

Introduction

MicrUs EXT is a compact, cost-effective pocket-size ultrasound scanner delivering high-definition images to smartphones, tablets, or PCs. It is compatible with a broad array of probes, making it versatile for healthcare professionals in various settings.

Applications

- Primary Care
- Vascular Access
- Anesthesia
- Andrology
- Breast
- Vascular
- Surgery
- Musculoskeletal
- Abdominal
- Urology
- OB/GYN
- Pediatrics
- Lungs



System Overview

Imaging Modes

- B
 - B-steer for linear probes
 - Compound for 40mm linear probes
 - Trapezoid for 40mm linear probes
- B+B
- 4B
- B+M
- M
- Pulsed Wave Doppler (PWD)
- B+PWD (Duplex)

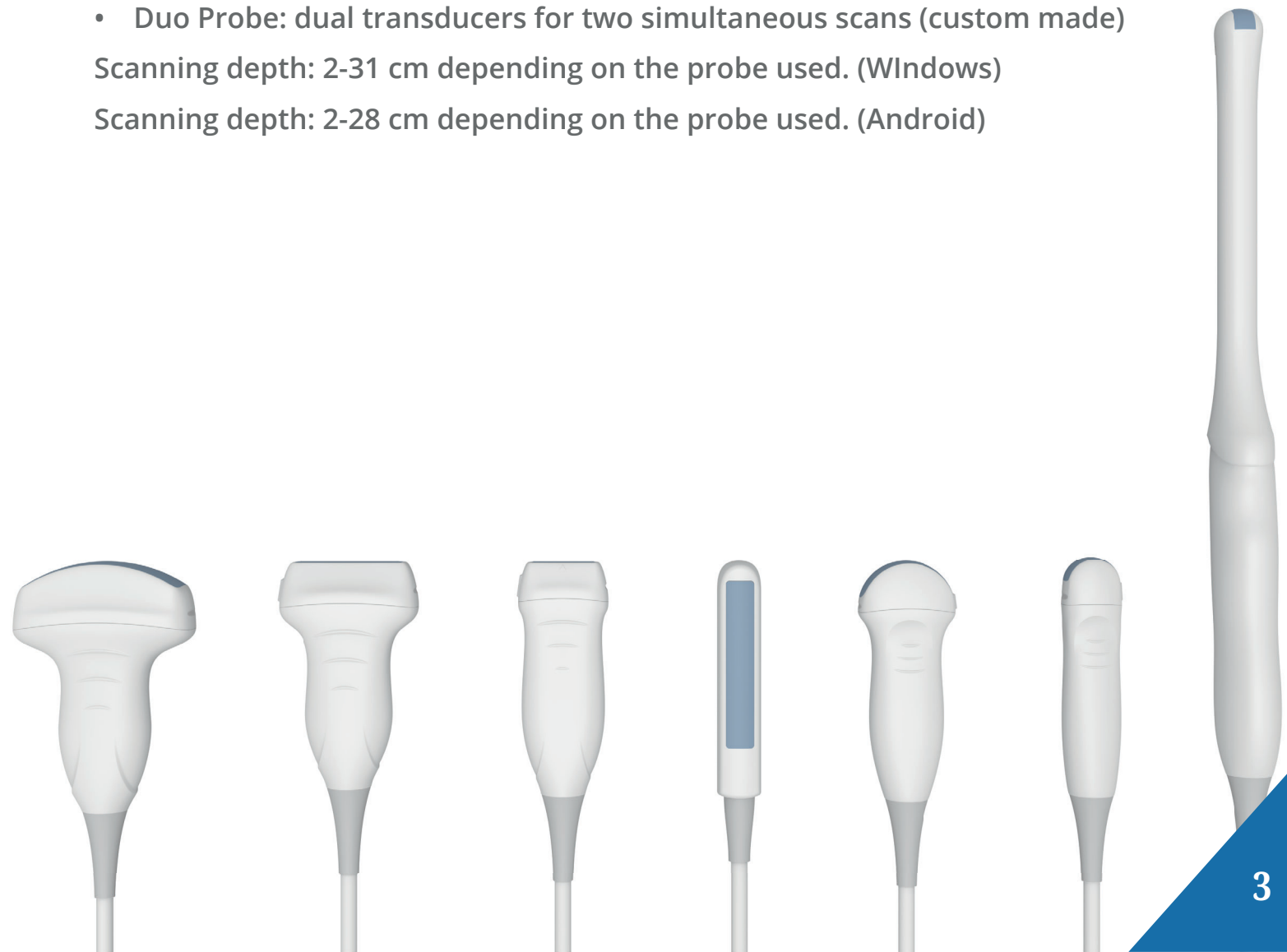
Transducers

Multi-frequency transducers from 2 to 15.0 MHz

- Linear, Convex, Microconvex
- Duo Probe: dual transducers for two simultaneous scans (custom made)

Scanning depth: 2-31 cm depending on the probe used. (Windows)

Scanning depth: 2-28 cm depending on the probe used. (Android)



