



uREzpocus Ultrasound Series

/ Data Sheet /



**Wireless and Handheld
Mobile
Ultrasound
Scanner**

echo your future

/ Data Sheet /

Point-of-Care Ultrasound for the Modern World

About *uREzpocus*

Norland's Ultrasound Imaging System (Model: *uREzpocus*) is a wireless handheld ultrasound device intended for use by qualified physicians and healthcare professionals. With the flexibility of *uREzpocus* transducers, healthcare professionals can now perform ultrasound evaluations anywhere and everywhere needed for optimal patient care.






uREzpocus transducers pair easily with any iOS or Android device for convenient, reliable, wireless, and user-friendly use. With high-resolution imaging, clinicians can effortlessly complete their ultrasound assessment without the hassle of cords and with the convenience of a truly portable ultrasound device. Whether in a hospital, family practice, home health, ambulance, or anywhere in between, Norland's Ultrasound Imaging System will be every physician's new favorite tool for convenient ultrasound imaging.



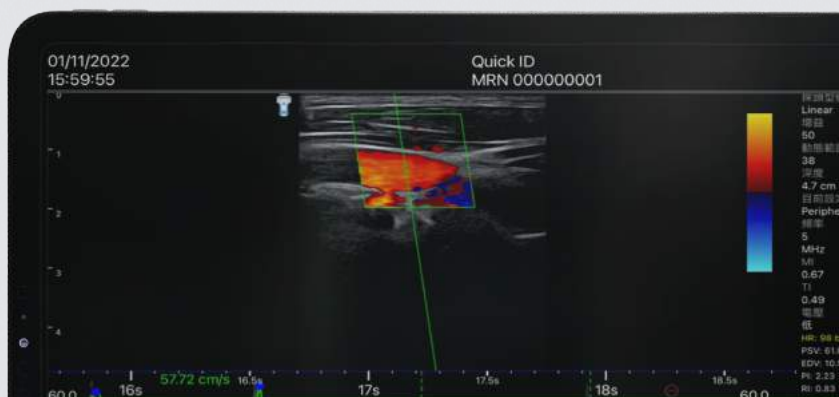
/ Data Sheet /

Point-of-Care Ultrasound for the Modern World

uREzpocus Probe Types

Model	 uREzpocus Linear	 uREzpocus Convex	 uREzpocus Microconvex	 uREzpocus Heart	 uREzpocus Endocavity
Center Freq.(MHz)	7.5	3.2	6.2	2.7	6.2
Frequency (MHz)	5.0-12.0	2.0-5.0	4.0-8.5	1.7 - 3.7	4.0-8.5
Max. Depth(cm)	6	18	12	18	15
FoV	-	60°	100°	90°	151°
Elevation Focus (cm)	2	8	4	9	3
Pixel Pitch (µm)	300	326	264	300	206
Presets	Peripheral Vessels, Thyroid, Breast, Superficial, MSK Carotid, Superficial Mirror	Abdomen, Abdomen difficult, Renal, GYN, OB Early, OB Mid/Late, Spleen, Bladder Meas., FAST	Abdomen, Abdomen Difficult	Cardiac Abdomen	Abdomen, Abdomen Difficult
No. of Elements	128	128	128	64	128
Dimensions(mm)	178x74x40	187x74x40	190x74x40	194x74x40	370x74x40
Weight (g)	357	388	340	350	412
Connectivity	DICOM 3.0*				
OS	iOS & Android				

(*optional)



/ Data Sheet /

System Architecture

- 12-bit ADC with sample rate 50MHz
- 32 channel ADC system
- Adjustable FPS design
- Battery operating time up to 4 hours. Charge time 3-4 hours.
- Wireless (Wi-Fi) or Wired (USB3.0) transmission

Image Modes (*optional)

- B mode • M mode • Color Doppler* • Power Doppler* • Pulsed Wave*

Mobile Platform

- iOS tablet or smartphone via dedicated uREzpocus app.
- Android tablet or smartphone via dedicated uREzpocus app.

