Aixplorer® – Innovative UltraFast™ Ultrasound Imaging
SuperTransducers™

COMPREHENSIVE SOLUTIONS TO ALL IMAGING CHALLENGES

Aixplorer's ultra broadband transducers with their unique core acoustic technology and advanced ergonomic design enable exceptional tissue detail in every exam, in B-mode, M-mode, Doppler modes, CEUS*, and Angio PL.U.S. UltraSensitive™ imaging. In addition, all transducers are ShearWave™ (SWE™) Elastography capable. SWE is the only elastography mode that produces a large and fully quantifiable 2D image in real-time, without requiring a cool-down phase. The innovation continues as Aixplorer is now the only ultrasound system that offers TriVu*, a real-time simultaneous imaging mode that combines B-mode, SWE and enhanced color imaging.

Designed for optimal sensitivity and operator comfort, the Aixplorer SuperTransducers give you the power to acquire extraordinary images on every patient.

INCREDIBLE TECHNOLOGY FOR OPTIMAL SENSITIVITY AND COMFORT

The SuperTransducers' technology overcomes the well-known trade-off between sensitivity and bandwidth, rendering extraordinary clinical performance. The transducer architecture embeds multilevel, matching and backing layers for perfect agreement with the propagation medium and maximization of both transducer bandwidth and acoustic output power. Compared to conventional transducer technology, the advanced materials and design uniquely leverages the ability to increase the frequency range of transducers for a wide range of clinical application presets.

The ergonomic design of the SuperTransducer family includes lightweight transducers and cables. These transducers have been ergonomically studied and validated by physicians and sonographers to fit perfectly in your hand in a relaxed position, reducing the risk of work-related injury.

Single Crystal Curved Array XC6-1

Application	Presets
Abdominal	Abdomen, Liver, Renal, Abdominal Vascular
Genitourinary	Prostate
OB-GYN	Early OB, Gen OB, GYN
Pediatric	Pelvic-GYN, Abdomen
Thyroid	Thyroid
Vascular	Abdominal, Vascular, Renal
General	General, Research

Number of Elements: 192
Bandwith: 1-6 MHz
Field of View: 60 degrees
Acoustic Footprint: 64 mm
Biopsy Guide: Multi-angle, re-usable bracket with disposable needle guides (by CIVCO and PROTEK)

Features:
- Lightweight
- 60 mm radius of curvature
- Ergonomically validated to provide excellent intercostal access
- ShearWave Elastography (except in OB)
- UltraFast Doppler
- Angio PL.U.S. - PLanewave UltraSensitive Imaging
- CEUS *

SuperLinear™ SL18-5

Application	Presets
Abdominal	Abdomen
Breast	Breast
Genitourinary	Scrotum
Musculoskeletal	Shoulder, Elbow, Hand-Wrist, Knee, Foot-Ankle, Muscle
Pediatrics	Hip, Abdomen, Thyroid-Neck, Scrotum, Superficial, Neonatal Head
Thyroid	Thyroid, Superficial Thyroid
Vascular	Carotid, Upper Extremity Arterial, Upper Extremity Venous, Lower Extremity Arterial, Lower Extremity Venous
General	General, Research

Number of Elements: 256
Bandwith: 5-18 MHz
Acoustic Footprint: 50 mm
Biopsy Guide: Free-angle disposable (by CIVCO)

Features:
- Ultra lightweight
- Easy to hold
- ShearWave Elastography
- Angio PL.U.S. – PLanewave UltraSensitive™ Imaging
- TriVu* - Simultaneous B-mode, SWE and Color+ real-time imaging

SuperLinear™ SL10-2

Application	Presets
Abdominal	Abdomen
Breast	Breast
Musculoskeletal	Shoulder, Knee, Muscle
Pediatrics	Hip, Abdomen, Thyroid-Neck, Scrotum, Superficial, Neonatal Head
Thyroid	Thyroid
Vascular	Carotid, Upper Extremity Arterial, Upper Extremity Venous, Lower Extremity Arterial, Lower Extremity Venous
General	General, Research

Number of Elements: 192
Bandwith: 2-10 MHz
Acoustic Footprint: 38 mm

Features:
- Optimized for imaging deeper structures
- Ultra lightweight, easy to hold
- ShearWave Elastography
- UltraFast Doppler
- CEUS*
- Angio PL.U.S. - PLanewave UltraSensitive Imaging
- TriVu* - Simultaneous B-mode, SWE and Color+ real-time imaging

