

Probe Options



X20L Linear Probe



L11-3 Linear Probe



HL18-4 Linear Probe



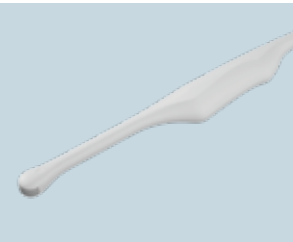
C5-2 Convex Probe



MC10-3 Micro Convex Probe



S4-2A Sector Probe



EC9-3 Endocavity Probe

Optional Equipment

- Dedicated Cart •Probe Holder •Gel Holder •Gel Warmer •Standard Battery •Large Battery •CW Kit
- Black and White Printer •Black and White Printer Attachment •Barcode Reader •Foot Switch (Dual or Triple)
- Microphone for Voice Control •Web Camera •Web Camera Accessories •Tablet •Wireless LAN adapter

Specifications

Model name (Catalogue number)	ULTRASOUND SYSTEM KUS330 (SONIMAGE UX1)
Scan Method	Linear, Convex, Sector
Mode	B, M, Color Doppler, Power Doppler, SCF, PW Doppler, CW Doppler*, TDI
Size W × D × H	Main Box 227 mm × 149 mm × 476 mm (excluding fall prevention parts) Monitor Unit 461 mm × 79 mm × 285 mm Cart 461 mm × 630 mm × 1075 mm to 1375 mm
Weight	Cart configuration 42 kg (including main box[Standard battery(2 batteries installed)],cart, power supply cord)
LCD Monitor	18.5 inch
Power Input	AC 100-240 V, 50/60 Hz, Max.550 VA
Battery	Standard battery (2 batteries installed) + Large Battery*(installed) 360 minutes or more continuous use(B mode, Live 100%, cart configuration)

- *is optional.
- Specifications are subject to change without prior notice.
- Camera Function :Users are responsible for complying with applicable privacy and data protection laws and for ensuring appropriate data security when recording, storing, or sharing images, videos, or audio.
- “SONIMAGE UX1 TriFOR” is the trade name of the KUS330 ultrasound system.



Control panel
model



Full touch
model

KONICA MINOLTA, INC.

<https://www.konicaminolta.com/>



SONIMAGE UX1

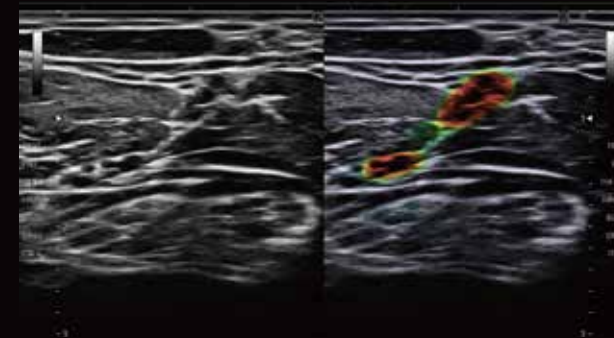
Giving Shape to Ideas

EXPERIENCE THE DIFFERENCE

UX1 combines usability and accessibility to support efficient use across a wide range of diagnostic settings.

Innovative Imaging

High Frequency Broadband Probe
X20L



Technology Powered by AI

VISNERVE

Streamlined Operations

Mobile Cast / Mobile Control



Large Battery



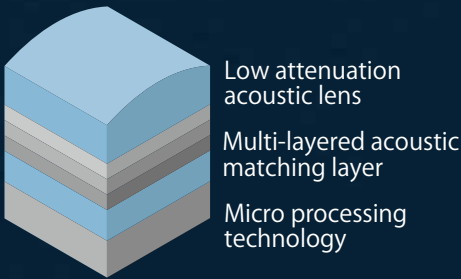
Imaging the Invisible

Technologies for Image Formation

High Frequency Broadband Probe X20L

A high-frequency broadband probe using an acoustic lens and a slice beam control technology that maximizes its performance was independently developed. It enables the visualization of uniform images with minimal acoustic noise impact from shallow to deep areas, allowing a single probe to be used for a wide range of examinations. It is also compatible with hydrogen peroxide gas plasma sterilizers (STERRAD®).

