

SonoEye P3

Datasheet

V1.0



General Information

Dimensions

- Dimensions of main unit (approx.): 64mm (Width) *173mm (Length) *24mm (Height)

Electrical Power

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

System Overview

Applications

- Cardiac,
- ABD
- Lung

Scanning Method

- Electronic phased array

Transducer Types

- P3: 2.5-4.0MHz Phased array

Image Modes

- B Mode
- B/M Mode
- C Mode
- PW 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
- PW mode
- Archives
- EasyView
- Report
- Tutorials

Software Options

Lung Analysis

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

Imaging Processing and Presentation

B Mode

- Gain : 0-255(256 steps)
- TGC : 8 segments
- Depth : Max.22.7cm(Depends on the probes)
- Freq. :2.5MHz- 4.0MHz
- Focus Number : 1
- Focus Position : 16 steps
- Zoom
- FHI

C Mode

- Gain : 0-255 (256 steps)
- Freq. : 2.5MHz

PW Mode

- Gain : 0-255 (256 steps)
- Angle : -70-70
- Baseline : -3-3 (7 steps)
- SV : 1-8mm
- Freq. : 2.5MHz

B/M Mode

- Gain : 0-255 (256 steps)
- MV: 1-4

Cineloop

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

Storage

- Still images storage format: PNG
- Still images export format: PNG
- Cine loops storage format: MP4
- Cine loops export format: MP4
- 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**
 - Software packages for various specific clinical use
 - Comprehensive analysis methods
 - Clinical analysis reports
- **General measurement package**
- General B mode measurement
 - Distance
 - Area
 - Volume
- General B/ M mode measurement
 - M Distance
 - M Time
 - HR
- General PW mode measurement
 - Velocity
 - Time
 - Auto Trace

Clinical Analysis Packages

- B mode Vessel measurement
 - StD%
 - StA%
- PW mode Vessel measurement
 - Acceleration
 - Auto Trace
- B mode Abdomen measurement
 - CBD
 - GB Wall
 - Liver Length
 - Spleen
 - Renal Vol.
 - GB Volume
- B mode Cardiac measurement
 - IVC
 - LVOT

- Mitral Value
- Other

System Setup

By using system setup, users could

- **Archives**
- **EasyView**
- **Report**
- **Setting**
 - General
 - Language
 - Button Configuration
 - Administrator
 - Firmware Update
 - Function Management
- **Tutorials**
- **Demo**
- **About**

Multi-language Display Interface

- English
- Chinese
- Deutsch
- 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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