Functions

Parameter tuning

- Frequency
- THI
- Gain
- TGC
- Image Enhancement
- FPS
- Dynamic Range
- Gray Map
- Freeze Timer
- Mirror
- Line Density
- Persistence
- M PRF
- Color PRF
- Color Gain
- Steering Angle
- Color Wall Filter
- Color Threshold
- PW Angle
- PW Gate
- PW Baseline
- PW Reverse
- PW PRF
- PW Gain
- PW Wall Filter

Annotation

Body Mark

Measurement Tools

- Distance
- Area
- Angle
- Arrow
- Mark

Data Export

- JPG, PNG, BMP, MP4
- PDF Report
- DICOM*

Data Storage

- Local export
- DICOM Worklist and Store*

(*optional)



/ Data Sheet /

Safety Conformance

- IEC 60601-1:2005+AMD1:2012 / EN 60601-1 :2006+ A1 2013 CSV Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
- IEC 60601-1-2: 2014 / EN 60601-1-1 :2015 Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic Capability - Requirements and tests
- EN IEC 60601-2-37 2008 Medical electrical equipment - Part 2-37: Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment
- ISO 10993-1 2009 Biological evaluation of medical devices - Part 1: Evaluation and testing within a risk management process
- AIUM/NEMA UD 2- 2004 2009 NEMA Standards Publication UD 2-2004 (R2009) Acoustic Output Measurement Standard for Diagnostic Ultrasound Equipment, Revision 3. (Radiology)
- AIUM/NEMA UD 3- 2004 2009 NEMA Standards Publication UD 3-2004 (R2009) Standard for Real-Time Display of Thermal and Mechanical Acoustic Output Indices on Diagnostic Ultrasound Equipment
- EN IEC 62304 2006 Medical device software - Software life cycle processes
- IEC 62366-1: 2015/EN 62366-1:2015 Medical devices - Application of usability engineering to medical devices
- IEC 60601-1-6 / EN 60601-1-6 Usability
- ISO 15223-1 2016 Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied
- ISO 13485 2016 Medical Devices - Quality Management Systems - Requirements for Regulatory Purposes
- EN ISO 14971:2012-Medical devices. Application of risk management to medical devices
- EN ISO 10993-1:2009 -Biological evaluation of medical devices - Evaluation and testing within a risk management process
- EN ISO 10993-5:2009 -Biological evaluation of medical devices - Tests for in vitro cytotoxicity
- ISO 10993-10:2010-Biological evaluation of medical devices. Tests for irritation and skin sensitization

/ Data Sheet /

About Us

Swissray International, Inc. and Norland at Swissray have long pioneered the development of several industry leading medical imaging technologies including DR X-Ray, Bone Densitometry (DXA), MRI, and now Ultrasound. The North American Headquarters of Swissray is in Mahwah, NJ.

Swissray currently provides a full range of cutting-edge medical imaging systems designed for any application in healthcare. With years of extensive clinical experience, Swissray has collaborated with leading radiography professionals and renowned healthcare facilities across the globe to deliver the world's best medical imaging solutions. We offer our products through direct sales and/or third-party partners. Swissray provides direct National Service through our robust network of direct Field Service Engineers.

Point-of-Care Ultrasound (POCUS) technology provides an opportunity for the ultrasound to enter small clinics, ambulatory care, home care, emergency medical services, emergency departments, sports medicine, and many more, to provide customers with great value. We take the mission of improving the quality of human life through innovative technology to provide high-quality and user-friendly medical products and services. Swissray International aims to provide the best high performance and most reliable POCUS system available.

Contact Us

USA : One International Blvd, Suite 400, Mahwah, NJ 07495, USA

Taiwan : 7F, No. 87 Xinhua 1st Rd. Taipei City 114, Taiwan

📍 <http://www.swissray.com/SRI/> ✉ Norland@Swissray.com

☎ +1 888-741-0413