb) portable transcranial doppler solution to safely and non-invasively assess blood flow velocities in the brain.

It combines Rimed's outstanding Digi-Lite™ Doppler technology* and interface including power M-mode, simultaneous multi-depth and spectrum displays, easy-to-operate software, customizable reporting and fast patient data export.

1 Outstanding TCD Technology in One Kg (2.2 lbs)!

2 Flexible, Portable and Designed for Ease of Use

3 Well Proven Technology and Trusted Brand

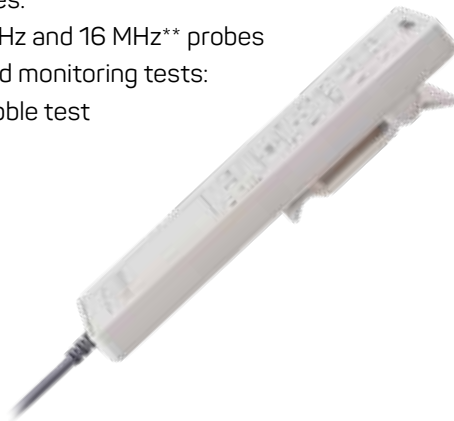
4 Be Completely Equipped Wherever You Are

Flexible, Portable and Designed for Ease of Use

- Advanced and cost-effective solution for clinicians whether in their clinic, hospital or mobile services
- Developed for repeated long-term use in contrast to other techniques
- Connects rapidly to your tablet, laptop or PC
- Easy data management
- Exports and sends patients' diagnosis quickly to the referring physician
- Removable silicon probe basket for easy and rapid cleaning
- Using the same 2 MHz probes both for short diagnosis and long monitoring studies
- Remote control with customized buttons
- Fixation clamp for improved grip

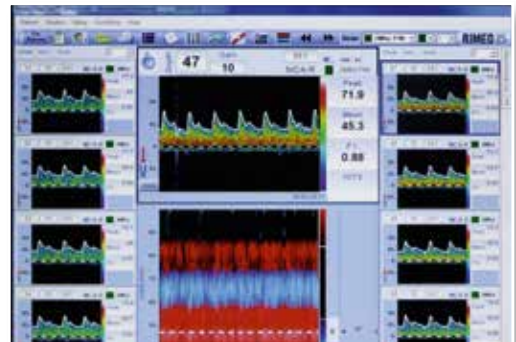
Be Completely Equipped Wherever You Are

- Lightweight One kg device (2.2 lb)
- Sensitive Doppler technology
- Supports all probes: 2 MHz, 4MHz, 8MHz and 16 MHz** probes
- Optional dedicated monitoring tests: VMR, tPA and Bubble test

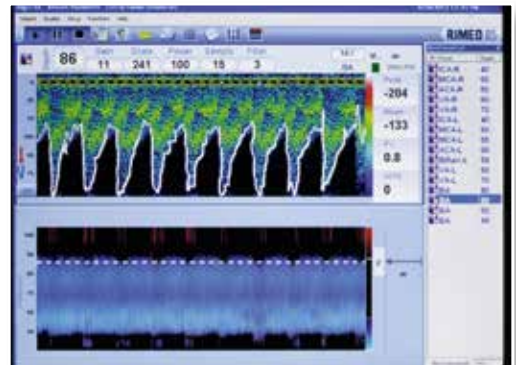


* Digi-One™ can be combined with Digi-Lite IP™'s optional color-flow imaging module.

** Not cleared for the U.S.



8 spectral window



BA Vasospasm



Summary screen - Brain Death

Digi-Lite IP™

High Resolution Color Flow Imaging

Add-on for Complete
Extracranial Investigation

Combining High Sensitivity Carotid Color Flow Imaging

Digi-Lite IP™'s high-resolution color flow imaging module enables faster diagnosis of possible vascular disorders within the carotid arteries, and supports wider clinical applications. Combined with Digi-Lite™, the device provides clinicians with an all-in-one solution to quickly, and accurately perform investigational techniques in both the intracranial and extracranial blood vessels.

