

GE Healthcare

Transducer Guide

VOLUSON Series





Voluson E

Extraordinary vision

Innovative transducer technology from GE Healthcare enables extraordinary vision so that you can see more in a broad range of clinical applications.

Our 2D offerings include curved, linear, phased array and matrix array technologies for applications including OB/GYN, general imaging, cardiac, pediatrics, peripheral vascular and small parts.

We also have a wide selection of lightweight Volume transducers to enable you to utilize Volume Ultrasound in any application: transabdominal transducers for general imaging and OB/GYN endocavitary transducers for vaginal and rectal exams, linear transducer for small parts & vascular applications and microconvex transducer for pediatrics and first trimester obstetrics.

You can rely on Voluson® 730 transducers to deliver uncompromised image quality.

Transducer	Code	Description	Applications	FOV	Bandwidth	Availability
	SP10-16-D H48651MT	2D Wide Band Linear Transducer	Small Parts, Peripheral Vascular, Pediatrics, Superficial Musculoskeletal	33.7 mm	7 – 18 MHz	VE6, VE8 Expert
	11L-D H40432LN	2D Wide Band Linear Transducer	Small Parts, Peripheral Vascular, Pediatrics, Musculoskeletal	37.4 mm	4 – 10 MHz	VE6, VE8 Expert
	9L-D H40442LM	2D Wide Band Linear Transducer	Small Parts, Peripheral Vascular, Pediatrics, Obstetrics, Conventional Musculoskeletal	43.0 mm	3 – 8 MHz	VE6, VE8 Expert
	ML6-15-D H40452LG	Wide Band Linear Transducer with Active Matrix Array Technology	Small Parts, Peripheral Vascular, Pediatrics, Musculoskeletal	49.6 mm	4 – 13 MHz	VE8 Expert

Transducer	Code	Description	Applications	FOV	Bandwidth	Availability
	4C-D H4001BC	2D Wide Band Convex Transducer	Abdomen, Urology, Peripheral Vascular, OB, GYN	58° Wide 81° (only E8 Expert)	2 – 5 MHz	VE6, VE8 Expert
	C1-5-D H40452LE	2D Wide Band Convex Transducer, Curved Array Transducer	Abdomen, Peripheral Vascular, OB, GYN	69° Wide 113° (only E8 Expert)	2 – 5 MHz	VE6, VE8 Expert
	AB2-7-D H48651MW	Wide Band Convex Transducer	Abdomen, OB GYN, Urology, Pediatrics	80° Wide 107° (only E8 Expert)	2 – 8 MHz	VE6, VE8 Expert
	M6C H40432LM	Wide Band Convex Transducer with Active Matrix Array Technology	Abdomen, OB, GYN, Pediatrics	60° Wide 84° (only E8 Expert)	2 – 6 MHz	VE8 Expert

	Transducer	Code	Description	Applications	FOV	Bandwidth	Availability
Phased Array – 2D		PA 6-8-D H48651MZ	2D Wide Band Phased Array Transducer	Abdominal, Cardiology, Pediatrics	90°	4 – 10 MHz	VE6, VE8 Expert
		3S-D H48661LG	2D Wide Band Phased Array Transducer	Abdominal, Cardiology, Pediatrics, Adult Cephalic	90°	1 – 3 MHz	VE6, VE8 Expert
Endocavity – 2D		IC 5-9-D H40442LK	2D Wide Band Convex Transducer, 2D Endocavity Transducer, Curved Array Transducer	OB, GYN, Urology	146° Wide 179°	4 – 9 MHz	VE6, VE8 Expert
Real-time 4D Micro Convex		RNA5-9-D H48651MY	Wide Band Convex Volume Transducer	Abdomen, Small Parts, General Imaging, Cardiology, Obstetrics, Pediatrics	116°, V 116° x 90° Wide 144°, V 144° x 90° (only E8 Expert)	3 – 9 MHz	VE6, VE8 Expert

