

SonoEye G2

Datasheet

V1.0

General Information

Dimensions

- Dimensions of main unit (approx.): 64mm (Width) *170mm (Length) *24mm (Height)

Electrical Power

- Power Requirements: DC 5V,
- Power Consumption: ≤10VA

System Overview

Applications

- Carotid
- Thyroid
- MSK
- Subcutaneous_Fat
- Basilic
- IV
- Breast
- Vertebral
- Nerve
- LEV
- Lung
- Phantom

Scanning Method

- Electronic linear

Transducer Types

- SonoEye G2: 4.5MHz-10.0MHz / FHI 7.0MHz-FHI 12.0MHz 40mm Linear Array

Image Modes

- B Mode
- B/M Mode
- C Mode

Display Mode

- Duplex mode: B+C, B/M

Display Annotation

- Logo
- Mechanical index
- Tissue thermal index
- End
- Menu
- Probe Selection
- Probe connection status
- Patient ID
- System status (real-time or frozen)
- Gray /Color bar
- Measurement results window
- Probe type
- Bottom menu area
- Imaging parameters

Standard Configuration

- B mode
- B/M mode
- C mode
- Archives
- EasyView
- Report
- Tutorials
- Biopsy

- FHI
- AIO
- Zoom and Depth
- Print
- WorkList
- Bluetooth and Mail sending
- Save preset values
- Local export
- Annotation/ Posture map/ Arrow
- Center Line
- Network transmission
- Image freezing and thawing
- Adjustable 8-segment TGC
- Gain adjustment
- Composite imaging(built-in)
- Multi-language switching
- Report page

Software Option

- Super Needle
- Lung
- DICOM
- SonoRemote

Hardware Option

- BA01: Arm bag
- BA02: Belt bag(Including 2 bags, one for SonoEye system and another for mobile phone.)
- BA03: Messenger bag
- CS01: Carrying case
- CS02: Carrying metal case
- CS03: Carrying case for 2 systems
- SD01: Stand for Pad
- CV01: Sterile probe cover

- GL01: sterile ultrasound gel

Peripheral equipment

- WIFI Printer
 - Canon CP1300
 - Color Laser Jet Pro M252dw

Imaging Processing and Presentation

B Mode

- Gain : 0-255
- TGC : 8 segments
- Depth : Max.14.8cm
- Freq. : 4.5MHz-10.0MHz / FHI 7.0MHz- FHI 12.0MHz
- Focus Number : 1
- Focus Position : 16 steps

C Mode

- Gain : 0-255
- Freq. : 6.5MHz
- Steer :-20-20
- PRF: 700Hz-6000Hz

B/M Mode

- Gain : 0-255
- MV: 1-4

Cineloop

- Support B, C, B/M
- Cineloop auto/manual
- Demo: slide show function

Storage

- Still images storage format: PNG

- Still images export format: PNG/DCM
- Cine loops storage format: MP4
- Cine loops export format: MP4 /DCM
- Fast storage setting

EasyView

- Image review Layout: 1×1, 2×2, 3×3, 4×4, 6×6
- Image management

Exam Review

- Search Exam
- Exam review: patient view
- Exam management
 - Delete selected exam
 - Export selected exam
 - Selected all
 - Review selected Exam
 - Continue selected Exam

Measurement & Calculation**General Measurement Package**

- General B mode measurement
 - Distance
 - Perimeter/Area
 - Volume
- General B/ M mode measurement
 - Distance
 - Perimeter/Area
 - Volume
 - M Distance
 - M Time
 - HR

Vessel Measurement Package

- Vessel B mode measurement

- IMT(Auto)
- StD%
- StA%
- Vessel B/M mode measurement
 - IMT(Auto)
 - StD%
 - StA%

Small Parts Measurement Package

- Small Parts B mode measurement
 - Thyroid
 - Breast
- Small Parts B/M mode measurement
 - Thyroid
 - Breast

Urology Measurement Package

- Urology B mode measurement
 - Residual
 - Prostate
 - Bladder
- Urology B/M mode measurement
 - Residual
 - Prostate
 - Bladder

Abdomen Measurement Package

- Abdomen B mode measurement
 - CBD
 - GB Wall
 - Liver Length
 - Spleen
 - Renal Vol.

- GB Volume
- Abdomen B/M mode measurement
 - CBD
 - GB Wall
 - Liver Length
 - Spleen
 - Renal Vol.
 - GB Volume

OB Measurement Package

- OB B mode measurement
 - BPD
 - FL
 - AC
 - HC
 - CRL
 - GS
 - AFI
- OB B/M mode measurement
 - BPD
 - FL
 - AC
 - HC
 - CRL
 - GS
 - AFI

Gynecology Measurement Package

- Gynecology B mode measurement
 - Left
 - Follicle1
 - Follicle2
 - Follicle3

- Follicle4

- Follicle5

- Follicle6

- Follicle7

- Follicle8

Right

- Follicle1

- Follicle2

- Follicle3

- Follicle4

- Follicle5

- Follicle6

- Follicle7

- Follicle8

● Gynecology B/M mode measurement

Left

- Follicle1

- Follicle2

- Follicle3

- Follicle4

- Follicle5

- Follicle6

- Follicle7

- Follicle8

Right

- Follicle1

- Follicle2

- Follicle3

- Follicle4

- Follicle5

- Follicle6

- Follicle7

- Follicle8

Pediatrics Measurement Package

- Pediatrics B mode measurement
 - HIP
- Pediatrics B/M mode measurement
 - HIP

Cardiac Measurement Package

- Cardiac B mode measurement
 - IVC
 - LVOT
 - Mitral Value
 - Other
- Cardiac B/M mode measurement
 - IVC
 - LVOT
 - Mitral Value
 - Other

System Setup

By using system setup, users could

- **Archive**
- **EasyView**
- **Report**
- **Setting**
 - General
 - Language
 - Button Configuration
 - Reset
 - Optimize SonoEye Usage
 - Administrator
 - Firmware Update
 - Print Management
- **Save Preset**
- **Export Destinations**
- **Modality Worklist**
- **Tutorials**
- **Demo**
- **About**
 - Function Management
 - Help and Feedback
 - Maintenance
 - Terms and Condition
 - Privacy Policy

Multi-language Display Interface

- English
- Chinese
- Deutsch
- Italiano

For others in detail, please contract with CHISON.

Inputs & Outputs

- Type C: 1

Operating Conditions

- Ambient temperature: 10°C to 38°C
- Relative humidity: 30% to 75% (no condensation)
- Atmospheric pressure: 700 hPa to 1060 hPa

Storage and Transport

- Ambient temperature: -10°C to 50°C
- Relative humidity: ≤80% (no condensation)
- Atmospheric pressure: 700 hPa to 1060 hPa

Not all features or specifications described in this document may be available in all probes and/or modes.

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