



## REGISTRUL DE STAT AL DISPOZITIVELOR MEDICALE

Tip	Denumire
I.3. Certificatul CE	Certificat CE
I.2. Declarația de conformitate CE	Declaratie de conformitate CE

Введите текст для поиска...

Nr	Denumire	Den.comerc.	Model	Nr. catalog	Tara	Producatorul	Reprezentant	Ordin	Data	Cod vamal
			vivid S70N							
DM000305916	ACCESORIU PENTRU SISTEM DE IMAGISTICĂ CARDIOVASCULARĂ CU ULTRASUNETE		Vet kit for Vivid S70N-S60N	H45581TS	Norvegia	GE VINGMED ULTRASOUND AS	INTERMED S.R.L.	Rg04-000088	23-04-2021	
DM000305904	SISTEM DE IMAGISTICĂ CARDIOVASCULARĂ CU ULTRASUNETE		Vivid S70N v204 NOR (manufactured in Norway)	H45601TR	Norvegia	GE VINGMED ULTRASOUND AS	INTERMED S.R.L.	Rg04-000088	23-04-2021	
DM000305902	SISTEM DE IMAGISTICĂ CARDIOVASCULARĂ CU ULTRASUNETE		Vivid S70N v204 CN (manufactured in China)	H45601TP	Norvegia	GE VINGMED ULTRASOUND AS	INTERMED S.R.L.	Rg04-000088	23-04-2021	
DM000305917	ACCESORIU PENTRU SISTEM DE IMAGISTICĂ CARDIOVASCULARĂ CU ULTRASUNETE		Vivid S70N_S60N v203 to V204UPG	H45601ZA	Norvegia	GE VINGMED ULTRASOUND AS	INTERMED S.R.L.	Rg04-000088	23-04-2021	
DM000216802	SISTEM DE IMAGISTICĂ CARDIOVASCULARĂ CU ULTRASUNETE		Vivid S70N v203 CN	H45601GA	Norvegia	GE VINGMED ULTRASOUND AS	INTERMED S.R.L.	Rg04-000167	16-07-2019	
DM000121904	SISTEM DE IMAGISTICĂ CARDIOVASCULARĂ CU ULTRASUNETE		Vivid S70N v202 NOR (manufactured in Norway)	H45591RD	Norvegia	GE VINGMED ULTRASOUND AS	INTERMED S.R.L.	A07.PS-01.Rg04-149	11-06-2018	

[Содержит\(\[Model\], 'vivid S70N'\)](#)

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# Vivid S70N Ultra Edition

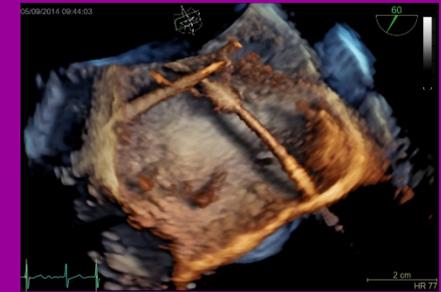
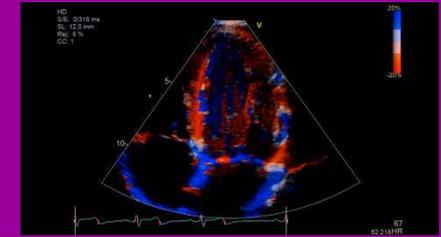
Product Tree - July 2021  
Release I

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# Vivid S70N Ultra Edition

## Probes

M5Sc-D  
3Sc-RS  
6S-D  
12S-D  
  
9L-D  
11L-D  
ML6-15-D  
L8-18i-D  
  
C1-5-D  
C1-6-D  
C2-9-D  
C3-10-D  
IC5-9-D  
  
6VT-D  
6Tc-RS  
9T-RS  
10T-D  
  
ICE Cord-RS  
  
P2D  
P6D

## SW Options

4D  
4D Auto MVQ/AVQ  
4D Markers  
SmartStress  
AutoEF 3.0  
AFI 3.0  
AFI RV  
AFI LA  
  
AI Automeasure 2D  
AI Automeasure Spect.  
Adv. Qscan Imag.  
Q-Analysis  
Adv. Vas/Abd. Contrast  
IMT  
  
ScanAssist Pro  
Rodent  
TEE Interface  
Biplane / Triplane  
ICE Interface  
DICOM Con. Network  
DICOM Viewer  
Tricify  
Streaming

## HW Options

Smart Standby  
UPS+Support Kit  
WiFi  
DVD-RW  
A/N Keyboard  
CartoSound  
ICE

## Accessories

Ext. ECG  
Footswitch  
Storage Box

## Biopsy Kits

## Peripherals

B/W Printer  
Col. Printer

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<b>Base Systems</b>			
<b>Base System</b>			
H45601TP	Vivid S70N Ultra Edition CN (China)		Vivid S70N Ultra Edition, <b>country kit and ecg cable</b> must be ordered separately <b>(Standard for most countries)</b>
H45601TR	Vivid S70N Ultra Edition NOR (Norway)		Vivid S70N Ultra Edition, <b>country kit and ecg cable</b> must be ordered separately <b>NORWEGIAN VERSION</b> mandatory for <b>GERMANY, FRANCE UKI, BELGIUM, LUXEMBOURG</b> and for countries <b>where China system can't be delivered due to legal reasons</b>

Standard Features (see datasheet for more information)
<ul style="list-style-type: none"> <li>• FlexiViews (with 4D)</li> <li>• 4D Auto LVQ (with 4D)</li> <li>• HD Color</li> <li>• Auto Optimization</li> <li>• TCI</li> <li>• CPI</li> <li>• Frequency Compound (HD) for FPA probes</li> <li>• UD Clarity, SRI</li> <li>• Compound</li> <li>• Elevation Compound (6VT)</li> <li>• HiRes Zoom</li> <li>• Virtual Apex (2D TTE FPA)</li> <li>• Virtual Convex</li> <li>• LVO Contrast</li> <li>• Smart Depth</li> <li>• TVI/TT</li> <li>• AMM/CAMM</li> </ul>

Standard Features (continued)
<ul style="list-style-type: none"> <li>• LOGIQ View</li> <li>• Adv. Vascular: B-Flow/BFI</li> <li>• QuickApps</li> <li>• FlexiViews (only if H45581PG – 4D option is enabled)</li> <li>• 4D Auto LVQ (only if H45581PG – 4D option is enabled)</li> <li>• Retrospective/Prospective capture</li> <li>• Card. Auto Doppler</li> <li>• Ob measurements</li> <li>• Z scores for Pediatrics</li> <li>• Patient Archive</li> <li>• Report Designer</li> <li>• Normal Values</li> <li>• Respiration</li> <li>• USB Export</li> <li>• DICOM Media support</li> <li>• Can Deactivate USB conn.</li> <li>• Encrypt, LDAP</li> <li>• ePAT</li> </ul>

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Power Cords and Destination Sets			Country kit doesn't contain ecg cable !!!
Destination Sets			Must select one country kit
H45591LA	Country Kit, Std. EU		Includes power cable label and operator interface overlay if available
H45591LB	Country Kit, Germany		Includes power cable label and operator interface overlay if available
H45591LC	Country Kit, France		Includes power cable label and operator interface overlay if available
H45591LD	Country Kit, Italy		Includes power cable label and operator interface overlay if available
H45591LE	Country Kit, Spain		Includes power cable label and operator interface overlay if available
H45591LF	Country Kit, Portugal		Includes power cable label and operator interface overlay if available
H45591LG	Country Kit, Sweden		Includes power cable label and operator interface overlay if available
H45591LH	Country Kit, Norway		Includes power cable label and operator interface overlay if available
H45591LJ	Country Kit, Finland		Includes power cable label and operator interface overlay if available
H45591LK	Country Kit, Netherlands		Includes power cable label and operator interface overlay if available
H45591LL	Country Kit, Greece		Includes power cable label and operator interface overlay if available
H45591LN	Country Kit, Den.		Includes power cable label and operator interface overlay if available
H45591LP	Country Kit, Switzerland FR		Includes power cable label and operator interface overlay if available
H45591LR	Country Kit, Switzerland DE		Includes power cable label and operator interface overlay if available
H45591LS	Country Kit, Switzerland IT		Includes power cable label and operator interface overlay if available
H45591LW	Country Kit, UK		Includes power cable label and operator interface overlay if available
H45591MF	Country Kit, Israel		Includes power cable label and operator interface overlay if available
H45591MG	Country kit, Russia		Includes power cable label and operator interface overlay if available
H45591YA	Country Kit, Eurasian CU		Includes power cable label and operator interface overlay if available
H45581RT	Country kit, Ukraina		Includes power cable label and operator interface overlay if available
Keyboards			
H45591JA	A/N keybd - English Int.		For factory and field installation
H45591JB	A/N keybd - German		For factory and field installation
H45591JC	A/N keybd - French		For factory and field installation
H45591JD	A/N keybd - Spanish		For factory and field installation
H45591JE	A/N keybd - Italian		For factory and field installation
H45591JF	A/N keybd - Portuguese		For factory and field installation
H45591JG	A/N keybd - Russian		For factory and field installation
Power Cords			Only additional power cable if required. 1 power cable is included in country kit
H45591CT	Power Cable EU		
H45591AT	Power Cable UK		
H45591AP	Power Cable Denmark		
H45591CS	Power Cable SUI		
H45591AS	Power Cable Israel		