*STERRAD is a registered trademark of ASP Global Manufacturing GmbH.



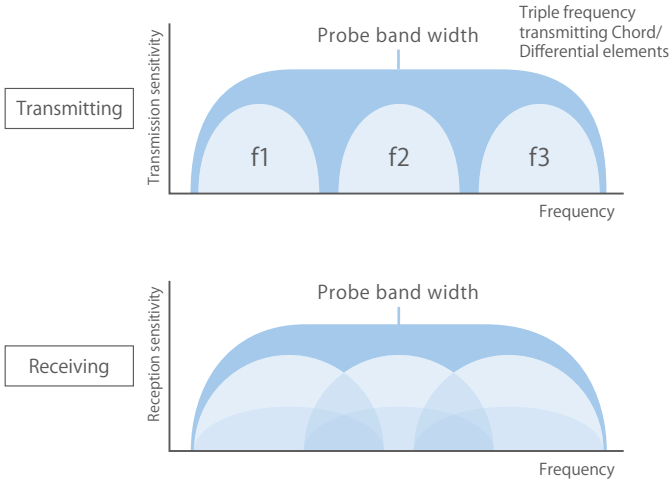
High-Definition Monitor

It uses a panel that provides high visibility, rich contrast, and minimal reflections even in bright rooms.



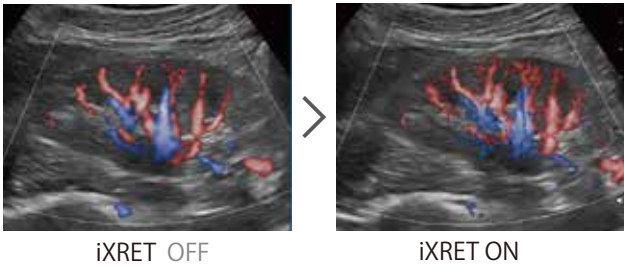
T²HI (Triad Tissue Harmonic Imaging)

By combining the independently developed “High Frequency Broadband Probe” with an installed image engine, we have succeeded in transmitting and receiving many difference tones, chords, and harmonics that enter the frequency band. It combines high resolution and penetration to achieve high image quality.



iXRET

UX1 achieves higher resolution and faster frame rates by utilizing Konica Minolta’s unique technology “iXRET”.



SNV (Simple Needle Visualization)

UX1 enhances the visibility of the needle tip and shaft.

*Optional function
*The simple needle visualization process is an auxiliary function for performing puncture procedures. Be sure to read the precautions and warnings in the operation manual before use.

Clear Zoom

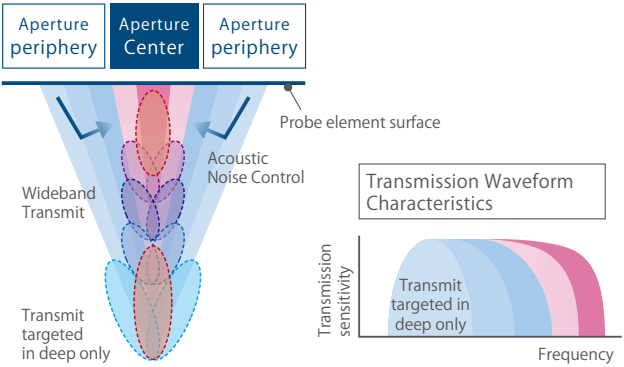
Acoustic lines are collected within a region of interest (ROI) and enlarged images are displayed at a high frame rate while maintaining high image quality.

