

«УТВЕРЖДАЮ»

Генеральный Директор
ООО «МедИнформ»



О.Е. Макарова

2008 г.

**ИНСТРУКЦИЯ
по применению
(Руководство по эксплуатации)**

**Прибор цифровой ультразвуковой диагностический М5 с принадлежностями
(смотри на диске)**

Информация получена с официального сайта
Федеральной службы по надзору в сфере здравоохранения
www.goszdravnadzor.ru

M5 Hand-carried Color Doppler Diagnostic Ultrasound System

Good Things Come in Small Packages

The launch of Mindray's new laptop-size ultrasound systems will involve users worldwide into a new time.

Ever since the foundation, Mindray has been improving self-patent medical technologies. In ultrasound, our continuous customer-centric technologies have created the world a family of versatile ultrasound products with excellent performance.

As we see it, the future of ultrasound looks even more exciting with easy-to-transport systems.

Mindray ultrasound is evolving. As innovator in sonography and patient care solutions, we are now endeavoring to allow you to perform diagnostic exams in more places. This will help shape a new age of healthcare in which ultrasound diagnosis can happen anytime and anywhere.

Ultrasound healthcare is entering the future, and so will you.



MINDRAY

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www.mindray.com

NEW

M5 Hand-carried Color Doppler Diagnostic Ultrasound System



Rely on the high performance

The M5, weighing in at 6kg, delivers large-scale functionality and greater diagnostic confidence. Much is optimized for image quality and easy optimization tools as does a multi-beam system. The M5 integrates brilliant color imaging capability with uncompromised 2D performance. The Multi-beam Parallel-imaging (MBPI) increases temporal resolution and real-time frame rate, while collecting useful information to re-build high quality images. Image Homogenization fills the frame to 50cm deep. The M5's advanced platform is designed to provide new clinical value and productivity for the healthcare environment worldwide.

The M5 offers complete imaging modes: 2D, M, PW, BPR, CW, color Power and DiPower, CW (continuous wave Doppler) and Free Xros™ Imaging (anisotropic M mode) for more accurate cardiac diagnosis. Smart3D™ leads to 3D ultrasound healthcare, iScape View™ (panoramic imaging) and trapezoidal imaging expands to a wider field of view.

*(*Smart3D and iScape panoramic imaging are only compatible on M5 Expert.)*



With its uncompromised image quality, the M5 is capable of extending your diagnosis beyond general imaging to advanced application.



The M5 is ergonomically designed as a fast and easy-to-use machine for operators of different background. With a home-based panel and operator's navigation, the M5 is ready to conduct an efficient exam. The M5 features a high-resolution 15-inch TFT monitor of wide view of angle. Magnesium alloy shell makes select the more durable.

M5 Hand-carried Color Doppler Diagnostic Ultrasound System

Bring you an easy scanning

Based on multi-language interface and user-defined presets you can customize your system for any exam type and edit your favorite specific exam package. User-defined scanning programs include image parameters, exam modes, measurement items, calculation formulae, and so on. The fast information management platform saves every second on archive storage in your urgent diagnosis and allows after-scanning analysis.

Quickly optimize the image quality with one button (touch) intelligent image optimization for better whole field grayscale and uniformity. IP (image process) for balanced parameter groups, soft keys for convenient image parameter adjustment and active screen parameter adjustment.



Easy portability

Capable to act as a cart-based DU

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Three selectable frequencies

Variety of transducer selections with 128 frequencies

Convenient Software upgradability and information transport

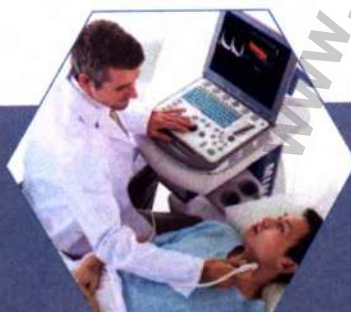
User-centric interface

Take M5 with you anytime and anywhere

Portable, with its small size, M5 is easy to transport. Its application to more places like ambulances, gymnasiums, operation rooms and hotels. Benefiting from a fast, 25-second boot-up, rechargeable batteries and light-weight multi-frequency transducers with T111 tissue harmonic imaging for better contrast and spatial resolution images, the M5 is ready for scanning wherever and whenever you are.