Item Number	Description	OKOS Option	Description / Comments
<b>Probes</b>			
<b>Phased Array Probes</b>			
H44901AE	M5Sc-D XDclear		
H45041DL	3Sc-RS		
H45021RR	6S-D		
H45021RT	12S-D		
<b>Linear Probes</b>			
H40442LM	9L-D		
H40432LN	11L-D		
H40452LG	ML6-15-D		Matrix Linear Array Probe XDclear
<b>Convex Probes</b>			
H40452LE	C1-5-D		
H40472LT	C1-6-D XDclear		
H40462LN	C2-9-D XDclear		
H40482LB	C3-10-D XDclear		Microconvex
<b>Doppler Probes</b>			
H4830JE	P2D		
H4830JG	P6D		
<b>TEE Probes</b>			
H45581BJ	6VT-D		Requires H45571FK , TEE probe interface operates in multiplane mode, with option 4D (H45581PG) in 4D-, triplane-, biplane-mode
H45551ZE	6Tc-RS		Requires H45571FK , TEE probe interface
H45531YM	9T-RS		Requires H45571FK , TEE probe interface
H44901AH	10T-D Probe		Multi-plane Micro TEE probe, tip 7.6 x 5.6 mm, patient weight down to 2.5 kg, Requires H45571FK , TEE probe interface
<b>Special Probes</b>			
H48952AR	ICEcord-RS w. Ferrite filter		Requires H45591RE , ICE interface
H40442LK	IC5-9-D		Endocavity probe
H40452LL	L8-18i-D		Hockeystick intraoperative linear probe

Item Number	Description	OKOS Option	Description / Comments
	<b>Probe Accessories</b>		
	<b>Biopsy Accessories</b>		
H45561FC	M5Sc-D Biopsy kit		
H46222LC	3Sc-RS Biopsy Kit		Civco ID Number: 742-370
H4906BK	9L-D Biopsy Kit		Civco ID Number: 742-333
H40432LC	11L-D Biopsy kit		Civco Ref. # 442-160
H40432LJ	ML6-15 Biopsy kit		Civco ID Number 742-355
H40432LE	C1-5-D Biopsy kit		Civco Ref. # 442-174
H4913BB	C1-6-D Biopsy kit		Civco Ref. # 442-213
H4913BA	C2-9-D Biopsy kit		Civco Ref. # 442-210
E8385MJ	ICD5-9-D Biopsy Kit		Civco ID Number: 742-270
	<b>TEE Probes Accessories</b>		
H45511EE	TEE Clip-On Bite Guard Adult		Supporting adult TEE investigation used for patients under general anaesthesia during surgery.
H45521CB	TEE Clip-On Bite Guard Adult OR		Supporting adult TEE investigation used for patients under general anaesthesia during surgery.
H45521JH	TEE Conventional Bite Guard Adult		Conventional Bite Guard supporting adult TEE investigation.
H45521CK	Adult TEE Scanhead Protection Cover		Cover scanhead for protection during transportation
H45521JG	TEE Conventional Bite Guard Pediatric		Conventional Bite Guard supporting adult TEE investigation.
H45541RN	Pediatric TEE Scanhead Protection Cover		Supporting adult TEE investigation used for patients under general anaesthesia during surgery.
H45551NM	TEE Storage Rack		For storage of Adult and Pediatric TEE probes, wall mounted unit. Store disinfected probes, ready for the next use.
H45531HS	Bite Hole Indicator		For detection of bite marks in TEE shaft surface

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<b>Options</b>			
<b>Advanced Option</b>			
H45581PG	4D	X	4D and biplane / triplane acquisition with 6VT-D probe
H45581EK	Biplane/Triplane Option	X	enables biplane and triplane imaging on 6VT-D (included in 4D option, H45581PG)
H45601ZG	HD Color	X	Requires 4D option H45581PG
H45591AD	4D Auto MVQ	X	Requires 4D option H45581PG
H45581CL	4D Auto AVQ	X	Requires 4D option H45581PG
H45601GK	4D Markers	X	Requires 4D option H45581PG
H45601YX	AI Auto Measure - 2D	X	
H45601YY	AI Auto Measure - Spectrum Recognition	X	
H45551WK	Smart Stress	X	
H45561RK	Advanced Qscan imaging	X	Includes TSI (Tissue Synchronization Imaging), Advanced TSI, Strain and Strain Rate Imaging.
H45561HG	QA	X	Provides numerical results as well as graphs from 2D, color, TVI data
H45601YK	Auto EF 3.0	X	
H45601WG	AFI 3.0	X	
H45601TT	AFI RV	X	
H45601TU	AFI LA	X	
H45561MZ	Adv. Vas/Abd. Contrast	X	
H45551WL	IMT	X	
H45561NE	Rodent	X	Veterinarian kit H45581TS must be installed or need to be ordered
H45571FP	Scan Assist Pro	X	
H45571FK	TEE probe Interface	X	Required to operate any TEE probe on S60N
H45591RE	ICE interface	X	Doesn't include ICE catheter, customer needs to order separately from Biosense Webste
H45591RF	CartoSound interface	X	<b>Must order a power cord with every CartoSound interface!</b> When order CartoSound Interface H45591RF, the ICE Probe Interface H45591RE and the ICE cord H48952AR must be installed or needs to be ordered. Contains SW key, video splitter H48982AN
H45601YRED	Vivid S eDelivery Enable	X	
<b>Option Bundle</b>			
H45611HW	Auto EF 3.0 and AFI 3.0 bundle	X	Contains AutoEF 3.0 and AFI 3.0

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<b>Options</b>			
<b>Connectivity Options</b>			
H45551WW	DICOM Network Connectivity	X	Image Storage, Storage Commit, Modality Worklist, MPPS, DICOM Print, Structured Reporting, Query/Retrieve
H45581EJ	Embedded DICOM viewer on DVDs	X	
H45601GW	Tricify connectivity	X	
H45601GJ	Streaming S-series	X	2D and 4D streaming of ultrasound data to an external display via secure network connection
H45591HS	Wi-Fi kit		
<b>Hardware Options</b>			
H45611JF	UPS 220-240V 50/60Hz		Uninterruptable power supply, <b>requires H45611JG only available for Germany, France, Greece, Italy at the moment</b>
H45611JG	UPS Support Kit		Required to operate the UPS H45611JF
H45051AB	Smart Standby - Battery		<b>Battery can only be ordered together with a new scanner, not separately!</b>
H45591AK	View-X		comes with EU type and UK type power cord. Other power cord must be ordered separately!
H46732LF	Tripedal footswitch		
H48982AN	Isol. HDMI converter/splitter		<b>Must order a power cable with every video splitter</b>
H45581TS	Vivid S60N_70N Vet kit		
H48992LR	Vet probe caution label		
<b>ECG Accessories</b>			
H45601SD	ECG cable, adult, IEC		Multi-Link 3/5-lead ECG Care cable, IEC, 3.6 m. Used together with H45601SE ECG lead set, adult, IEC. Note: Included with the console order. This cable can also be utilized for neonatal use together with adapter H45601SK and neonatal leads H45571RK.
H45601SE	ECG lead set, adult, IEC		Multi-Link 3-leadwire set IEC, 74cm, grouped, grabber, IEC, 3/set Used together with H45601SD ECG cable, adult, IEC. Note: Included with the console order.
H45601SG	ECG cable, neo, IEC		Multi-Link 3-lead ECG Care cable neonatal DIN, IEC (3.6 m/12ft). Used together with neonatal leads H45571RK
H45571RK	Lead/electr neo IEC 600		Neonatal cloth electrode with preattached leadwire, IEC, DIN, 3/pouch, 600/box. Used with neonatal ECG cable H45601SG.
H45601SK	Adapter, ECG 3-lead		ECG Cable Adapter, Multi-link 3-lead DIN adapter This adapter can be used together with adult ECG cable H45601SD (IEC) and neonatal ECG leads/electrodes H45571RK (IEC).
H45021LL	Ext ECG Cable		External ECG Cable

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	Peripherals		
	Printers		
H45601YZ	USB B/W video printer v204		Sony UP-D898MD (Includes the printer support H45051CV)
H45601ZB	USB B/W printer support v204		included in H45601YZ. Is only needed if the b/w printer is purchased separately
H45561AA	USB color video printer		UP-D25MD
H45541MJ	Col Laser Printer 220-240V		HP Laser Jet Pro 400 color M452
H45541MH	Col Laser Printer 100-120V		HP Laser Jet Pro 400 color M452
	Other Peripherals		
H45601ZC	DVD RW		DVD Multi Writer

