FUJIFILM
Value from Innovation

SonoSite iViz

SPECIFICATION SHEET

3
TECHNOLOGY DRIVEN
3-YEAR STANDARD WARRANTY

iViz is a powerful diagnostic tool all within the palm of your hand. The SonoSite iViz was designed to go with you, where you need it. With the iViz in your pocket, you will be ready to tackle those tough clinical questions, whether it be at the bedside or in the field. iViz delivers this value by combining excellent imaging performance, ultra-mobility and ergonomic one-handed operation.

FUJIFILM
Value from Innovation

SonoSite iViz

GENERAL SPECIFICATIONS

System Weight:	570 g (includes battery in system)
Screen Size:	7"/17.8 cm high-resolution display dual touch screen
Image Size:	1472 x 1104 pixels
Screen Resolution:	1920 x 1200 pixels
Dynamic Range:	Up to 170 dB
Gray Scale:	256 shades
HIPAA compliance:	Comprehensive tool set
Multi-touch gestures for system controls:	Tap, Pinch and Expand, Swipe (Scroll), Press, and Drag
System Boot up:	< 35 secs
Operating System:	Android 4.4.2 OS
Thermal Index:	TIB, TIC, TIS
Features:	Rear and front camera Protective case with kickstand

IMAGING MODES

2D/ Tissue Harmonic Imaging/ M-Mode/ Velocity Color Doppler/ Color Power Doppler

TRANSDUCERS

Model	Bandwidth	Applications	Scan Depth	Direct Clear
P21v	5-1 MHz Phased	abdominal, cardiology, lung, ob	32 cm	Yes
L38v	10-5 MHz Linear	lung, nerve, superficial, arterial, venous, breast, ophthalmic, MSK	9 cm	No
C60v	5-2 MHz Curved	abdomen, gyn, ob, nerve, MSK	30 cm	Yes
L25v	13-6 MHz Linear	ophthalmic, arterial, venous, lung, superficial, nerve, MSK	6 cm	No

IMAGE PROCESSING

SonoADAPT Tissue Optimization
SonoHD3 Imaging Technology
4x Live Pan/Zoom Capability
Dynamic Range and Gain
ColorHD™ Technology

STORAGE

64 GB internal flash memory storage (potential to store 250,000 images or 4,000 4-second clips)

Clip store capability (maximum single clip length: 30 seconds, prospective/ retrospective)

Cine review up to 256 frame-by-frame images

MEASUREMENT TOOLS AND ANNOTATIONS

2D: Distance calipers, ellipse and manual trace

M-Mode: Distance and time measurement, heart rate calculation

User-selectable text labels

User-defined, application specific annotations

CONNECTIVITY (EXTERNAL DATA MANAGEMENT)

Wireless Printing

MicroUSB

Bluetooth Capabilities

SonoSite Patient Data Archival Software (PDAS) for Wireless/Wired Image, Report Management

DICOM® Image Management (TCP/IP):
Store and Modality Work List

PC Workstation Image Management (TCP/IP, USB):
Direct writing capability to USB 2.0 mass storage removable media, including DICOM format (PC and MAC compatible)

Supported export formats are: DICOM, MPEG-4, AVI

Utilize Tricefy™ to email, review and store images in the cloud (anonymized and/or fully encrypted)

Ports, External Video/Audio include HDMI to external display, micro HDMI

Integrated speaker

RELIABILITY AND DURABILITY

The system in case with a kickstand shall withstand drop test to 3 feet.

iViz transducers meet all applicable parts of IEC 60601-1, clause 15.3 for mechanical strength. Additional to this, all transducers shall withstand drop test to 3 feet.

Transducers manufactured by SonoSite meet all Non-Operational Vibration Testing requirements of U.S. Department of Defense Test Method MIL-STD-810G, Category 24.

IPX-7 (watertight equipment) ultrasound transducers.