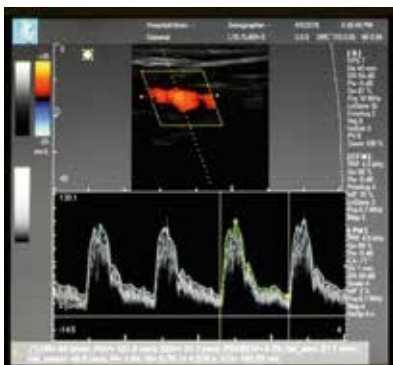
Cost-Effective and Easy-to-Operate

Digi-Lite IP™ is a compact, cost-effective and integrated solution for the ICU, modern neurosonology and neurovascular labs. The easy-to-operate Digi-Lite IP™ probe enables the clinician to scan the carotid system, extracranial vertebrals and the ocular system in a complete triplex mode including B Mode, Color flow and Doppler.



Key Features:

- High resolution imaging for fast and accurate diagnosis
- Dedicated software integrated into Digi-Lite™



Normal CCA

LMY-3™ Head-Set

Transforming Transcranial Doppler Monitoring into an Easy Procedure



Stability and Accuracy During Continuous Monitoring

Rimed's third generation head set provides maximum stability and accuracy during continuous monitoring through its innovative 'One Click' locking operation. Its unique fixation device enables the probe to be easily aligned and quickly 'locked' in place for optimal Doppler signal. The head set is especially suitable for functional monitoring of patients during emboli detection & counting, bubble test exams, tPA administration, carotid endarterectomy and cardiovascular surgery.



VMR Monitoring

Easy Set-Up for Quality Monitoring

- Enables pressure regulation of the probe to the skull after fixation for improved signal
- Stable and strong signal quality through adjustment of the probes pressure
- Helps clinicians keep the optimal insonation angle through surgery, routine studies and ICU procedures
- Cost-effective as the same probe can be used for both diagnostic and monitoring exams

A Versatile and Adjustable Head-Set

- 2MHz probe is attached simply, either unilaterally or bilaterally, with our easy-to-use 'One Click' mechanism
- Made of high-quality medical grade plastics for use in X-ray, angiographic and stenting procedures
- Size adjustable to the forehead, top of the skull and back of the head

Neurosurgery Package

Improving Patient Care with
Intraoperative Microvascular
Doppler Sonography



Rimed's Newly Designed Neurosurgery Package Accurately Evaluates Cerebral Blood Flow Dynamics

Our comprehensive Neuro Intensive Care Units (NICU) and Neurosurgery package combines Rimed's portable, bedside transcranial Doppler (TCD) system – Digi-One™, 2MHz probe, and an intraoperative 16MHz* probe – NSP-1. The new neurosurgery package is designed to help clinicians improve patient care before, during and after brain surgery.

Improve Monitoring Before and After Surgery with our 2MHz Probe

Patients in the Neuro Intensive Care Units (NICU) are at risk. Rimed's dedicated Digi-One™ with 2MHz probe enables clinicians to accurately and continuously monitor blood flow dynamics before and after surgery. Better monitoring can help clinicians improve patient treatment and post-procedure follow-up, prevent complications and detect patient deterioration earlier.

Gain a Better Understanding of Brain Vasculature During Surgery

Accurate blood vessel detection is an important but difficult task during brain surgery. Rimed's NSP-1 package including the dedicated 16MHz intraoperative probe assists surgeons to easily and accurately detect blood vessels. The new neurosurgery package helps surgeons gain a better understanding of the brain's vasculature and relevant arteries, helping enhance surgical insights, improve patient safety and prevent complications.