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<b>Accessories</b>			
H45051AC	Storage box		
H45551MH	Stereo Glasses for 3D visualization, Set		4 Anachrome 3D glasses / 1 Anachrome 3D glasses Clip-on Flip / 1 Spectacle casing
H45551MJ	Spectacle Casing		
H45551MK	Anachrome 3D glasses		
H45551ML	Anachrome 3D glasses Clip-On Flips		
<b>Upgrades for CN and NOR systems</b>			<b>Available from Q3/Q4 2019</b>
H45601RS	Vivid S60N/S70N from v202 to v203Upg		For systems from CN and NOR. System must be at rev. 202
H45601ZA	Vivid S70N_S60N v203 to v204UPG		Software to upgrade a Vivid S60N v203 to a Vivid S60N v204 If the AFI 2.0 and Auto EF 2.0 options were purchased with the v203 console, then AFI 3.0 and AutoEF 3.0 are included with the upgrade
H45601YU	PSB old R3 S60/70N systems + ML6-15-D		New Probe Support Board. Needed for China manufactured R3 systems (H45601GA and GB) with S/N below 211659S60N and for all Norway manufactured R3 systems (H4601GC and GD) to support the ML6-15-D probe
<b>Upgrades for NOR systems only</b>			
H45591WP	VS60N/70N from 201 to 202 Upg		For Europe only
H45591NB	R1 ICE HW Upg		This HW upgrade needs to be ordered with the ICE interface option H45591RE for upgraded original v201 (R1) systems . Requires H45591WP in addition if system is on rev. 201. System is on 202 and can run ICE afterwards. To upgrade to 203 H45601RS is required in addition
H45591PC	MVA to Auto MVQ conversion		
<b>Upgrades for NON-N systems only</b>			
H45601ZZ	VS60/70 from 203 to 204 Upg		<b>For Europe and Non-N systems only</b> Software to upgrade a Vivid S60 v203 to a Vivid S60 v204 If the AFI 2.0 and Auto EF 2.0 options were purchased with the v203 console, then AFI 3.0 and AutoEF 3.0 are included with the upgrade

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System Manuals and Documentation			
H48542LD	AIUM Booklet		
H45611GA	VS60N-S70N Ultra Edition UM - English		
H45611GB	VS60N-S70N Ultra Edition UM - German		
H45611GC	VS60N-S70N Ultra Edition UM - French		
H45611GD	VS60N-S70N Ultra Edition UM - Spanish		
H45611GE	VS60N-S70N Ultra Edition UM - Swedish		
H45611GF	VS60N-S70N Ultra Edition UM - Norwegian		
H45611GG	VS60N-S70N Ultra Edition UM - Danish		
H45611GH	VS60N-S70N Ultra Edition UM - Dutch		
H45611GJ	VS60N-S70N Ultra Edition UM - Russian		
H45611GL	VS60N-S70N Ultra Edition UM - Ukrainian		
H45611GM	VS60N-S70N Ultra Edition UM - Kazakh		
H45611GN	VS60N-S70N Ultra Edition UM - Romanian		
H45611GP	VS60N-S70N Ultra Edition UM - Serbian		
H45611GR	VS60N-S70N Ultra Edition UM - Croatian		

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TEE Probes Manuals and Documentation			
H45531RA	TEE Probes User Manual Eng,Fre,Ger,Chi	H45601FB	10T-D Probe User Manual - English
H45531RD	TEE Probes User Manual Italian	H45601FA	10T-D Probe User Manual - Norwegian
H45531RE	TEE Probes User Manual Spanish	H45601FD	10T-D Probe User Manual - French
H45581AN	TEE Probes User Manual Port, Europe	H45601FE	10T-D Probe User Manual - German
H45531RJ	TEE Probes User Manual Swedish	H45601FF	10T-D Probe User Manual - Italian
H45531RK	TEE Probes User Manual Norwegian	H45601FG	10T-D Probe User Manual - Spanish
H45531RL	TEE Probes User Manual Danish	H45601FK	10T-D Probe User Manual - Swedish
H45531RM	TEE Probes User Manual Polish	H45601FL	10T-D Probe User Manual - Danish
H45531RN	TEE Probes User Manual Finnish	H45601FM	10T-D Probe User Manual - Polish
H45531RP	TEE Probes User Manual Greek	H45601FN	10T-D Probe User Manual - Finnish
H45531RQ	TEE Probes User Manual Russian	H45601FP	10T-D Probe User Manual - Greek
H45531RR	TEE Probes User Manual Dutch	H45601FR	10T-D Probe User Manual - Russian
H45541PL	TEE Probes User Manual Hungarian	H45601FS	10T-D Probe User Manual - Dutch
H45541PM	TEE Probes User Manual Slovakian	H45601FT	10T-D Probe User Manual - Hungarian
H45541PN	TEE Probes User Manual Romanian	H45601FW	10T-D Probe User Manual - Slovakian
H45541PP	TEE Probes User Manual Czech	H45601FY	10T-D Probe User Manual - Romanian
H45541PQ	TEE Probes User Manual Latvian	H45601FZ	10T-D Probe User Manual - Czech
H45541PR	TEE Probes User Manual Lithuanian	H45601HA	10T-D Probe User Manual - Latvian
H45541PT	TEE Probes User Manual Estonian	H45601HB	10T-D Probe User Manual - Lithuanian
H45551ZQ	TEE Probes User Manual Serbian	H45601HD	10T-D Probe User Manual - Estonian
H45551ZR	TEE Probes User Manual Bulgarian	H45601HF	10T-D Probe User Manual - Serbian
H45561RH	TEE probes User manual Croatian	H45601HG	10T-D Probe User Manual - Bulgarian
H45581PT	TEE Probes User Manual Slovenian	H45601HH	10T-D Probe User Manual - Slovenian
H45581PL	TEE Probes User Manual Ukraine	H45601HK	10T-D Probe User Manual - Croatian
		H45601HL	10T-D Probe User Manual - Portuguese Eu
		H45601HM	10T-D Probe User Manual - Ukrainian
		H45601HN	10T-D Probe User Manual - Kazakh

[System Overview](#)
[Base System](#)
[Country Kits  
Keyboards  
Powercords](#)
[Probes](#)
[Biopsy and TEE  
Accessories](#)
[Advanced  
Options  
Connectivity](#)
[Hardware Options  
ECG Accessories](#)
[Printers and  
other Peripherals](#)
[Accessories and  
Upgrades](#)
[System  
Manuals](#)
[TEE  
Manuals](#)

# Revision History

Rev	Date	Created by	Description of Changes
Draft A	Oct. 18, 2019	Christian Berger	Initial Release
Pre release	Mar. 23, 2020	Christian Berger	Pre release
Release A	Jun. 08. 2020	Christian Berger	Released
Release B	Aug. 31., 2020	Christian Berger	Added H45611HW, AutoEF 3.0 and AFI 3.0 bundle
Release C	Nov. 23., 2020	Christian Berger	Added H45571RK <b>Lead/electr neo IEC 600</b> for Norway systems
Release D	Dez. 12., 2020	Christian Berger	Added H45601ZZ, R3 to R4 upgrade for NON-N systems
Release E	Mar. 31, 2021	Christian Berger	Added UPS H45611JF and UPS support kit H45611LU for Germany, France, Greece, Italy
Release F	Apr. 08, 2021	Christian Berger	Deleted neo lead cat# H45601SJ for CN systems, H45571RK now for all systems
Release G	May 10, 2021	Christian Berger	Changed countries ordering NOR system, removed RVQ from overview (mistake)
Release H	Jun 21, 2021	Christian Berger	Added ecg cable cat#s for NOR systems (H45571RA and H45571RB)
Release I	Jul 08, 2021	Christian Berger	Deleted H45571RA and H45571RB (out of stock Horten)



POWERED BY AI  
**ELEVATED BY YOU**

**Vivid™ S70N**  
Ultra Edition



**Vivid**

[gehealthcare.com/vivid](https://www.gehealthcare.com/vivid)

# WORKLOAD IS HIGH

Vivid S70N  
Ultra Edition

## WHILE ENERGY AND DETERMINATION PERSIST

By 2030,

▲ **40.5%**

of the US population is projected to have some form of Cardiovascular Disease (CVD)<sup>1</sup>

▲ **~108m**

annual echo exams performed globally<sup>2</sup>

**90%**

of sonographers experience symptoms of Work Related Musculoskeletal Disorders (WRMSD)<sup>4</sup>

**Generating**

▲ **\$120+** billion

**yearly in** direct and indirect costs for employers<sup>4</sup>

**10-15%**

of echo exams result in sub-optimal images<sup>3</sup>

1. Forecasting the Future of Cardiovascular Disease in the United State, AHA Policy Statement, 2011, source: CIR.0b013e31820a55f5

2. Source: Healthcare Infrastructure and Procedural Volume for Ultrasound Imaging, Frost & Sullivan, 2018. Approx. 108.12 million echo exams are performed annually; Calculation based on 26% total global prevalence of CVD cases (422 million) undergoing echo exam; extrapolated from US study indicating roughly 26% of total prevalent CVD cases underwent echo exams percentage value validated from reports.[https://www.prb.org/wp-content/uploads/2015/12/2015-world-population-data-sheet\\_eng.pdf](https://www.prb.org/wp-content/uploads/2015/12/2015-world-population-data-sheet_eng.pdf)

3. Kurt M, Shaikh K, Peterson L, et al. Impact on contrast echocardiography on evaluation of ventricular function & clinical management in a large prospective cohort. J Am Coll Cardiol. 2009; 53(9):802-810

4. Work Related Musculoskeletal Disorders In Sonography, Society Of Diagnostic Medical Sonography, 2018, Susan Murphey, BS, RDMS, RDCS, CECD <https://www.sdms.org/docs/default-source/Resources/work-related-musculoskeletal-disorders-in-sonography-white-paper.pdf?sfvrsn=8>

# Vivid S70N

## Ultra Edition



Designed to provide you with uncompromised image quality, advanced visualization capabilities and easy measurements – while helping reduce tedious tasks and inter-observer variability.<sup>1</sup>

- 2D TTE and TEE, 4D TEE, and ICE imaging
- Wide range of imaging presets including cardiac, vascular, abdominal, and much more
- Intuitive, familiar user experience
- Automated workflow for streamlined scanning
- AI tools for speed, productivity and reproducibility
- Ergonomic design for user comfort



# MODERN ERGONOMICS

A familiar, yet modern  
and efficient design.