Available Probe for Clear Zoom C5-2, EC9-3

*Optional function

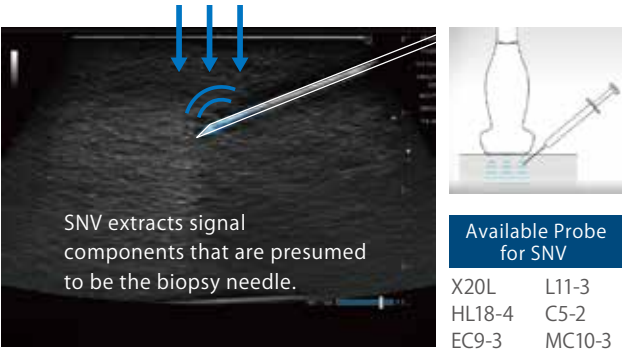
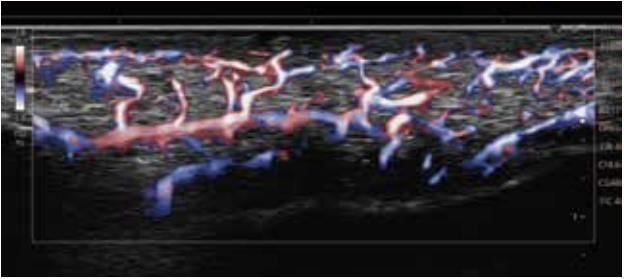
Dual Sonic Advance

It creates a broadband transmission waveform in the center of the aperture and a transmission waveform containing low-frequency components that work effectively on deep areas in the peripheral areas, thereby controlling the optimal ultrasound beam in multiple areas. This allows for both suppression of acoustic noise mixture in shallow areas and maximization of transmission and reception efficiency, providing high-definition and high-resolution images with excellent uniformity from shallow to deep areas. Dual Sonic Advance uses precise beam control, shifting from the conventional two-division transmission to multi-division transmission.



Simple Clear Flow Mode

This feature clearly visualizes small vessels.



Available Probe for SNV

X20L	L11-3
HL18-4	C5-2
EC9-3	MC10-3

Technology Powered by AI

Supporting Visualization with Advanced Algorithms



VISNERVE

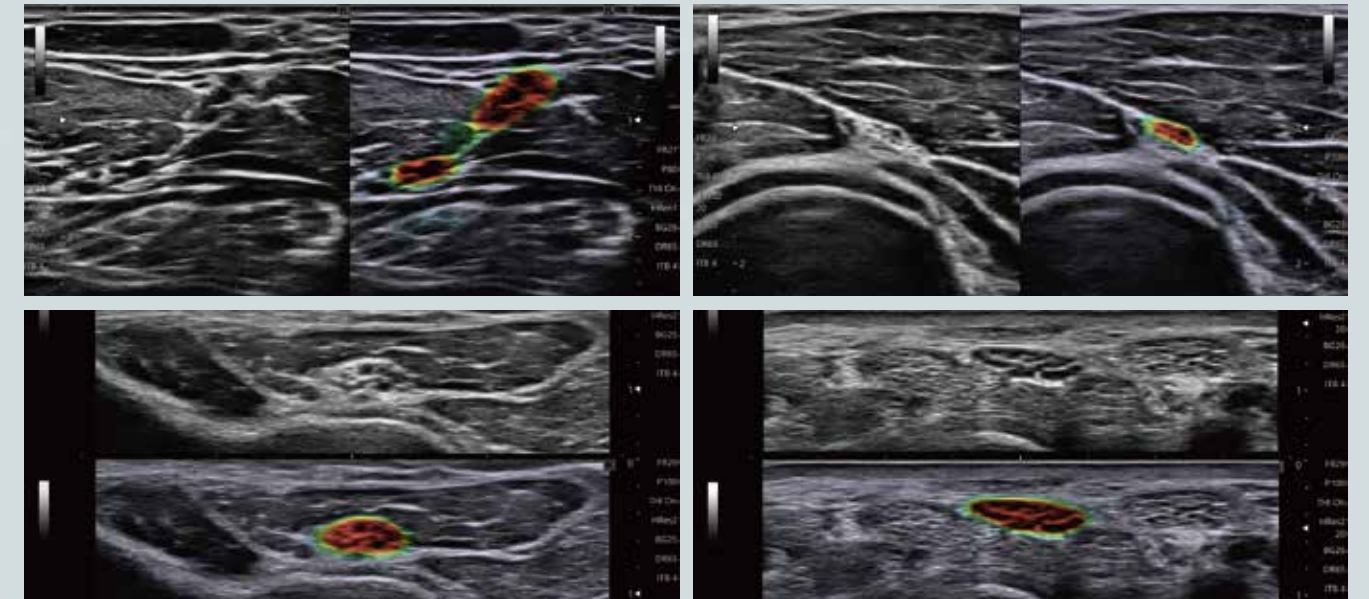
VISNERVE analyzes ultrasound images based on information pre-trained through deep learning, and visualizes nerves in real time. VISNERVE allows for simple and easy nerve recognition.