FUJIFILM
Value from Innovation

SonoSite iViz

TRANSDUCER SPECIFICATIONS

Transducer	Exam Types	Bandwidth (MHz)	Elements	Scan Depth (cm)
P21v	Abdominal, Cardiac, Lung, OB	5–1	64	32
L38v	Lung, Nerve, Superficial, Arterial, Venous, Breast, Ophthalmic, MSK	10–5	128	9
C60v	Abdomen, GYN, OB, Nerve, MSK	5–2	128	30
L25v	Arterial, Venous, Lung, Superficial, Nerve, Ophthalmic, MSK	13–6	128	6

IMAGE MODES

2D/B-mode
a. Broadband Imaging
b. Tissue Harmonic Imaging

M-Mode (M-Mode slow, medium, fast sweep speeds)

M-Mode is available on all exams

Color Velocity Doppler (CVD)

Color Power Doppler (CPD)

B-MODE IMAGING

B-mode Controls:
a. Depth
b. 2D Mode (Near, Far, and Overall gain)
c. 2D Mode THI
d. 2D optimization (Res, Pen)
e. Dynamic Range (adjustable +2/-2)
f. Image Orientation (U/R, U/L)

Scan depth: 5.1–32 cm

Support acquisition frame rate up to 30 Hz

B-mode Imaging features:
a. Tissue Harmonic Imaging (THI): Transmit at a low frequency and receive at a higher harmonic frequency to reduce clutter, improve lateral resolution and enhance tissue contrast
b. SonoHD3: Image processing algorithm that reduces speckle and noise, enhances image quality and border detection

Pinch and Expand Zoom

Supports multiple focal zones to improve resolution and uniformity

COLOR IMAGING: CVD AND CPD

CVD/CPD Controls/options:
a. Color Gain
b. Color Type (CVD, CPD)
c. Color Scale
d. Color Flow States (High, Medium, Low)
e. Color Wall Filter (High, Medium, Low)
f. Color Box adjust (size, and steer) thumb controlled

Max PRF used is 4808 Hz

USER INTERFACE AND PROGRAMMABLE CONTROLS

High-resolution dual touch screen display

One-handed fit and control, LT or RT thumb-operated UI

Multi-touch gestures for system controls

Clinical Display Information

Virtual Keyboard

Image Acquisition Keys: Save, Review, Report, Video Clip Store

Embedded and custom image labeling

ONBOARD GUIDES

Integrated procedure protocols: eFAST, FATE, RUSH

On-board Product Tutorials

On-board App based Education Tutorials

On-board User Guide

ONBOARD IMAGE AND CLIP STORAGE REVIEW

2D Cine Review: 256 frames (review)

M-Mode Cine Review: 16.4 seconds

Internal Memory: 64 GB

Thumbnail review of saved images and clips

Prospective and Retrospective Clip Store

Video Clip Save Lengths: 2, 4, 6, 10, 15, 30 and 60 seconds

Image Export Format: PNG, DICOM

Report Export Format: PDF

Video Export Format: AVI, MP4

Clip Size:
AVI Format: 442 MB
MP4 Format: 52.2 MB

Time limit:
Prospective mode: 60 seconds
Retrospective mode: 30 seconds

GENERIC MEASUREMENTS

Up to 8 generic measurements at once

2D: Distance, Ellipse + Generic Volume, and Heart Rate

Editable results data sheets and reports

FUJIFILM
Value from Innovation

SonoSite iViz

CALCULATION PACKAGES

Ob/Gyn/Fertility:

Measurements: Distance/Ellipse/Trace/Volume, GS, CRL, Yolk Sac, BPD, HC, AC, FL, HL, AFI, Cervix Length, Cerebellum

Calculations: Estimated Fetal Weight, Estimated Due Date, Amniotic Fluid Index, Average Ultrasound Age

Cardiac:

Measurements: Distance/Ellipse/Trace/Area, RVWd, RVDd, IVSd, LVDd, LVPWd, RVWs, RVDs, IVSs, LVPWs, MVA, AVA