22" adjustable monitor

12" LCD touch screen

Adjustable keyboard

Convenient alphanumeric  
keyboard storage

Convenient cable  
management

Low power  
consumption

Battery powered  
"standby" function,  
up and running  
within few  
seconds

Easy mobility



# POWERED BY AI

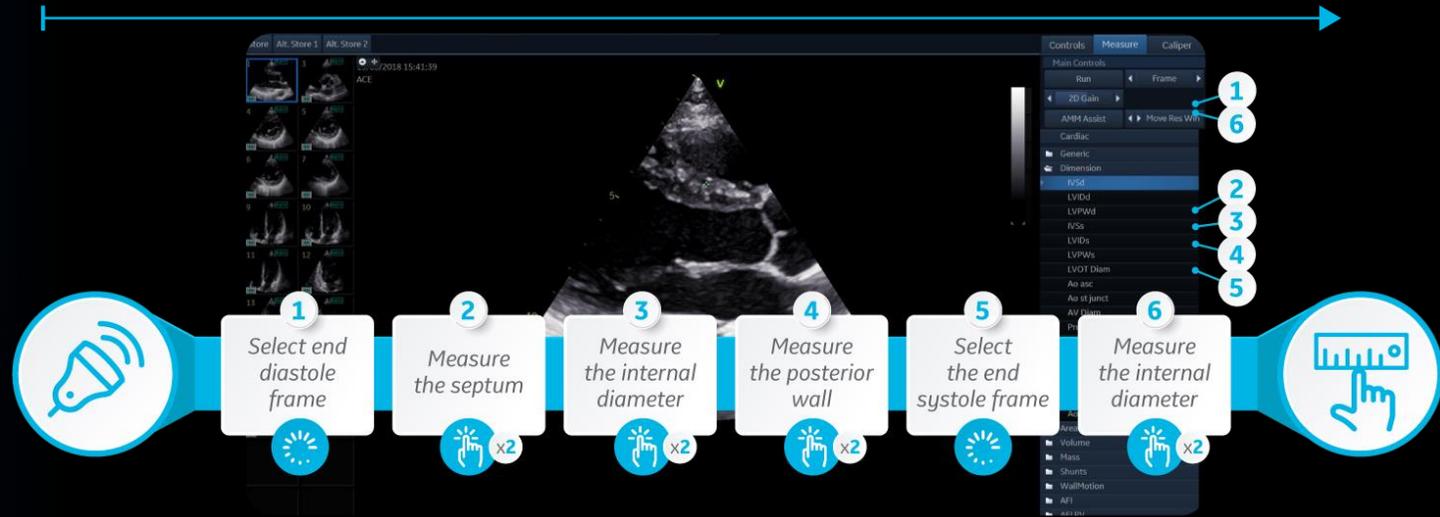
Your time is precious. Save it.

Vivid S70N  
Ultra Edition

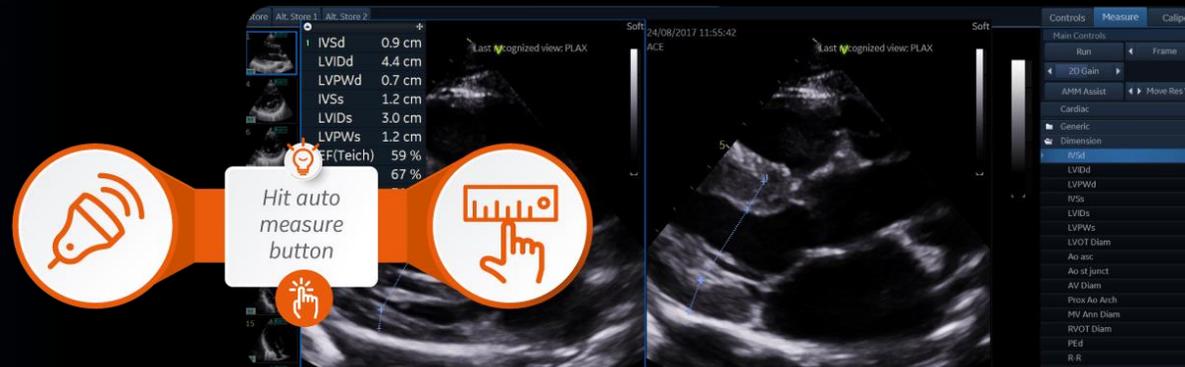
## AI Auto Measure 2D

- Powered by AI
- Caliper measurements can be completed with 3 clicks:  
**Freeze - Measure - Auto**
- Reproducible measurements will instantly appear on screen

### STANDARD WORKFLOW



### AI-ENHANCED WORKFLOW



LESS CLICKS <sup>1</sup>  
UP TO **80%**

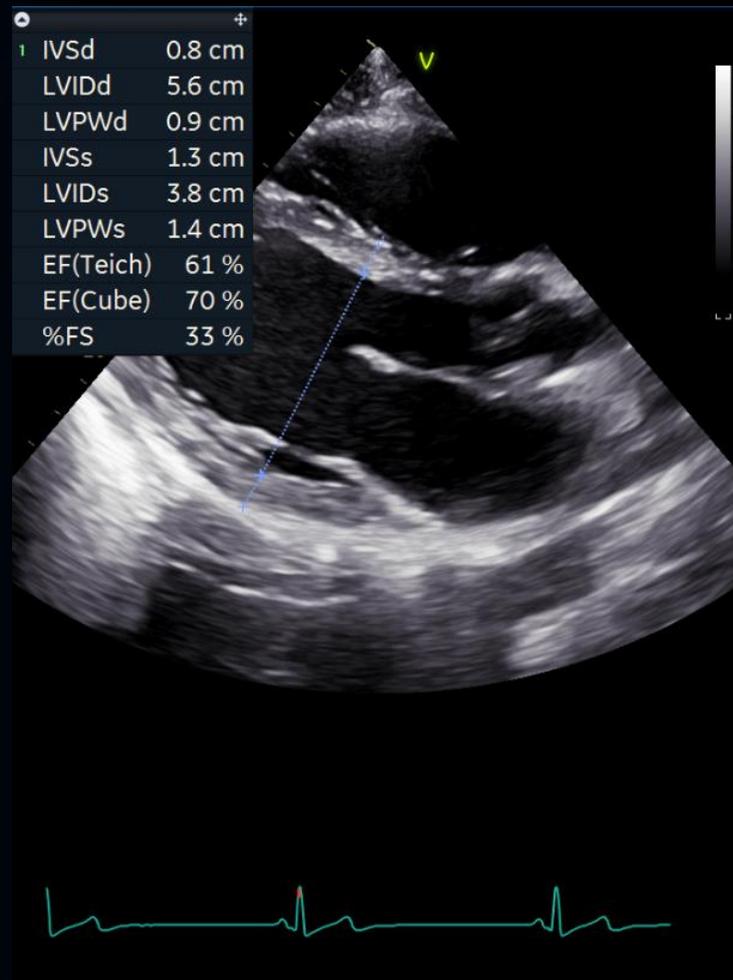
# POWERED BY AI

Your time is precious. Save it.

## Vivid S70N

Ultra Edition

### AI Auto Measure 2D



LESS CLICKS <sup>1</sup>  
UP TO **80%**



1. The Role of AI in Streamlining Echocardiography Quantification White Paper, Kristin McLeod - JB80498XX

APPLICATIONS POWERED BY **AI**

# POWERED BY AI

Your time is precious. Save it.