SuperLinear™ SL15-4

Application	Presets
Abdominal	Abdomen
Breast	Breast, Superficial Breast, Survey, Advanced Breast
Genitourinary	Scrotum
Musculoskeletal	Shoulder, Elbow, Hand-Wrist, Knee, Foot-Ankle, Muscle
Pediatrics	Hip, Abdomen, Thyroid-Neck, Scrotum, Superficial, Neonatal Head
Thyroid	Thyroid, Superficial Thyroid
Vascular	Carotid, Upper Extremity Arterial, Upper Extremity Venous, Lower Extremity Arterial, Lower Extremity Venous
General	General, Research

Number of Elements: 256
Bandwith: 4-15 MHz
Acoustic Footprint: 50 mm
Biopsy Guide: Free-angle disposable (by CIVCO)

Features:
- Ultra lightweight, easy to hold
- ShearWave Elastography
- Angio PL.U.S. - PLanewave UltraSensitive Imaging
- TriVu* - Simultaneous B-mode, SWE and Color+ real-time imaging

*510K clearance pending

Aixplorer® – Innovative UltraFast™ Ultrasound Imaging
SuperTransducers™

SuperLinear™ SLH20-6

Application	Presets
Musculoskeletal	Elbow, Hand-Wrist, Knee, Foot-Ankle
Breast	Breast
Vascular	Superficial Vascular
Pediatrics	Thyroid-Neck, Scrotum, Superficial
General	General

Number of Elements: 192
Bandwith: 6-20 MHz
Acoustic Footprint: 26 mm

Features:
- Compact array form factor
- Slim design
- ShearWave Elastography

SuperEndocavity™ SE12-3

Application	Presets
OB-GYN	Early OB, Gen OB, GYN
Genitourinary	Prostate
General	General, Research

Number of Elements: 192
Bandwith: 3-12 MHz
Field of View: 138 degrees
Acoustic Footprint: 28 mm
Biopsy Guide: Mono-angle disposable (by CIVCO and PROTEK) and reusable (by CIVCO)

Features:
- Endfire
- Small radius of curvature
- Slim design
- Easy to hold
- ShearWave Elastography (except in OB)
- CEUS*

SuperMicroConvex™ SMC12-3

Application	Presets
Pediatric	Pelvic, GYN, Abdomen, Neonatal Head
Vascular	Carotid, Upper Extremity Arterial, Upper Extremity Venous, Lower Extremity Arterial, Lower Extremity Venous
General	General

Number of Elements: 192
Bandwith: 3-12 MHz
Field of View: 138 degrees
Acoustic Footprint: 28 mm

Features:
- Small radius of curvature
- Slim design
- Ergonomic handle
- ShearWave Elastography

Single Crystal Phased Array XP5-1

Application	Presets
Vascular	Transcranial Doppler, Abdominal Vascular
Abdominal	Abdominal Vascular
General	General

Number of Elements: 96
Bandwith: 1-5 MHz
Field of View: 90 degrees
Acoustic Footprint: 20 mm

Features:
- UltraFast Doppler
- Ultra lightweight
- Easy to hold

SuperEndocavity™ Volumetric SEV12-3

Application	Presets
OB-GYN	Early OB, Gen OB, GYN
Genitourinary	Prostate
General	General

Number of Elements: 192
Bandwith: 3-12 MHz
Field of View: 146 degrees extended to 180
Acoustic Footprint: 28 mm
Biopsy Guide: Mono-angle disposable (by CIVCO and PROTEK) and reusable (by CIVCO)

Features:
- Endfire
- Small radius of curvature, slim design
- Easy to hold, lightweight
- 3D B-mode, color and ShearWave Elastography (except in OB)
- CEUS*

SuperLinear™ Volumetric SLV16-5

Application	Presets
Breast	Breast
General	General, Research

Number of Elements: 192
Bandwith: 5-16 MHz
Acoustic Footprint: 38 x 43 mm

Features:
- Sweep angles: 10, 20 and 30 degrees
- Volumetric aquisition
- Ultra lightweight
- ShearWave Elastography

SuperLinear™ SL22-7lab

For research on small animals. Not approved for human use.

Application	Presets
General	General, Research

Number of Elements: 256
Bandwith: 7-22 MHz
Acoustic Footprint: 32 mm

Features:
- Optimized for small animal imaging
- Ultra lightweight
- Easy to hold
- ShearWave Elastography

* 510K clearance pending

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