Surgical Applications

- Detection of the ICA during pituitary gland adenoma removal surgeries
- Optimization of aneurysm clipping
- Detection of blood vessels in brain tumor surgery

16 MHz Intraoperative Probe

- Provides sound, clinical parameters and wave forms
- 1 or 2 mm diameter probe for narrow cavity insertion
- Dedicated intraoperative software
- Offered as disposable or reusable for convenience

*Not cleared for the U.S.

Technical Specifications

Features	Digi-Lite™ All-in-One TCD System	Digi-One™ Portable TCD Solution
Software		
Routine diagnostic	☑	☑
Unilateral monitoring (1 channel)	☑	☑
Bilateral monitoring (2 channels)	☑	☑
Emboli detection, VMR (vasomotor reactivity)	☑	☑
Intraoperative (16Mhz)*	☑	☑
Doppler Features		
Power M-Mode	☑	☑
M-Mode	64 gates (8000 channels)	64 gates (8000 channels)
Multi-gating	Up to 8 spectral windows in diagnostic, up to 2 spectral windows in monitoring	Up to 8 spectral windows in diagnostic, up to 2 spectral windows in monitoring
Probes	2Mhz (PW), 4Mhz (CW/PW), 8Mhz (CW/PW), 16Mhz (PW)	2Mhz (PW), 4Mhz (CW/PW), 8Mhz (CW/PW), 16Mhz (PW)
No. of probe connectors	5	5
Full record & replay of Spectrum + Sound + M-mode	☑	☑
Color Flow Imaging		
Digi-Lite IP™ (Optional)	☑	☑
PC Specification		
Operating system	Windows 10	Windows 7 or higher
15" color TFT LED internal	☑	Depending on PC
Touchscreen	☑	Depending on PC
RAM	4GB	Depending on PC
Hard disk	1TB	Depending on PC
Connectivity	3 USB ports, LAN	Depending on PC
Analog inputs/ outputs	8/8	-
Regulatory		
FDA, CFDA, CE and more	☑	☑
Safety class 1 type BF, MDD Class IIa, EN 60601-1, EN 60601-1-2	☑	☑
Power supply: AC 50/60 Hz 100-240 V Medical grade	☑	☑
Interfaces		
Printer	Any windows compatible	Any windows compatible
DICOM connectivity	☑	☑
General		
Dimensions	40×32×33cm	19.5×19.5×8cm
Weight	7 Kg / 15.4 lb	1 Kg / 2.2 lb
Dedicated carrying case	☑	☑
Integrated, removable & washable probe basket		☑
Customizable Remote control (New design)	☑	☑

*Not cleared for the U.S.

About RIMED



Experts in Transcranial Doppler Solutions

RIMED has been leading the Transcranial Doppler (TCD) market for over 38 years. With six generations of noninvasive TCD systems developed and marketed, our highly specialized and knowledgeable team focus solely at this market and strive to improve patient care. We are proud that our products have continually set new standards in TCD solutions.

A Reliable and Trusted Partner

Our products help clinicians potentially improve patient care in over 100 countries, with over 12,000 installations in neurology, ICU, NICU, stroke and neurosurgery units, and other clinical settings. Our proven clinical technology and successful 38 years market experience have made us a reliable and trusted provider of TCD solutions worldwide. All our products are FDA, CE and CFDA approved, and ISO 13485 certified.

Outstanding Service

We are committed to provide outstanding customer service to our partners and clinicians so you have more time to care for your patients. Our dedicated customer account handler will assist you in every aspect of your order and our expert technicians will remote access your device to quickly solve any of your technical issues.

Training to Improve Care

Our successful training program includes distributor kick-off and dedicated medical staff training days tailored to your local market needs, combined with worldwide seminars and bi-monthly webinars. It is our goal that through continuous training, we can help improve staff professional development, save you time and improve patient care.

Partner with RIMED

Rimed is Your Safe Choice for Complete Transcranial Doppler (TCD) Solution / www.rimed.com



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Caution: Federal Law restricts this device to sale by or on the orders of a physician