Available Probe for VISNERVE X20L, L11-3

*Optional function *Be sure to read the precautions and warnings in the operation manual before use.

*It is intended for use only during scans performed prior to biopsy needle treatment and prior to anesthesia.

*VISNERVE uses a fixed deep learning model (AI) trained prior to market release.



Design Philosophy

Balanced design for form and usability

Space-Consious Design

The cart, which has a circular motif, was designed with maximum consideration given not only to design property, but also to ease of movement and functionality. It can be placed even in a small space.

Comfortable Cable Management

It eliminates the annoying tangled or dragging cables when moving around or during an examination, achieving a stress-free user experience. The cable guides on each probe holder allow the cables to be pulled out smoothly and their routes organized.



Style Free

Flexible Lineup to Suit User Needs

Cart Style



Control panel model



Full touch model

Desktop Style



Intuitive Interface

Suitable for a Variety of Clinical Situations

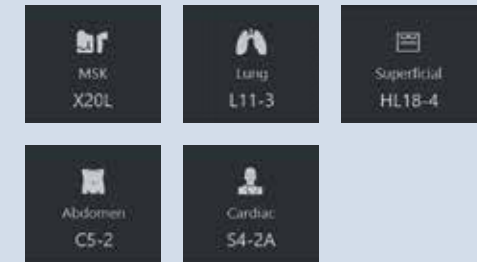


Highly Customizable Screen Layout

Frequently used functions can be laid out as icons on the examination screen.
Original screen settings can be created for each user.

Intuitive Icon Display

Probe and application selection and switching can be easily performed from the preset shortcut screen. Up to 16 icons can be shown.



Control Panel

Achieving easy operation with 9 hard keys and an intuitive touch interface.

Hard keys can be customized.

Assigning frequently used functions helps create a seamless workflow.



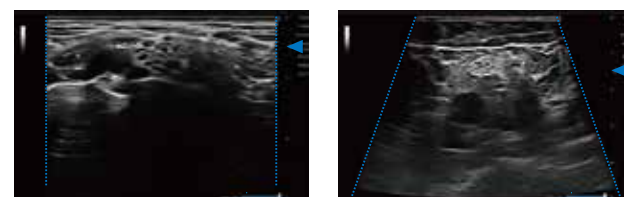
Smart Operation

Designed for ease of use

MPA Function

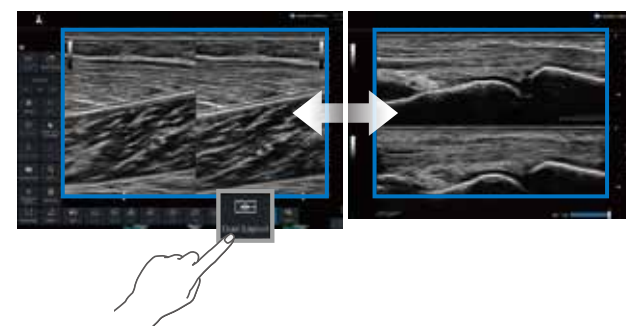
(Multi Parameter Adjuster)

By simply changing the display depth, the preset image quality parameters are applied. For example, when the display depth is reduced, it automatically switches to high frequency, and when it is increased, it automatically switches to low frequency or trapezoidal scanning.



