SonoEye P5

Datasheet

V1.0



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General Information

Dimensions

- Dimensions of main unit (approx.): 64mm（Width）*172mm（Length）*24mm（Height）

Electrical Power

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

System Overview

Applications

- ABD
- Kidney
- OB
- GYN
- Lung

Scanning Method

- Electronic convex array

Transducer Types

- SonoEye P5 3.0MHz- 5.0MHz Convex 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
- Archive
- 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.19.5cm(Depends on the probes)
- Freq.: 3.0MHz- 5.0MHz
- Focus Number :1
- Focus Position : 16 steps
- Zoom
- FHI

Color Mode

- Gain: 0-255 (256 steps)
- Freq.: 3.0MHz

PW Mode

- Gain:0-255 (256 steps)
- Angle: -70-70
- Baseline: -3-3 (7 steps)
- SV:1-8mm
- Freq.: 3.0MHz

B/M Mode

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

Cineloop

- Support B, B/M, C，PW

- Cineloop auto/manual
- User-define start and end frame of cine review
- Slide show: 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 OB measurement
  - BPD
  - FL
  - AC

- HC
- CRL
- GS
- AFI

- 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
  - Fireware 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%
- Atmospheric pressure: 700 hPa to 1060 hPa

Storage and Transport

- Ambient temperature: -10°C to 50°C
- Relative humidity: ≤80% (non-condensing)
- 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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