

ALPINION's Transducers

ALPINION's innovation begins with transducer technology.

ALPINION's research and development in medical transducer technology ranges from advanced diagnostic ultrasound transducers – both PZT and single crystal material, innovative and unique processing technology, and application-specific acoustic designs – to treatment transducers specialized for use with HIFU.

In the ultrasound field, ALPINION has developed the largest variety of single crystal transducers, including convex, volume convex and phased array transducers.

Why transducer is important?

A transducer converts a signal in one form of energy to another form of energy.

A transducer transmits and receives reflected ultrasound signals that are the primary data source for the creation of ultrasound images. Proprietary transducer technology yields superior clinical ultrasound imaging.

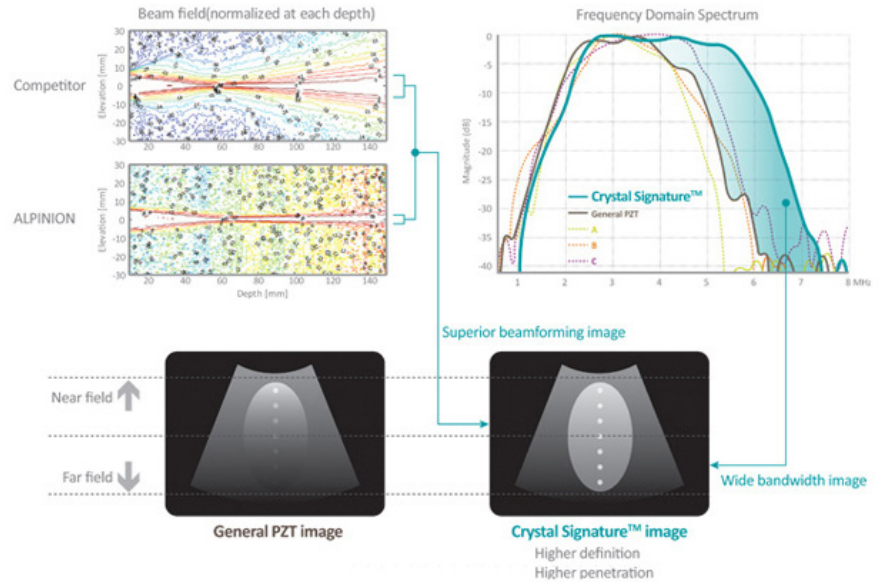


▲ Wide range of ALPINION's transducer portfolio

Crystal Signature™

Crystal Signature™, ALPINION's innovative single crystal technology

is characterized by much higher energy conversion efficiency than conventional piezo-ceramic materials, yielding greater uniformity and sensitivity. When combined with unique manufacturing processes, our proprietary Crystal Signature™ technology gives better images while decreasing production costs.



MicroFit™ Technology

The innovative ALPINION's transducer design MicroFit™ Technology

has resulted in smaller and lightweight transducers with better ergonomics that reduce operator fatigue.

Special attention is paid to the transducer cable, which is the lightest and most flexible in the ultrasound industry, further reducing the strain on the operator.

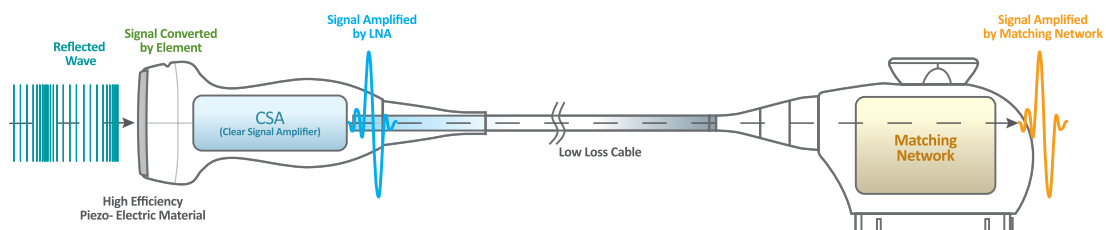
Image quality is preserved under all conditions with the tough and robust connectors, which utilize the latest micro-pinless interconnect technology.



SensitiView™ Technology

SensitiView™ Technology, encompasses the CSA™ (Clear Single Amplifier), low loss cable and matching technology with system.

The CSA™ generates an enriched purified signal with active electronics from high quality piezo-electric materials.



The high-performance low loss cable transfers high-sensitive signals for optimum impedance matching with the system. The result is significantly enhanced sensitivity and high resolution images.

ALPINION's Transducers

Developed and manufactured by ALPINION for unrivalled acoustic performance

Convex



SC1-6H
High density Single Crystal
(1-6MHz)

Abdomen, Renal, OB, Fetal
Echo, GYN, Urology
E-CUBE 15PT, 15, 11, 9D



SC1-4H
High density Single Crystal
(1-4MHz)

Abdomen, Renal, OB, Fetal
Echo, GYN, Urology
E-CUBE 15PT, 15, 11, 9D, 9



SC1-4HS
High density Single Crystal
(1-4MHz)

Abdomen, Renal, OB, Fetal
Echo, GYN, Urology
E-CUBE 15PT, 15, 11, 9D



SC1-6
Single Crystal (1-6MHz)

Abdomen, Renal, OB, Fetal
Echo, GYN, Urology
E-CUBE 11, 9D, 9, 7



C1-6
(1-6MHz)

Abdomen, Renal, OB, Fetal
Echo, Urology
E-CUBE 9D, 9, 7



C1-6T
(1-6MHz)