**Vivid S70N**  
Ultra Edition

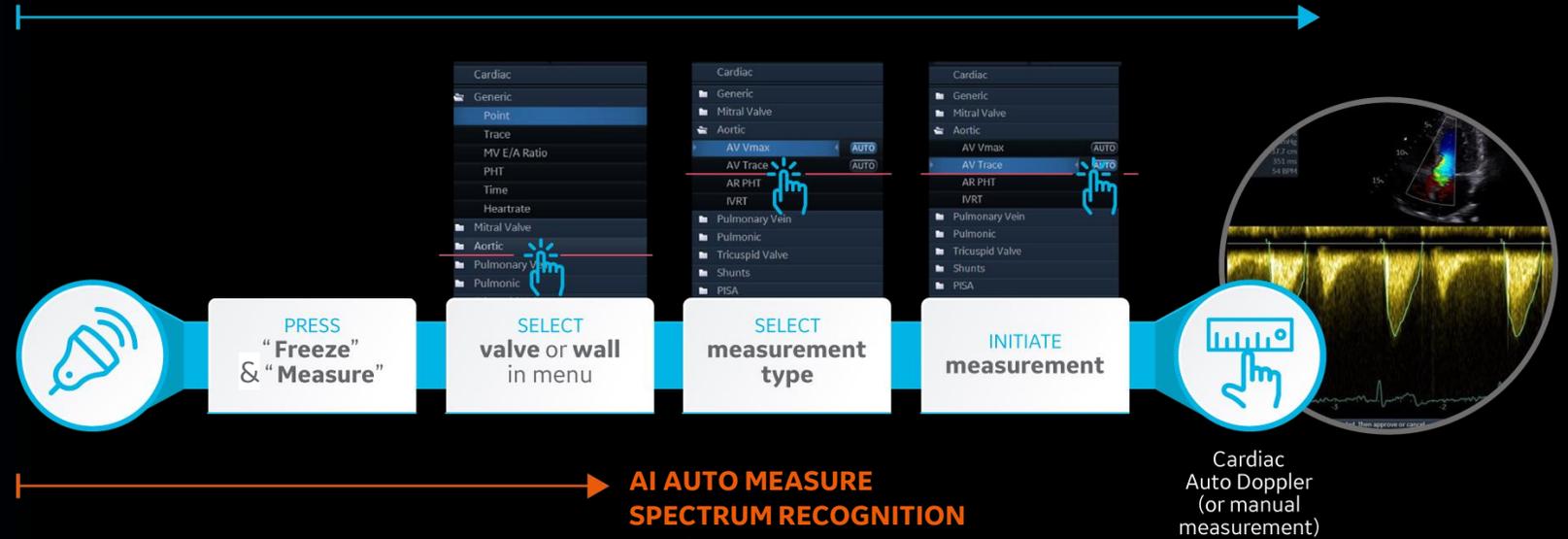
## AI Auto Measure Spectrum Recognition

- Powered by AI
- Full range of Doppler Measurements in 2 clicks:  
**Freeze - Measure**
- Trace and measurements will instantly appear on screen

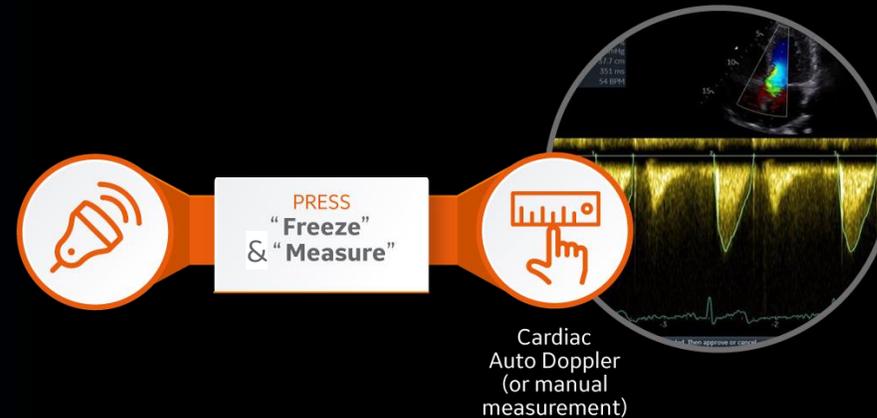
ACCURACY <sup>1</sup>  
**98%**

REPRODUCIBILITY <sup>1</sup>  
**100%**

### STANDARD WORKFLOW



### AI AUTO MEASURE SPECTRUM RECOGNITION WORKFLOW



1. The Role of AI in Streamlining Echocardiography Quantification White Paper, Kristin McLeod - JB80498XX

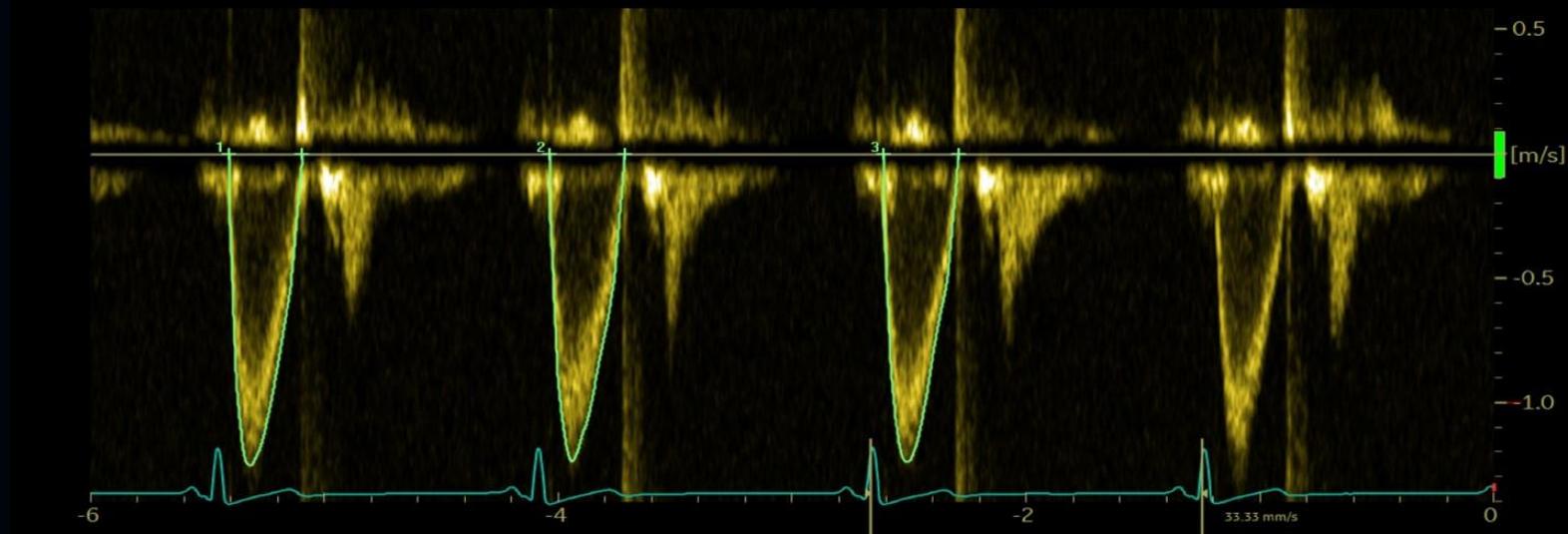
# POWERED BY AI

Your time is precious. Save it.

## Vivid S70N Ultra Edition

### AI Auto Measure Spectrum Recognition

Av	LVOT Vmax	1.24 m/s
	LVOT Vmean	0.84 m/s
	LVOT maxPG	6.19 mmHg
	LVOT meanPG	3.28 mmHg
	LVOT VTI	26.6 cm
	LVOT Env.Ti	318 ms
	HR	43 BPM



ACCURACY<sup>1</sup>

98%



REPRODUCIBILITY<sup>1</sup>

100%



1. The Role of AI in Streamlining Echocardiography Quantification White Paper, Kristin McLeod - JB80498XX

# POWERED BY AI *Your time is precious. Save it.*

**Vivid S70N**  
Ultra Edition

## AI AFI LV with AI View Recognition

Fully automatic recognition of the apical imaging views and measurements of GLS and segmental longitudinal Strain for LV.