Patient archive including data and images can be pre-processed and stored permanently for future management. Easily store, review and manage patient data with the intelligent information management platform iStatortm shortcuts and the user-defined keys accordingly. And the M5 system integrates wireless network and plug-and-play connectivity such as DICOM, USB ports and so on.

Practical accessories wherever and whenever you need your M5.



ЭКГ Модуль - Эргономичная коробка для подключения прибора к ЭКГ через последовательный порт.

Модуль расширения V/A (V/A module). Эргономичная коробка обеспечивает подключение периферийного оборудования. Имеет: видеовыход (NTSC/PAL) для подключения видеомагнитофона, принтера или внешнего монитора, порт USB для подключения к ПК, выход S-видео, выход Ethernet, выход VGA.

Модуль расширения iDock (iDock module) Эргономичная коробка, оборудованная разъемами для подключения к сети, внешнему монитору и принтеру, и портом для скачивания ультразвукового изображения в ПК Windows с помощью пакета программ коммуникаций

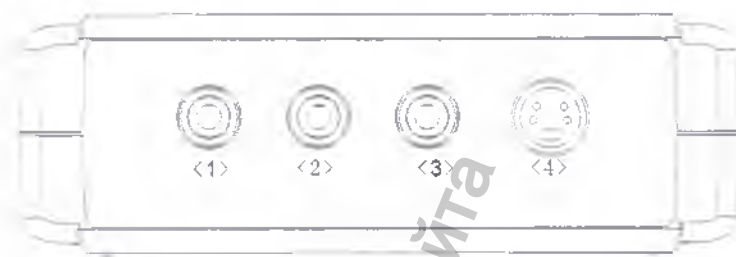
Модуль 3-мерного изображения Smart3D (Smart3D module), Модуль формирования панорамного изображения (iScape panoramic imaging module), Модуль анатомического M режима Xros (Xros anatomic M mode imaging module), доплер постоянно-волновой CW - программы расширяющие технические возможности уз сканера

DVD-привод с внешним портом USB присоединяется к уз сканеру, с помощью его можно устанавливать дополнительные модули (Smart3D, Xros, iScape)

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3. V/A Extend Module

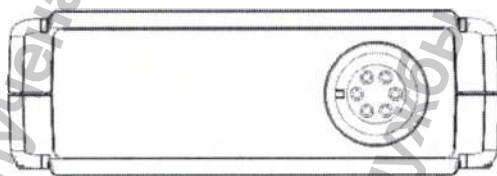
The module is connected to the USB port of the main unit via a USB cable.