Model

MicrUs EXT-1H



One probe port

Probes - Linear



L12-5N40-A4

Frequency: 5.0 – 12.0 MHz
 Scan width: 40mm
 Scan depth: 20-70 mm
 Applications: Vascular,
 Small Parts, MSK/Neurol.,
 Pediatrics, Vascular Access



L15-6L25S-3

Frequency: 6.0 – 15.0 MHz
 Scan width: 25mm
 Scan depth: 15-45 mm
 Applications: Vascular,
 Small Parts, MSK/Neurol.,
 Pediatrics, Vascular Access



LV8-4L65S-3

Frequency: 4.0 – 8.0 MHz
 Scan width: 65mm
 Scan depth: 40-120 mm
 Applications: MSK, veterinary

Probes - Linear Duo



LVD8-4L65S-3

Frequency: 4.0 – 8.0 MHz
 Scan width: 65mm
 Applications: MSK/Neurol.



LVD12-5L40S-3

Frequency: 5.0 – 12.0 MHz
 Scan width: 40 mm
 Applications: MSK/Neurol.
 (*custom made product)

Probes - Convex / Microconvex



C5-2R60S-3

Frequency: 2.0 – 5.0 MHz
 Radius: 60mm
 Scan depth: 90-230 mm
 Applications: Abdomen,
 OB/GYN, Pediatrics



MC4-2R20S-3

Frequency: 2.0 – 4.0 MHz
 Radius: 20mm
 Scan depth: 60-230 mm
 Applications: Abdomen,
 Cardiology, Veterinary



MC10-5R1-S-3

Frequency: 5.0 – 10.0 MHz
 Radius: 10mm
 Scan depth: 30-150 mm
 Applications: Small Parts,
 Pediatrics, Veterinary



MC8-4R20S-3

Frequency: 4.0 – 8.0 MHz
 Radius: 20mm
 Scan depth: 30-150 mm
 Applications: Small Parts,
 Pediatrics, Veterinary



MCV9-5R10S-3

Frequency: 5.0 – 9.0 MHz
 Radius: 10mm
 Scan depth: 30-150 mm
 Applications: Transrectal,
 Transvaginal

Physical Specifications

Dimensions

106 (W) x 105 (D) x 21 (H) mm.

Power Supply

- directly from USB port (USB 3.0 only)
- external power supply, 100-240V AC, 50-60 Hz (USB 2.0 connection)

Weight

- 257 grams.

Connectivity

USB 2.0 & USB 3.0

Warranty

MicrUs: 2 years
Probes: 1 year

Certifications

CE Mark.

FDA Mark.

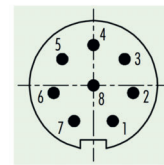


Research Tools

Intuitive tools for the Python, MATLAB, and LabView environments, enhanced by detailed documentation and understandable instructions, thus enabling a significant reduction in the learning curve.

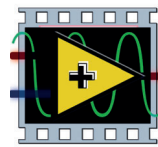
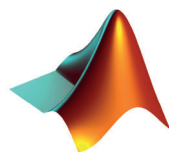
I/O Module

The MicrUs can be equipped with additional connectors for synchronizing the system with other equipment. (I/O Module is an optional feature.)



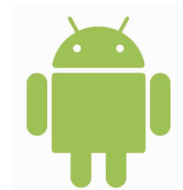
DLL for MATLAB and Python

Dynamic link library (DLL) that allows you to call SDK functions and perform real-time image and data acquisition from other programs such as MATLAB, Python, and Labview.



SDK – Software development kit

The Ultrasound Scanning Software Development SDK is a versatile programming library for developing ultrasound scanning software on Windows for all TELEMED systems, and on Android for MicrUs and MicrUs Pro. This SDK is free for OEM partners and developers under an NDA with the manufacturer.



Ultrasound Software

Telemed software keeps getting better, always adding new features to make using ultrasound easier. You can download all updates for free, and there's no need to pay for a subscription.

