

AX3 Series

Diagnostic Ultrasound System

New Products Release

Good news! AX3 & AX2 R1.02 is now officially released.

AX3 & AX2 R1.02 are the brand new compact ultrasound systems.

The release includes:

- **Overview**

This document describes the contents of Acclarix AX3 series R1.02 release(AX3&AX2).

R1.02 release is the initial commercial release of the Acclarix AX3 series ultrasound system.

- **Intended Use**

The Acclarix AX3 series Diagnostic Ultrasound System is intended for use by a qualified physician or allied health professional for ultrasound evaluation in hospitals and clinics. Clinical applications include:

- Abdominal
- Gynecology
- Obstetric
- Cardiac
- Small parts
- Urology
- Musculoskeletal
- Peripheral vascular
- Adult cephalic

Contraindications:

The Acclarix AX3 series diagnostic ultrasound system is not intended for ophthalmic use or any use causing the acoustic beam to pass through the eye.

- **Appearance**



Figure 1 Top View

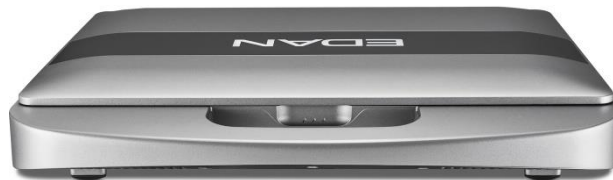


Figure 2 Front View



Figure 3 Left View



Figure 4.a Right View(with two transducer sockets)



Figure 4.b Right View(with one transducer socket)



Figure 5 With Trolley






● **Standard Configuration**

- 1 main unit
- 1 AC adapter
- 1 power cord
- 1 lithium battery
- 1 120G SSD
- 1 internal WiFi Module
- 1 USB disk
- 1 bottle of coupling gel

- 1 User manual
- 1 packing list
- **Optional Configuration**
 - Transducers(see table 3-2)
 - Needle Guide Bracket Kits (see table 3-3)
 - Printers
 - Footswitch
 - Suitcase
 - 2nd battery
 - Simple Cart: MT-808

● **Transducer Models**

Table 3-2 Transducer Models

Transducer Model	Illustration	Applications
C5-2Q		Abdomen Fetal / Obstetrics Urology Gynecology Musculoskeletal
E8-4Q		Fetal / Obstetrics Gynecology Trans-vaginal Trans-rectal Urology
L12-5Q		Small parts Peripheral Vascular Musculoskeletal
P5-1Q		Adult Cardiac Abdomen Pediatric Cardiac Adult Cephalic
L17-7Q		Small Parts Peripheral Vascular Musculoskeletal

- **Needle Guide Bracket Kits**

Table 3-3 Needle Guide Bracket Kits

Model	Angle/Depth	Description
BGK-C5-2	20° , 28° , 40°	For use with the C5-2Q, Supports: 14G-23G
BGK-L40UB	34° , 43° , 53° , 66°	For use with the L17-7Q, Supports: 14G-23G
BGK-001	1.0cm, 1.5cm, 2.0cm	For use with the L17-7Q, Supports: 21G
BGK-002	38° , 46° , 58°	For use with the L12-5Q, Supports: 14G-23G
BGK-003	1.0cm, 1.5cm, 2.0cm	For use with the L12-5Q, Supports: 21G
BGK-CR10UA	2°	For use with the E8-4Q, Supports: 16G, 18G
BGK-008	12° , 22°	For use with the P5-1Q, Supports: 14G-23G

- **Product Functionality And Specialty**

The Acclarix AX3 series is a portable laptop diagnostic ultrasound system which consists of a main unit along with associated transducers. Various imaging modes and image parameter adjustments, 15.6 inch LCD primary display with 10.1 inch touch screen and diverse transducers are configured to acquire and display clear and stable ultrasound images. Up to two transducer connectors can be configured. Maximum two batteries can be installed to provide long-time operation. The Acclarix AX3 series system gives the operator the ability to measure anatomical structures, and offers analysis packages that provide information used by competent health care professionals to make a diagnosis.

This section lists part of the functionality and specialty of Acclarix AX3 series ultrasound system, please see the attachment for more details of the product specifications.

- **System Design**

- High performance platform: 64 channels, quad-beam forming
- Processor: ARM
- Memory: 2GB
- OS: Android

- Hard Drive: 120GB SSD
- System Boot-up: about 30s
- Boot-up from sleep: 5s
- Shutdown: 3s
- Dimension: 375 mm×380 mm×58 mm
- Weight depends on configuration, the minimum weight is 4.2Kg.
- 15.6-inch HD 1920x1080 monitor with open angle of 180°.
- 10.1-inch Touch screen
- Dual transducer ports. Single or Dual transducer ports configurable
- Dual batteries supporting at least 2h typical operation.
- HDMI, 3 USB Ports(2USB 2.0, 1 USB 3.0), S-Video and Ethernet port.
- MT-808 simple cart with adjustable height and glossary drawer.

● **Image Features**

- TAI-Tissue Adaptive Imaging
- eSRI- Adaptive Speckle Reduction Imaging
- Frequency Compounding Imaging
- Adaptive Spatial Compounding Imaging
- Harmonic Imaging
- B mode Auto Optimization
- Digital Multi-Beam forming
- Trapezoid Imaging
- Adaptive Doppler imaging
- Spectrum Enhancement
- B Steer
- Digital Zoom
- Auto Doppler trace
- Various imaging modes and parameters adjustment
- Acoustic Power control
- Dual/Single screen display

● **Regulatory Status**

At the time of releasing R1.02 software:

1. Acclarix AX3 series ultrasound systems are only available in CE regions.
2. The transducer L17-7HQ are not available for all markets.

For the detailed information about regulatory status, please see the latest version of Acclarix AX3 Series Product and Configuration Specifications (Document Number: *EDAN\WI\CF-83.63.560402*) for the approved sales region and the availability of each function and accessory.