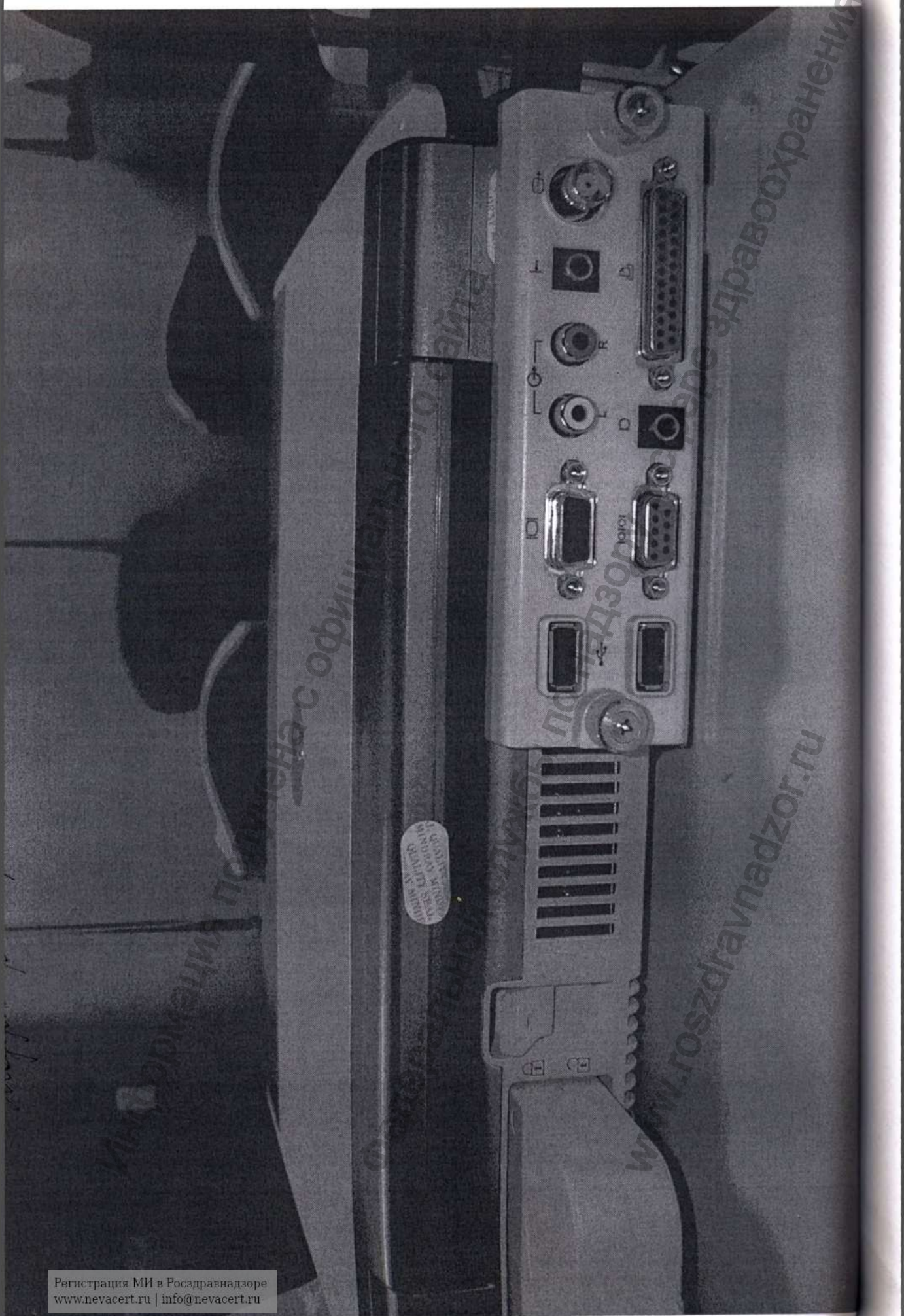
No	Name & Symbol	Function
<1>	Audio input port	Used for audio signal input port
<2>	Audio input port	Used for audio signal input port
<3>	Composite video input port	Used for composite signal video input
<4>	Separate video input port	Used for separate signal video input

4. ECG Module

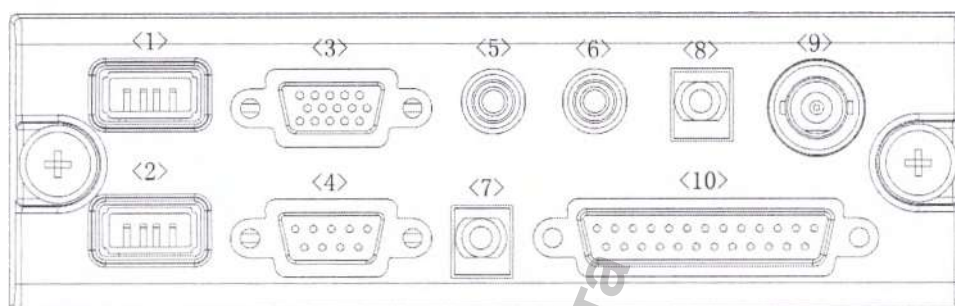
The module is connected to the USB port of the main unit via a USB cable.











Name	Function
ECG lead port	Used for ECG signal input



2. IO Extend Module



No	Name & Symbol	Function
<1>, <2>	USB port 	Connects USB devices.
<3>	VGA output port 	Connects a display or projector
<4>	Serial port 	Connects serial port devices
<5>, <6>	Audio output port 	Used for audio signals of PW sound from DVD output or audio comments
<7>	Mic In port 	Reserved (Connects a microphone used for receiving audio comments when a recorder is used to record images)
<8>	Remote control port 	Connects the control port of the video printer
<9>	Composite video output port 	Used for receiving the output image signal of the video printer or recorder
<10>	Parallel port 	Reserved. (Connects the parallel port devices)