Abdomen, Renal, OB, Fetal
Echo, Urology
E-CUBE 5, i7



C1-6CT
PowerView™(1-6MHz)

Abdomen, Renal, OB, Fetal
Echo, Urology
E-CUBE 8



C5-8N
Microconvex (5-8MHz)

Abdomen, Pediatric, Neonatal,
Veterinary, Urology
E-CUBE 15PT, 15, 11, 9D, 9, 7



C5-8NT
Microconvex (5-8MHz)

Abdomen, Pediatric, Neonatal,
Veterinary, Urology
E-CUBE 8, 5, i7



C5-8
Microconvex (5-8MHz)

Abdomen, Pediatric, Neonatal,
Veterinary, Urology
E-CUBE 15, 9D, 9, 7

Linear



L8-17X
Extreme-high density
(8-17MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 15PT, 15



L8-17H
High density (8-17MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 11, 9D, 9



L8-17
(8-17MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 9D, 9, 7



L3-12X
Extreme-high density
(3-12MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 15PT, 15



L3-12H
High density (3-12MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 15PT, 15, 11, 9D, 9, 8, 7



L3-12H^{WD}
High density wide footprint
(3-12MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 11, 9D, 9, 8, 7



L3-12
(3-12MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 9D, 9, 7



L3-12T
(3-12MHz)

Carotid, Peripheral Vascular,
Thyroid, Testicle, MSK, Superficial, Breast
E-CUBE 8, 5, i7



L3-8
Low frequency (3-8MHz)

Abdomen, Pediatric, Neonatal,
Veterinary, Urology
E-CUBE 8, 5, i7



L3-8H
High density low frequency
(3-8MHz)

Abdomen, Pediatric, Neonatal,
Veterinary, Urology
E-CUBE 15, 9D, 9, 7



IO3-12
Intraoral (3-12MHz)

Salivary gland, Parotid gland,
Submaxillary gland, MSK
E-CUBE 15PT, 15, 9D, 9, 7



IO8-17
High frequency hockey stick
(8-17MHz)

MSK (Superficial), Small Parts,
Superficial Vascular
E-CUBE 15PT, 15, 9D, 9



IO8-17T
High frequency hockey stick
(8-17MHz)

MSK (Superficial), Small Parts,
Superficial Vascular
E-CUBE i7

ALPINION's Transducers

Developed and manufactured by ALPINION for unrivalled acoustic performance

Phased array



SP1-5X
Extreme-high density single crystal (1-5MHz)
Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE 15



SP1-5
Single crystal (1-5MHz)
Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE 9D, 9, 7



SP1-5(N)
Single Crystal (1-5MHz)
Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE 11



SP1-5T
(1-5MHz)
Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE i7



P1-5CT
C-Architecture (PowerView™) (1-5MHz)
Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE 8



MP1-5X
Extreme high density multi-layered (1-5MHz)
Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE 15PT, 15



SP3-8
Single crystal (3-8MHz)
Pediatric, Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE 15PT, 15, 11, 9D, 9, 7



SP3-8T
Single crystal (3-8MHz)
Pediatric, Abdomen, Renal, Cardiac, Transcranial, EM
E-CUBE 8, i7



EV3-10X
Extremely high density, wide angle FOV up to 230° (3-10MHz)
OB, GYN, Urology, EM
E-CUBE 15PT, 15

Endocavity



EV3-10H
High density (3-10MHz)
OB, GYN, Urology, EM
E-CUBE 15, 11, 9D, 9



EV3-10
High density (3-10MHz)
OB, GYN, Urology, EM
E-CUBE 11, 9D, 9, 7



EV3-10T
(3-10MHz)
OB, GYN, Urology, EM
E-CUBE 8, 5, i7



EC3-10X
Extremely high density, wide angle FOV up to 230° (3-10MHz)
OB, GYN, Urology, EM
E-CUBE 15PT, 15



EC3-10H
High density (3-10MHz)
OB, GYN, Urology, EM
E-CUBE 15, 11, 9D, 9



EC3-10
(3-10MHz)
OB, GYN, Urology, EM
E-CUBE 11, 9D, 9, 7



EC3-10T
(3-10MHz)
OB, GYN, Urology, EM
E-CUBE 8, 5, i7



E3-10H
High density (3-10MHz)
OB, GYN, Urology, EM
E-CUBE 15, 9D



E3-10
(3-10MHz)
OB, GYN, Urology, EM
E-CUBE 9D, 9, 8, 7



EN3-10
(3-10MHz)
OB, GYN, Urology, EM
E-CUBE 9D, 9, 7

Volume



SVC1-6H
High density single crystal volume convex (1-6MHz)
Abdomen, Renal, OB, Fetal Echo, GYN
E-CUBE 15PT, 15, 11



SVC1-6
Single crystal volume convex (1-6MHz)
Abdomen, Renal, OB, Fetal Echo, GYN
E-CUBE 11, 9D, 9



VC1-6
Volume Convex (1-6MHz)
Abdomen, Renal, OB, Fetal Echo, GYN
E-CUBE 9D, 9, 7



VC1-6T
Volume Convex (1-6MHz)
Abdomen, Renal, OB, Fetal Echo, GYN, Pediatric
E-CUBE 8



VE3-10H
High density volume endocavity (3-10MHz)
GYN, OB, Fetal Echo, Urology, EM
E-CUBE 15PT, 15, 11