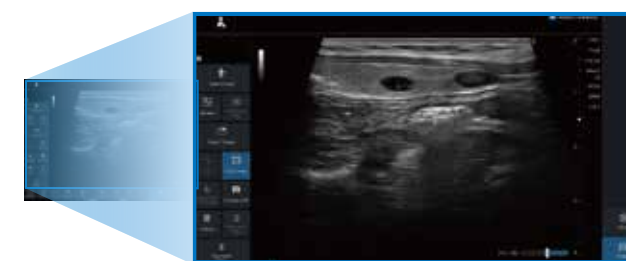
Dual Mode

Switch between top/bottom and side-by-side layouts with a single touch.



Full Screen Display

This feature maximizes the screen space.
The images look bigger and closer.



Drawing Function

Supports drawing letters and shapes directly on the screen using touch operation.
Line thickness and color can also be adjusted.



Streamlined Operations

Seamless Workflow

Flexible Design that Enhances Connectivity

It is a function to remotely check images and sound played on this device or operate this device using an information terminal such as a tablet or PC.

Mobile Cast

Mobile Cast is a function to transmit and display images and sound from this device on a wirelessly connected information terminal such as a tablet.
The tablet can be positioned freely as needed.



Mobile Control

Mobile Control is a function that allows users to remotely control the device by using the device operation command buttons displayed on the web browser of their information terminals, changing settings, saving images, starting/ending applications, etc., without physically touching the device.

Mobile Cast / Mobile Control

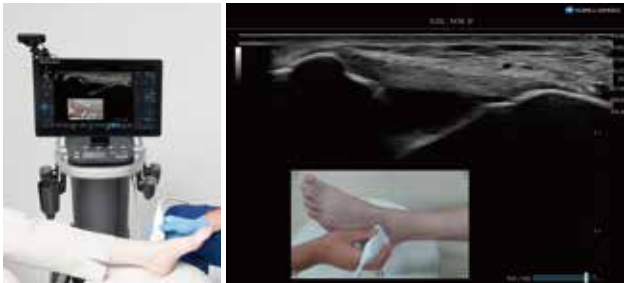
*Optional function
*Information terminals must meet the specifications specified by KONICA MINOLTA, INC.
*This device and the information terminals must be connected to the same network.
About network settings and information terminals contact your Konica Minolta service representative.
*Be sure to read the precautions and warnings in the operation manual before use.



Camera Function

Camera Function overlays the image captured by the camera onto the ultrasound image. The displayed image can be recorded as a still image or video clip, and when recording video, audio can also be saved.
The examination can be recorded realistically along with the ultrasound image.

*Optional function
*The dedicated camera and other accessories are optional.



Wireless LAN Compatible

It can be connected to the network without a LAN cable, and can be carried around freely within the hospital without worrying about cables when moving.

*It may not be available depending on the wireless environment.

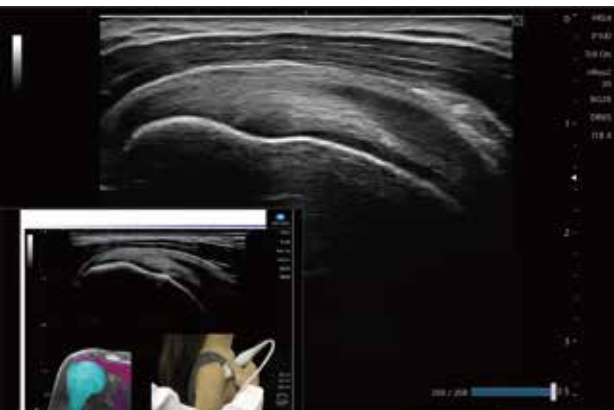
High Capacity Battery

Supports up to 6 hours of continuous use with a high-capacity battery.

*Large battery is optional.

Library Function

UX1 can play ultrasound images and video clips recorded on external media.
Users can save still images and video clips to the library and refer to them as needed.



Direct Recording Function

Direct Recording Function allows users to save/record still images or video clips directly to external media.