Transducer	Code	Description	Applications	FOV	Bandwidth	Availability
	RAB2-5-D H48651MN	Wide band, multi-frequency linear transducer	Small Parts, Peripheral Vascular, Pediatrics	47.2 x 13.8 mm	1 – 5 MHz	VE6, VE8 Expert
	RAB4-8-D H48651MP	Wide Band Convex Volume Transducer, Curved Array Transducer	Abdomen, OB, GYN, Pediatric, Urology	70°, V 70° x 85° Wide 90°, V 90°x 85° (only E8 Expert)	2 – 8 MHz	VE6, VE8 Expert
	RM6C H48671ZG	Wide Band Convex Volume Transducer with Active Matrix Array Technology	Abdomen, OB, GYN, Pediatrics	60°, V 60° x 85° Wide 90°, V 90° x 85°	1 – 7 MHz	VE8 Expert
	RRE6-10-D H48651N	Wide Band Convex Volume Transducer, Endocavity Transducer Transrectal	OB, GYN, Urology	146°, V 146° x 135° Wide 206°, V 206° x 135° (only E8 Expert)	4 – 9 MHz	VE6, VE8 Expert

Transducer	Code	Description	Applications	FOV	Bandwidth	Availability
	RIC5-9-D H48651MS	Wide Band Convex Volume Transducer, Endocavity Transducer	OB, GYN, Urology	146°, V 146° x 120° Wide 179°, V 179° x 120°	4 – 9 MHz	VE6, VE8 Expert
	RIC6-12-D H48651NA	Wide Band Convex Volume Transducer, Endocavity Transducer	OB, GYN, Urology	149°, V 149° x 120° Wide 195°, V 195° x 120°	5 – 13 MHz	VE8 Expert
	RSP6-16-D H48651MR	Wide Band Linear Volume Transducer	Small Parts, Peripheral Vascular, Pediatrics, Musculoskeletal	37.4 mm V 37.4 mm x 29°	6 – 18 MHz	VE6, VE8 Expert
	RSM5-14 H48651NC	Wide Band Linear Volume Transducer with Active Matrix Array Technology	Small Parts, Peripheral Vascular, Pediatrics, Musculoskeletal	37.4 mm V 37.4 mm x 30°	5 – 13 MHz	VE8 Expert

Note: 2MHz and 4MHz non-imaging CW transducer also available.

Voluson 730

Extraordinary vision

Innovative transducer technology from GE Healthcare enables extraordinary vision so that you can see more in a broad range of clinical applications. Our 2D offerings include curved, linear, phased array and matrix array technologies for applications including OB/GYN, general imaging, cardiac, pediatrics, peripheral vascular and small parts.

We also have a wide selection of lightweight Volume transducers to enable you to utilize Volume Ultrasound in any application: transabdominal transducers for general imaging and OB/GYN endocavitary transducers for vaginal and rectal exams, linear transducer for small parts & vascular applications and microconvex transducer for pediatrics and first trimester obstetrics. You can rely on Voluson® 730 transducers to deliver uncompromised image quality.



VOLUSON 730

Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
	SP4-10 H46701A	Multi-frequency linear transducer well suited for deep peripheral vascular imaging.	Peripheral Vascular, Small Parts, Pediatrics, Orthopedics	47 x 7 mm	3 – 8 MHz	46 mm	Expert PRO PRO V
	SP6-12 H46701B	Multi-frequency linear transducer for superficial small parts imaging such as breast.	Small Parts, Peripheral Vascular, Pediatrics, Orthopedics	38 x 4 mm	3 – 11 MHz	37.4 mm	Expert PRO PRO V
	SP10-16 H46701C	Multi-frequency linear transducer with ultra high frequency detail, beneficial for musculoskeletal, breast and superficial imaging.	Small Parts, Peripheral Vascular, Pediatrics, Orthopedics	35 x 3 mm	5-17MHz	33.7 mm	Expert PRO PRO V
	M12L-H H40412LR	Wide-band linear 1.25D matrix array transducer beneficial for small parts imaging such as breast.	Small Parts, Pediatrics, Peripheral Vascular, Orthopedics	38 x 6 mm	5 – 13 MHz	37.4 mm	Expert

Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
	AC2-5 H46701U	Multi-frequency convex transducer for the technically difficult patient.	Abdomen, OB/GYN	48 x 13mm	2 – 5 MHz	60°	Expert PRO PRO V
	AB2-7 H46701T	Multi-frequency convex transducer for the easy to average patient habitus.	OB/GYN, Abdomen, Urology, Pediatrics	60 x 13mm	2 – 7 MHz	80°	Expert PRO PRO V
	4C-A H46701AA	Multi-frequency convex transducer for the technically difficult patient.	Abdomen, OB/GYN	61 x 13mm	1 – 5 MHz	58°	Expert PRO PRO V
	M7C-H H40412LS	Wide-band convex 1.25D matrix array transducer for the easy to average patient.	Abdomen, OB/GYN, Pediatrics	53 x 15mm	3 – 8 MHz	60°	Expert

	Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
Phased Array - 2D		PA2-5P H46701V	Multi-frequency sector transducer for cardiac, adult TCD and abdominal intercostal imaging.	Cardiac, Neurology, Pediatrics, Abdomen, OB	19 x 12 mm	1 - 3 MHz	90°	Expert PRO PRO V
		PA6-8 H46701J	Multi-frequency sector transducer for pediatrics, cardiac, abdominal and neurosonology.	Pediatrics, Cardiac, Abdomen	14 x 6 mm	4 -10 MHz	89°	Expert PRO PRO V
Endocavity - 2D		IC5-9H H40422LL	Broad spectrum micro-convex endocavitary transducer.	OB/GYN, Urology	27 x 6 mm	4 - 9 MHz	146°	Expert PRO PRO V
Real-time 4D Abdominal		RAB2-5L H48621X	Micro 4D convex is a RealTime 4D transducer for general imaging and the technically difficult OB patient.	Abdomen, OB/GYN	62 x 45 mm	1 -5 MHz	80° Volume 85° x 80°	Expert PRO

Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
	RAB4-8L H48621Z	Micro 4D convex is a RealTime 4D transducer with excellent resolution that is beneficial for an OB practice.	OB/GYN, Abdomen, Pediatrics	55 x 43 mm	2 –8 MHz	70° Volume 85° x 70°	Expert PRO PRO V
	RNA5-9 H48651DB	Next generation RealTime 4D micro-convex transducer. Small footprint and hi-flex cabling is well-suited for pediatric imaging.	Pediatrics, Small Parts, Cardiac, Abdomen, OB	29 x 32 mm	3 – 9 MHz	120° Volume 120° x 90°	Expert PRO
	RSP6-16 H46701AB	RealTime 4D linear transducer that is excellent for breast and small parts imaging.	Small Parts, Peripheral Vascular, Pediatrics, Orthopedics	38 x 44 mm	6 – 18 MHz	Volume 37.4 mm x 29°	Expert PRO PRO V

Real-time 4D
Micro Convex

Real Time 4D
Small Parts

Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
	RIC-5-9-W H48661HJ	Next generation RealTime 4D endocavitary transducer that is beneficial for GYN and OB imaging.	Abdomen, OB/GYN	26 x 28 mm	4 – 9 MHz	146° Volume 146° x 120°	Expert PRO PRO V
	RRE6-10 H46701S	RealTime 4D side-fire micro-convex endocavitary transducer. Smaller footprint makes this beneficial for urology applications.	Urology, GYN	30 x 33 mm	4 – 9 MHz	146° Volume 146° x 135°	Expert



Voluson *i* and Voluson *e*

Extraordinary vision

Innovative transducer technology enables extraordinary vision within a broad range of applications. Our compact ultrasound transducer offering includes 2D curved and linear technologies, as well as RealTime 4D curved, linear and microconvex technologies. This wide selection of transducers enables application flexibility and allows you to expand your applications beyond OB/GYN to include general and small parts imaging, breast, pediatrics, and peripheral vascular.

From routine exams to the technically difficult patient, Voluson® transducers deliver excellent image quality.

	Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
Small parts - 2D		12L-RS H40403LY	Wide band, multi-frequency linear transducer	Small Parts, Peripheral Vascular, Pediatrics	47.2 x 13.8 mm	4 - 12 MHz	37 mm	Voluson <i>i</i> Voluson <i>e</i>
		9L-RS H40442LL	Wide band, multi-frequency linear transducer	Small-Parts, Peripheral Vascular, Pediatrics, Orthopedics	53.1 x 13.8 mm	3 - 8 MHz	43 mm	Voluson <i>i</i>
		SP10-16-RS H48661NJ	Wide band, multi-frequency linear transducer	Small Parts, Peripheral Vascular, Pediatrics, Orthopedics	43.4 x 12.7 mm	7 - 18 MHz	33.7 mm	Voluson <i>i</i>
Small parts - 2D		4C-RS H4000SR	Wide band convex, curved array transducer	Abdomen, OB/GYN, Urology, Peripheral Vascular, Pediatrics	18.3 x 68.7 mm	2 - 5 MHz	58°	Voluson <i>i</i> Voluson <i>e</i>

Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
	AB2-7-RS H44901AD	Wide band convex, curved array transducer	Abdomen, OB/GYN, Urology, Peripheral Vascular, Pediatrics	58.9 x 23.4 mm	2 - 8 MHz	80°	Voluson <i>i</i> Voluson <i>e</i>
	E8C-RS H40402LN	Broad bandwidth, Micro-convex endocavitary transducer	OB/GYN, Urology	22.1 x 10.7 mm	4 - 10 MHz	123°	Voluson <i>i</i> Voluson <i>e</i>
	RNA5-9-RS H45021LA	Next generation RealTime 4D Microconvex transducer, small footprint and hi-flex cabling well-suited for pediatrics	Abdomen, Small Parts, OB, Pediatrics	26.7 x 22.9 mm	3 - 9 MHz	117°, V 117° x 90°	Voluson <i>i</i>

Endocavity - 2D

Real-time 4D
Micro Convex

	Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
Real-time 4D Abdominal		RAB2-5-RS H46701NA	RealTime 4D transducer for general imaging and the technically difficult OB patient	Abdomen, OB/GYN, Urology, Pediatrics, Orthopedics	63.6 x 38.9 mm	1 - 4 MHz	80°, V 85° x 80°	Voluson <i>i</i>
		RAB4-8-RS H45021L	RealTime 4D convex transducer for OB applications	Abdomen, OB/GYN, Urology, Pediatrics, Orthopedics	63.6 x 37.8 mm	2 - 8 MHz	70°, V 85° x 70°	Voluson <i>i</i>
Real Time 4D Endocavity		RIC5-9W-RS H48661EF	Next generation RealTime 4D Microconvex endocavitary transducer, with wide FOV, for GYN and first trimester imaging	OB/GYN, Urology	22.4 x 22.6 mm	4 - 9 MHz	146°, V 146° x 120°	Voluson <i>i</i> Voluson <i>e</i>
Real Time 4D Small Parts		RSP6-16-RS H46701AC	RealTime 4D linear transducer, breast and small parts imaging	Small Parts, Urology, Vascular, Pediatrics, Breast, Orthopedics	48.6 x 55.9 mm	6 - 18 MHz	37, 4 mm, V 37, 4 mm x 29°	Voluson <i>i</i>

Voluson S-Series

Extraordinary vision

Voluson S-Series ultrasound transducers include an assortment of 2D, 3D and RealTime 4D technologies. Our wide selection of transducers provides you application flexibility and helps you achieve excellent image quality on every exam.

From routine exams to the technically difficult patient, Voluson® transducers provide you the performance and capabilities your busy department demands.

Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
	C1-5-RS H40462LA	Wide-band, convex transducer	Abdominal, OB/GYN	69.3 x 17.2 mm	2-5 MHz	69°	Voluson S8
	12L-RS H40402LY	Wide-band, linear transducer	Small Parts, Peripheral Vascular, Pediatrics, Musculoskeletal	47.2 x 13.8 mm	4-12 MHz	37 mm	Voluson S6 Voluson S8
	4C-RS H4000SR	Wide-band, convex transducer	Abdomen, OB/GYN	18.3 x 68.7 mm	2-5 MHz	58°	Voluson S6 Voluson S8
	AB2-7-RS H44901AD	Wide-band, convex transducer	Abdomen, OB/GYN, Urology, Pediatrics	58.9 x 23.4 mm	2-8 MHz	80°	Voluson S6 Voluson S8

Transducer	Code	Description	Applications	Footprint	Bandwidth	FOV	Availability
	E8C-RS H40402LN	Wide-band, microconvex endocavitary transducer	OB/GYN, Urology	22.1 x 10.7 mm	4-10 MHz	123° Wide: 160°	Voluson S6 Voluson S8
	RAB4-8-RS H45021L	Real-time 4D convex transducer	Abdomen, OB/GYN, Urology, Pediatrics	63.6 x 37.8 mm	2-8 MHz	70°, V 85° x 70°	Voluson S6 Voluson S8
	RIC5-9W-RS H48661EF	Real-time 4D microconvex endocavitary transducer	OB/GYN, Urology	22.4 x 22.6 mm	4-9 MHz	146°, V 146° x 120° Wide: 179°, V 179° x 120°	Voluson S6 Voluson S8

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GE imagination at work