Windows - Echo Wave II



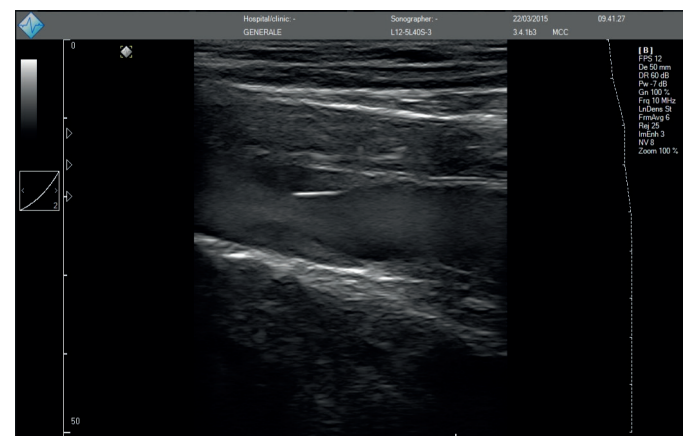
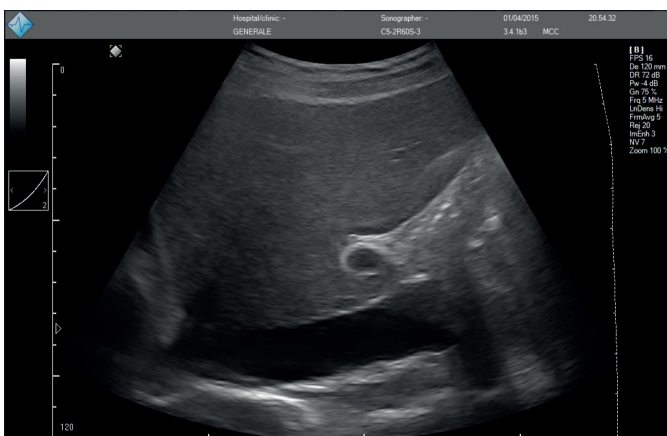
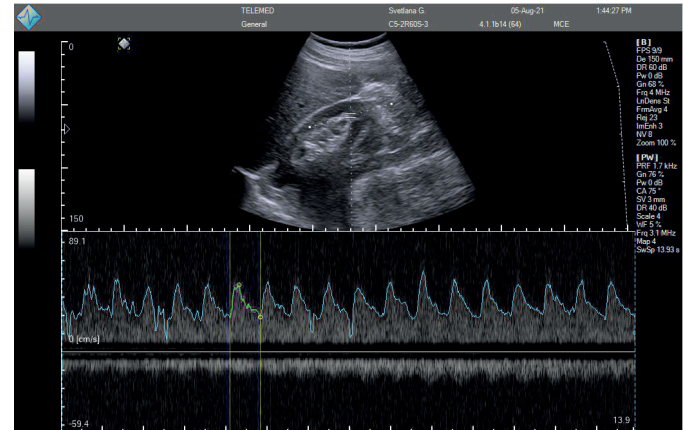
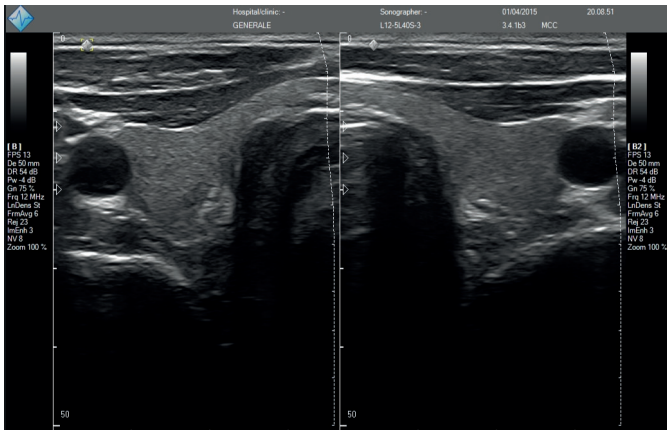
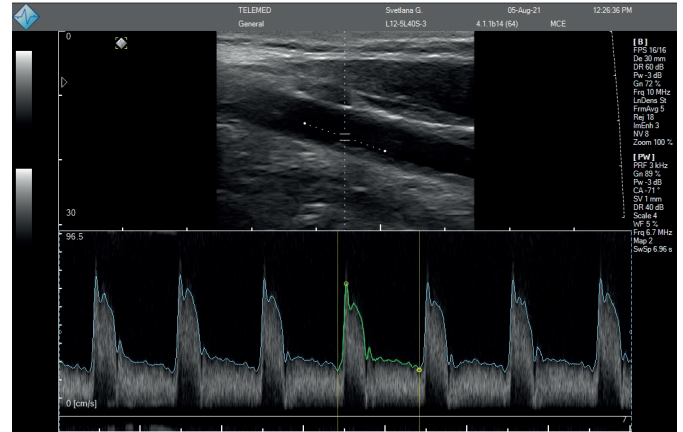
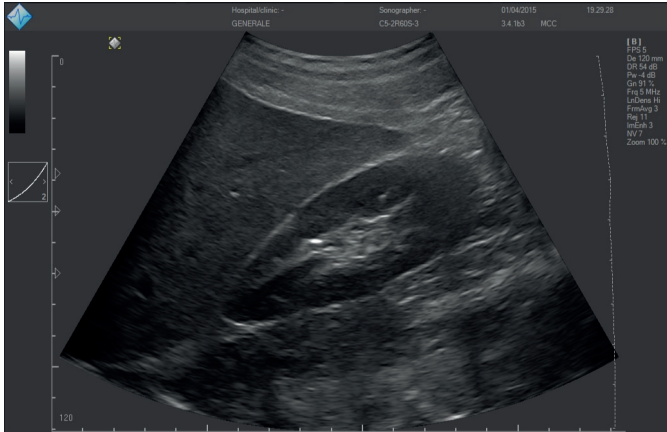
Windows - Echo Wave II touch



Android - Echo Wave A



Clinical Images



Contacts

Design and manufacturing by;



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