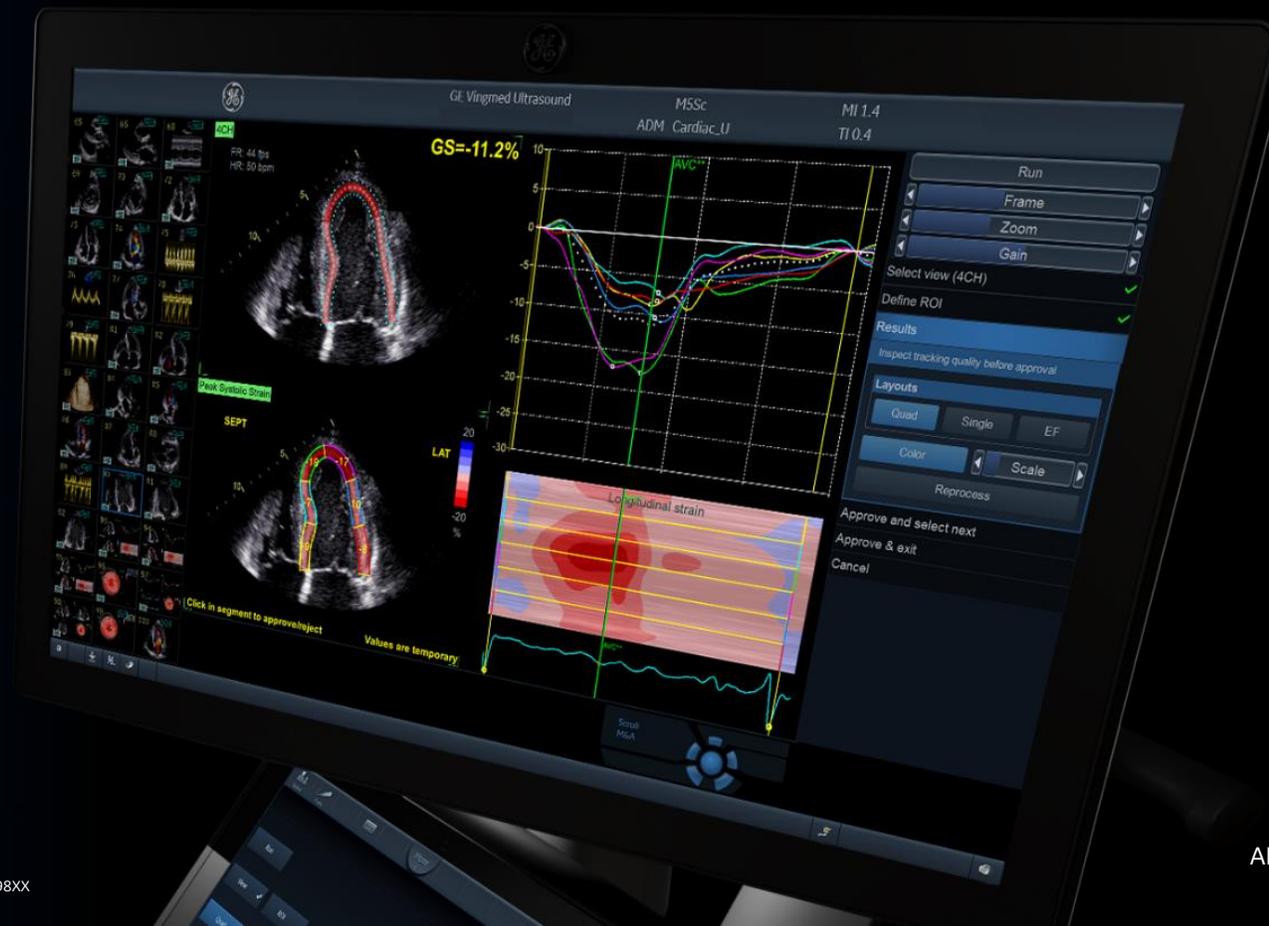
ACCURACY<sup>1</sup>

99%



REPRODUCIBILITY<sup>1</sup>

100%



1. The Role of AI in Streamlining Echocardiography Quantification White Paper, Kristin McLeod - JB80498XX

# POWERED BY AI

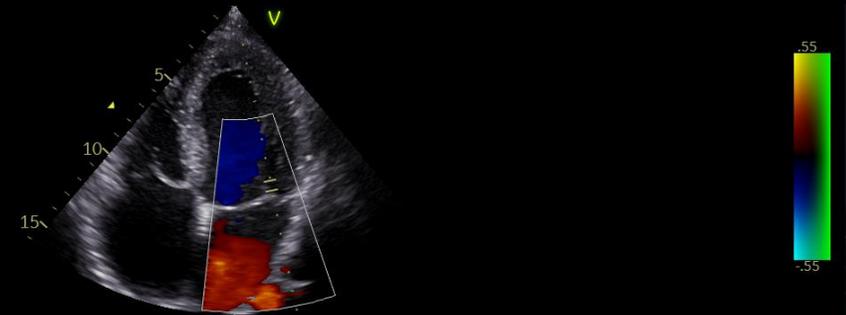
Your time is precious. Save it.

**Vivid S70N**  
Ultra Edition

## AI Cardiac Auto Doppler with AI

Semi-automatic Cardiac Doppler measurements.

Av	MV E Vel	0.82 m/s
	MV DecT	220 ms
	MV Dec Slope	3.7 m/s <sup>2</sup>
	MV A Vel	0.45 m/s
	MV E/A Ratio	1.81



REDUCED TIME PER MEASUREMENT

UPTO **93%**

Fewer Keystrokes<sup>1</sup>

LOWER INTER OPERATOR VARIABILITY

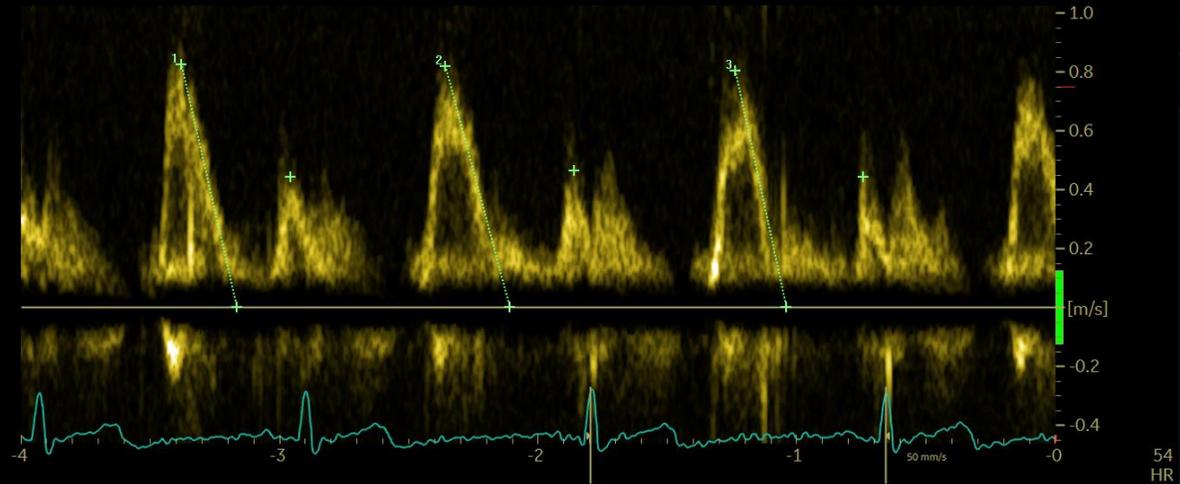
REDUCE VARIABILITY  
**~3x**

Standardized exams with greater reproducibility<sup>1</sup>

ACCELERATED WORKFLOW



Productivity improvement

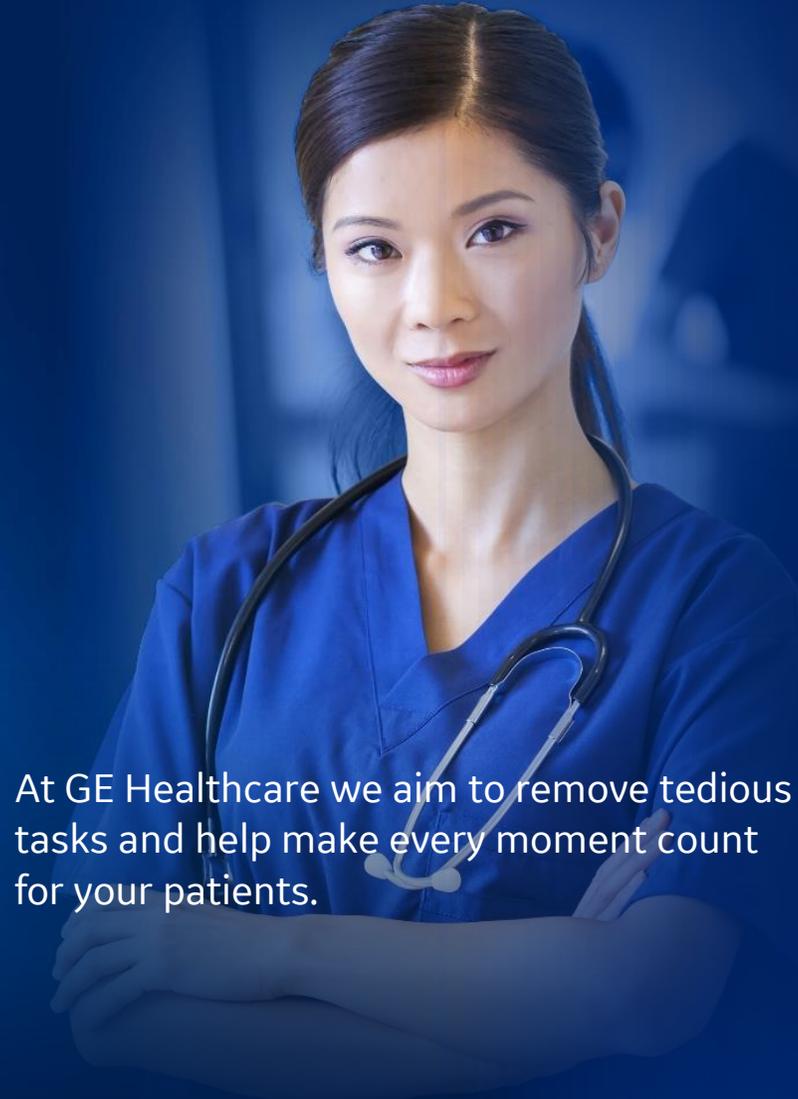


1. Based on results of time and motion study conducted by GE "JB49055XX - Cardiac Auto Doppler"; study results indicated time savings related productivity increase up to ~8 on an annual basis for a facility per sonographer

# CLINICAL EXCELLENCE

## for the Echo Lab

**Vivid S70N**  
Ultra Edition

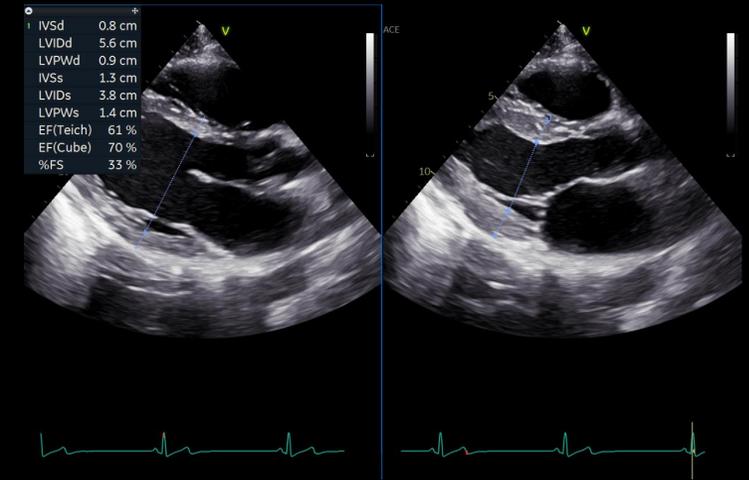


At GE Healthcare we aim to remove tedious tasks and help make every moment count for your patients.

