

MSLCU42Plus

Technical Parameters



1	Summary of main specifications and system of laptop 4D color Doppler color Doppler ultrasound
1.1	Laptop type all digital color Doppler ultrasound host
1.2	Ultrasonic host operating system: Windows7 operating system
1.3	Spectrum pulse Doppler
1.4	Direction energy Doppler
1.5	Real time three synchronization
1.6	Space composite imaging: the requirement is 3 level, visual adjustable.
1.7	Organized harmonic imaging technology
1.8	4B imaging mode
1.9	One key intelligent optimization
1.10	Support multilingual user interface
1.11	Monitor: 15 inches, high definition LED
1.12	Physical clipboard: save the image on the left side of the screen, which can be deleted directly.
1.13	The system has the function of on-the-spot upgrade
1.14	Presupposition: for different inspection of the viscera, preset the inspection conditions for the best image, reduce the adjustment of the operation, and the commonly used external adjustment and combination regulation.
1.15	Support real-time 3D imaging function
1.16	Language: Chinese/English/Russian/Spanish/French/Arabic/Vietnamese/Portuguese/Indonesian
1.17	The probe interface is 1
2	Probes:
2.1	Convex probe: 2.0MHz/3.0MHz/3.5MHz/4.0MHz/5.5MHz,
2.2	Linear probe: 6.0MHz/6.5MHz/7.5MHz/10.0MHz/12.0MHz,
2.3	Trans-vaginal probe: 5.0MHz/6.0MHz/6.5MHz/7.5MHz/9.0MHz,

2.4	R11 Micro convex probe: 2.0MHz/3.0MHz/3.5MHz/4.0MHz/5.5MHz/6.0MHz/7.5MHz/10MHz, Vet
2.5	R15 Micro convex probe: 2.0MHz/3.0MHz/3.5MHz/4.0MHz/5.5MHz/6.0MHz/7.5MHz/10MHz, Human
2.6	Phased array probe: 2.1MHz/3.0MHz/3.5MHz/4.0MHz/5.0MHz,
2.7	4D Volume probe: 2.0MHz/3.0MHz/3.5MHz/4.0MHz/5.5MHz,
2.8	The above probe has harmonic frequency (providing picture proof).
2.9	It can be selected according to customer needs: Convex array probe, Linear array probe, Rectal probe, Micro convex probe, Phased array probe, 4D Volume probe. Under each probe, there is a selection of specialist and viscera mode and rapid entry detection.
3	Two-dimensional imaging mode
3.1	Gain: 0-100, step 2 visible adjustable
3.2	TGC:8 segment adjustable
3.3	Image optimization: visible and adjustable over 6 levels
3.4	Dynamic range: 0-270dB 15 level visual adjustable
3.5	False color: 7, visible and adjustable
3.6	Smooth treatment: 8, visible and adjustable
3.7	Edge enhancement: 8, visible and adjustable
3.8	Sound power: 0-15, step 7%, visible adjustable
3.9	Display depth: ≥ 320 mm,
3.10	Maximum focus number: 4 focal points, which can be moved throughout the whole process.
3.11	Scan line density 256 visible tunable
3.12	Gray scale: 1-16 level visible visible and adjustable
3.13	Filtering, 3 kinds
3.14	Scanning range, 50%-100%
3.15	Frame correlation, 0-4 level, visible and adjustable
3.16	The screen has 14 forms of real time display of voice power, probe frequency, dynamic range, pseudo color, grayscale and so on.
4	Color imaging mode
4.1	Color frequency: ≥ 7 frequency conversion, visible adjustable
4.2	Color deflection: equipped with
4.3	C afterglow 8, visible and adjustable
4.4	Color map: 7, visible and adjustable
4.5	Color reversal: adjustable
4.6	B/C split screen synchronous display function: equipped with
4.7	Color baseline: 7, visible and adjustable
4.8	Color line density: adjustable
5	Spectrum Doppler mode
5.1	Sampling volume angle correction: -80 degree to 80 degree adjustable
5.2	Sample volume: 0.5mm-48mm visually adjustable
5.3	Frequency: ≥ 5 , visible and adjustable

5.4	Baseline: ≥ 7 adjustable
5.5	Smooth: 8 files can be adjusted
5.6	False color: 7 kinds of adjustable
5.7	Maximum display blood flow measurement speed 25m/s, minimum resolvable blood flow measurement speed: 0.1mm/s
6	Measurement and analysis function:
6.1	General measurement distance, area, angle, time, slope, heart rate, velocity, acceleration, spectrum tracing, resistance index / pulsatility index, etc.
6.2	Professional software package: abdomen, volume, ratio, obstetrics and Gynecology, small organs, carotid artery, Urology, orthopedics, peripheral blood vessels, heart.
7	Graphic and text management system
7.1	Host built in $\geq 120G$ solid state hard disk to start fast and stable
7.2	Movie playback: 600 frames
7.3	Internal patient file information management system: can record patient number, name, check number, check date and so on, and can be searched and managed by numbering, checking number, name and so on.
7.4	Report type 3 species
7.5	One key fast report graphic and text management
8	Interface
8.1	USB interface: 3
8.2	Audio interface: 1
8.3	HDMI interface: 1
8.4	LAN interface: 2
9	Technology, after-sales service and other requirements
9.1	After acceptance, the warranty is free for two years
9.2	Manufacturer has ISO13485 certification and EU CE certification.