Calculations: Ejection Fraction, Fractional Shortening, Volume Area, Stroke Volume, LA/Ao, CI, SI

DICOM IMAGE MANAGEMENT

Store/Modality Worklist

Archive Specific Server: Educational

Structured Reporting

Capable of transferring images to a DICOM or Cloud Based Archiver/PACS

DICOM 3.0 compliant

CONNECTIVITY AND EXTERNAL DATA MANAGEMENT

1 – Micro 2.0 USB Port

1 – Micro 1080p HDMI video output

Trice Encrypted data transmission (cloud based storage/archive)

SECURITY

Security features:

- WPA / WPA2 PSK
- 802.1x EAP (WPA2 Enterprise).

EAP methods:

- PEAP w/ MSCHAPv2, GTC and certificates
- TTLS w/ PAP, MSCHAP, MSCHAPv2, GTC and certificates
- TLS w/ certificates
- PWD (password)

WARRANTY

3 year standard warranty on system and transducer

WIRELESS SOLUTIONS

Embedded Wireless Option: 802.11 a/b/g/n, 2.4 GHz and 5 GHz

Bluetooth 4.0

Security policies: WPA – Enterprise, Personal, WPA2 – Enterprise, Personal, EAP – TLS, PEAPvO/EAP – MSCHAPv2

WiFi "Print" enabled

ACCESSORIES

Additional 2 bank battery charger

4 – International power supply adapters

Protective case

Custom carry cases

Micro USB drive

POWER SUPPLY

System operates via battery (3 – included)

Input: 100-240 VAC, 0.1-0.3 A, 50-60 Hz

Output: 5V dc, 2 A max; 10 W max

Rechargeable swappable lithium-ion battery

Battery Capacity: 7.4 V, 2.0 Ah (14.8 Wh)

Scan time: 1-hour continuous scanning – use model is quick look intermittent scanning. Please note that scan time may vary depending on applications (color box etc)

Battery charge time: 120 minutes in external 2 bank charger, 4 hours' charge time with battery in the system if USB charger is used

Battery life: 1 year

SAFETY CONFORMANCE

Conforms to the applicable clauses of the following safety standards:

IEC 60601-1

IEC 60601-1-2

IEC 60601-1-6

IEC 60601-2-37

NEMA UD3

ISO 10993-1

EN 300 328

IEC 62304

IEC 62366

EMC emissions group one class B requirements per CISPR 11/EN 55011

FUJIFILM
Value from Innovation

FUJIFILM SonoSite, Inc.
Worldwide Headquarters
21919 30th Drive SE, Bothell, WA 98021-3904
Tel: +1 (425) 951 1200 or +1 (877) 657 8050
Fax: +1 (425) 951 6800
www.sonosite.com/product/sonosite-iviz

SonoSite Worldwide Offices
FUJIFILM SonoSite Australasia Pty Ltd: Australia 1300 663 516
FUJIFILM SonoSite Australasia Pty Ltd: New Zealand 0800 888 204
FUJIFILM SonoSite Brazil . . . . . +55 11 5574 7747
FUJIFILM SonoSite Canada Inc. . . . . +1 888 554 5502
FUJIFILM (China) Investment Co., Ltd . . . . . +86 21 5010 6000
FUJIFILM SonoSite GmbH – Germany . . . . . +49 69 80 88 40 30
FUJIFILM SonoSite, Inc. – USA . . . . . +1 425 951 1200
FUJIFILM SonoSite India Pvt Ltd. . . . . +91 124 288 1100
FUJIFILM SonoSite Iberica SL – Spain . . . . . +34 91 123 84 51
FUJIFILM Medical Co., Ltd. – Japan . . . . . +81 3 0418 7190
FUJIFILM SonoSite Korea Ltd . . . . . +65 6380 5589
FUJIFILM SonoSite Ltd – United Kingdom . . . . . +44 1462 341 151
FUJIFILM SonoSite SARL – France . . . . . +33 182 880 702

MKT02988 11/2017