### AI Auto Measure 2D

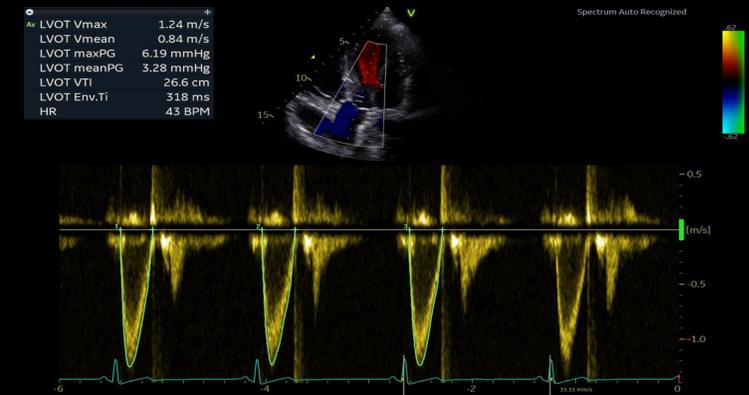
With the power of AI, the manual caliper measurements can be completed with 3 clicks: **Freeze – Measure – Auto.**

A full set of reproducible measurements will instantly appear on the screen.



### AI Auto Measure Spectrum Recognition

With the power of AI, a wide range of Doppler measurements can be completed with 2 clicks: **Freeze – Measure.** A Doppler trace and full set of associated measurements will instantly appear on the screen.



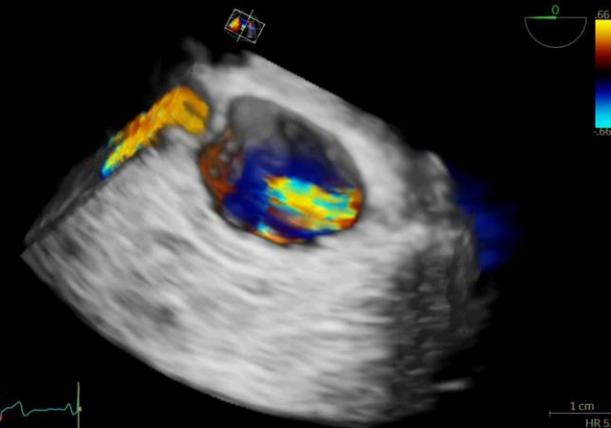
# CLINICAL EXCELLENCE

## for Interventional Procedures

**Vivid S70N**  
Ultra Edition

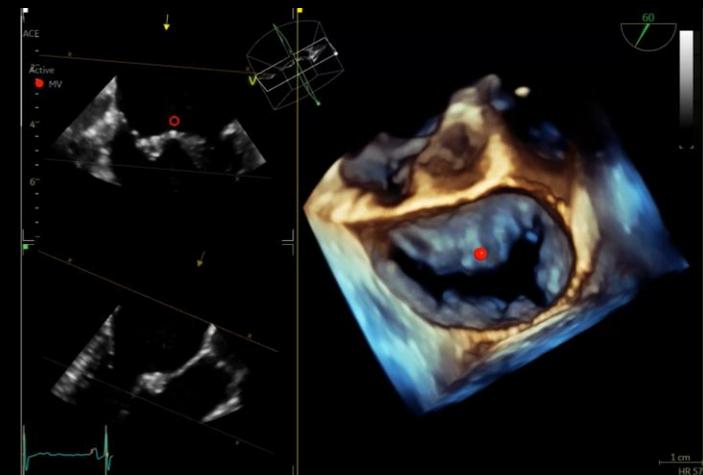
### HD Color

HD Color is a 4D color flow rendering technique for volumetric flow perception and semi-transparent visualization of origin and size of high velocity jets



### 4D Markers

Make annotations that are viewable from all angles on 4D ultrasound volume data sets on their 2D views, facilitating communication in the echo lab, cath lab and OR..



Demand for interventional procedures is growing and so are expectations of the heart team. Grow your capacity and capabilities with advanced ultrasound and conquer difficult cases.

# CLINICAL EXCELLENCE

## for Pediatrics

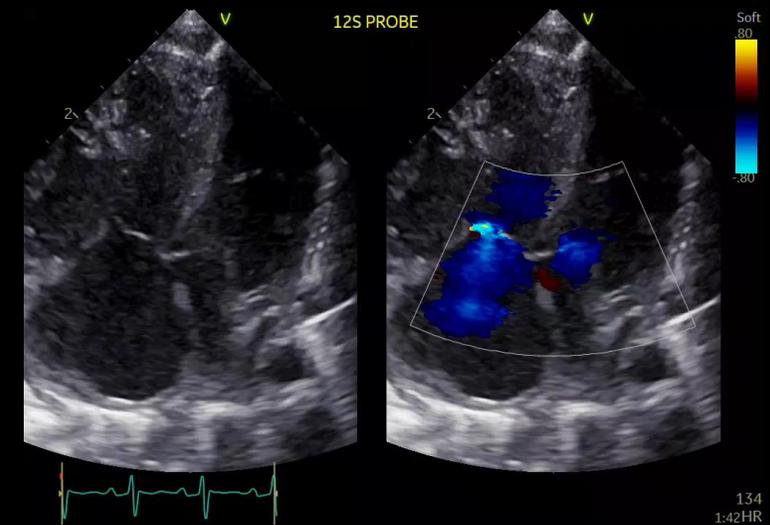
**Vivid S70N**  
Ultra Edition



### Pediatric imaging

Visualize small anatomies with speed, clarity and confidence thanks to Vivid S70N Ultra Edition's superb high-resolution imaging and dedicated pediatric probes.

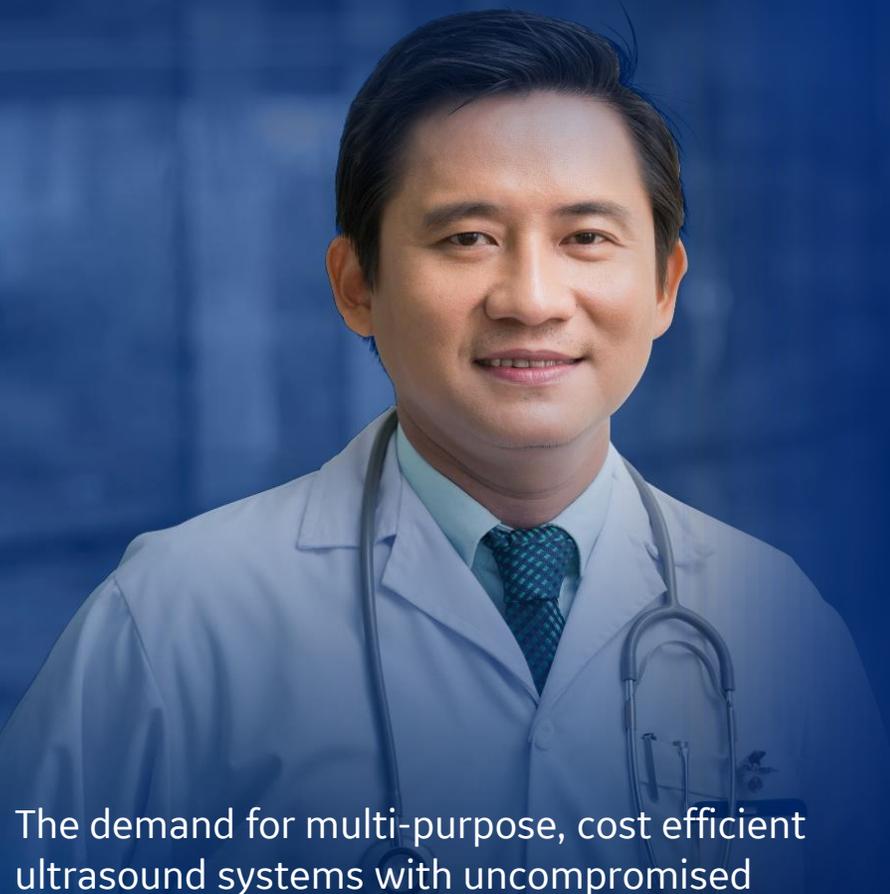
The smallest cardiac patients can pose the biggest care challenges with difficult to diagnose, severe conditions.



# CLINICAL EXCELLENCE

beyond Cardiology

Vivid S70N  
Ultra Edition

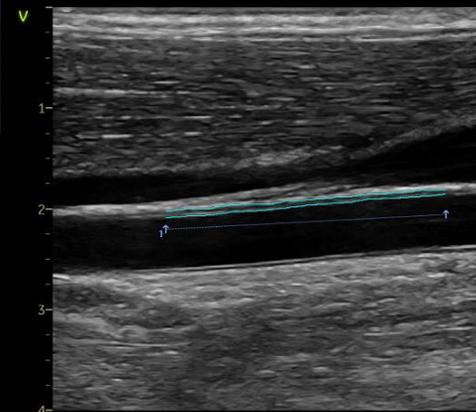


The demand for multi-purpose, cost efficient ultrasound systems with uncompromised image quality is growing. Your Vivid S70N Ultra Edition will exceed your expectations across a wide range of application.

