

# SonoEye P3

## Datasheet

V1.0

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## 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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