## Vascular quantification

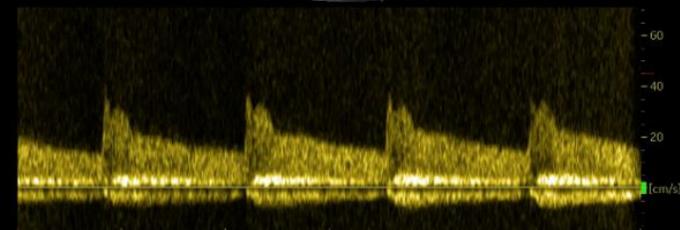
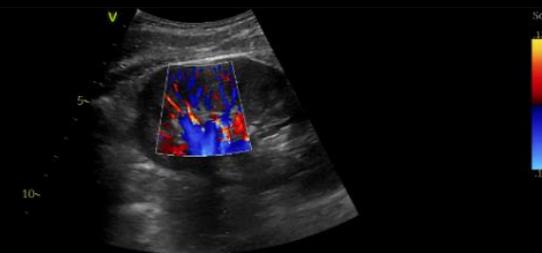
Develop fast and complete quantitative assessment of vascular anatomies, such as the Intima Media Thickness, with dedicated vascular measurement tools.

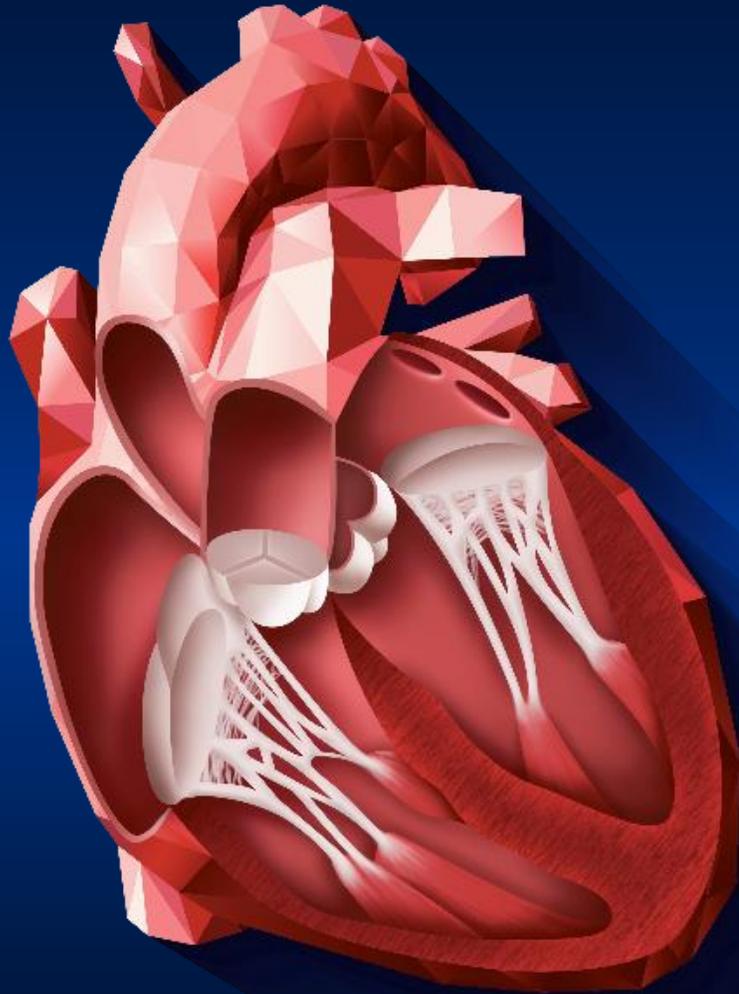
d	0.12 cm
IMT A Avg	0.59 mm
IMT A Max	0.76 mm
IMT A Min	0.40 mm
IMT A SD	0.08 mm
IMT A Pts	694



## Abdomen diagnosis

Visualize tissues and flow patterns with greater details thanks to Vivid S70N Ultra Edition's high-resolution imaging.





# VIVID HEART APPLICATIONS

A wide range of clinical applications for use  
in Core Echo Lab, Interventional and Pediatrics.



# VIVID HEART APPLICATIONS

## VISUALIZATION AND NAVIGATION

4D Markers

FlexiSlice

FlexiViews

View-X

Ultra Edition

HD Color

## FLOW QUANTIFICATION

Cardiac Auto Doppler **AI**

Ultra Edition

AI Auto Measure Spectrum Recognition **AI**

## VALVE AND CHAMBERS QUANTIFICATION

4D Auto AVQ

4D Auto MVQ

4D Auto LVQ

Ultra Edition

AI Auto Measure 2D **AI**

Auto EF **AI**

## AFI FUNCTIONAL IMAGING

Ultra Edition

AFI LV with AI View Recognition **AI**

AFI RV

AFI LA



**VIVID HEART**  
APPLICATIONS

# NAVIGATION **AND** VISUALIZATION

*Why guess? When you can see.*

# HD Color

**Vivid S70N**  
Ultra Edition

4D color flow rendering technique for semi-transparent visualization of origin and size of high velocity jets

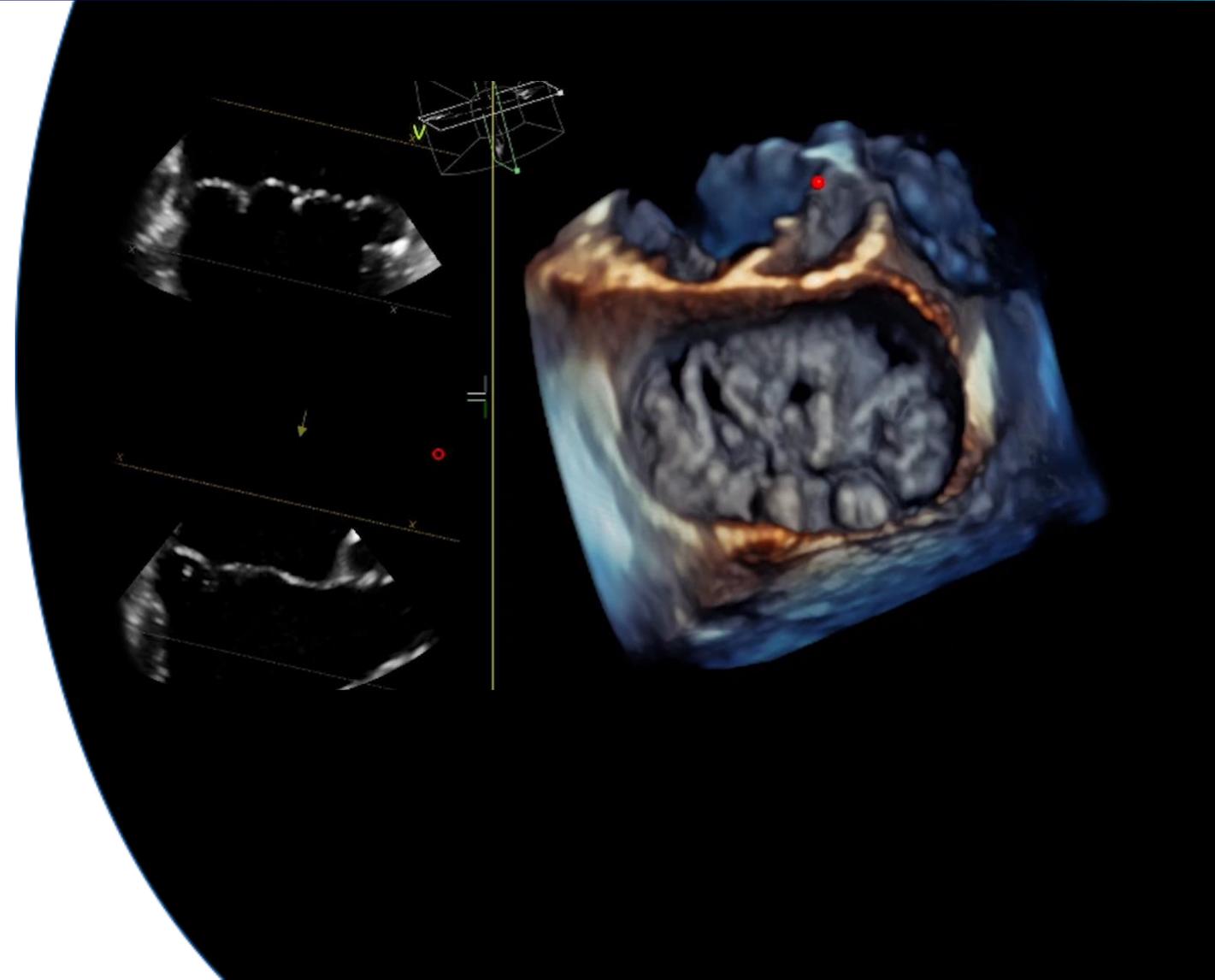
## Benefits:

- Enhance spatial relationships between flow and the surrounding structures
- Suppress non-diagnostic low flow information. Work seamlessly with other visualization techniques such as 4D markers
- Supports 4D color flow data also from previous releases



# 4D Markers

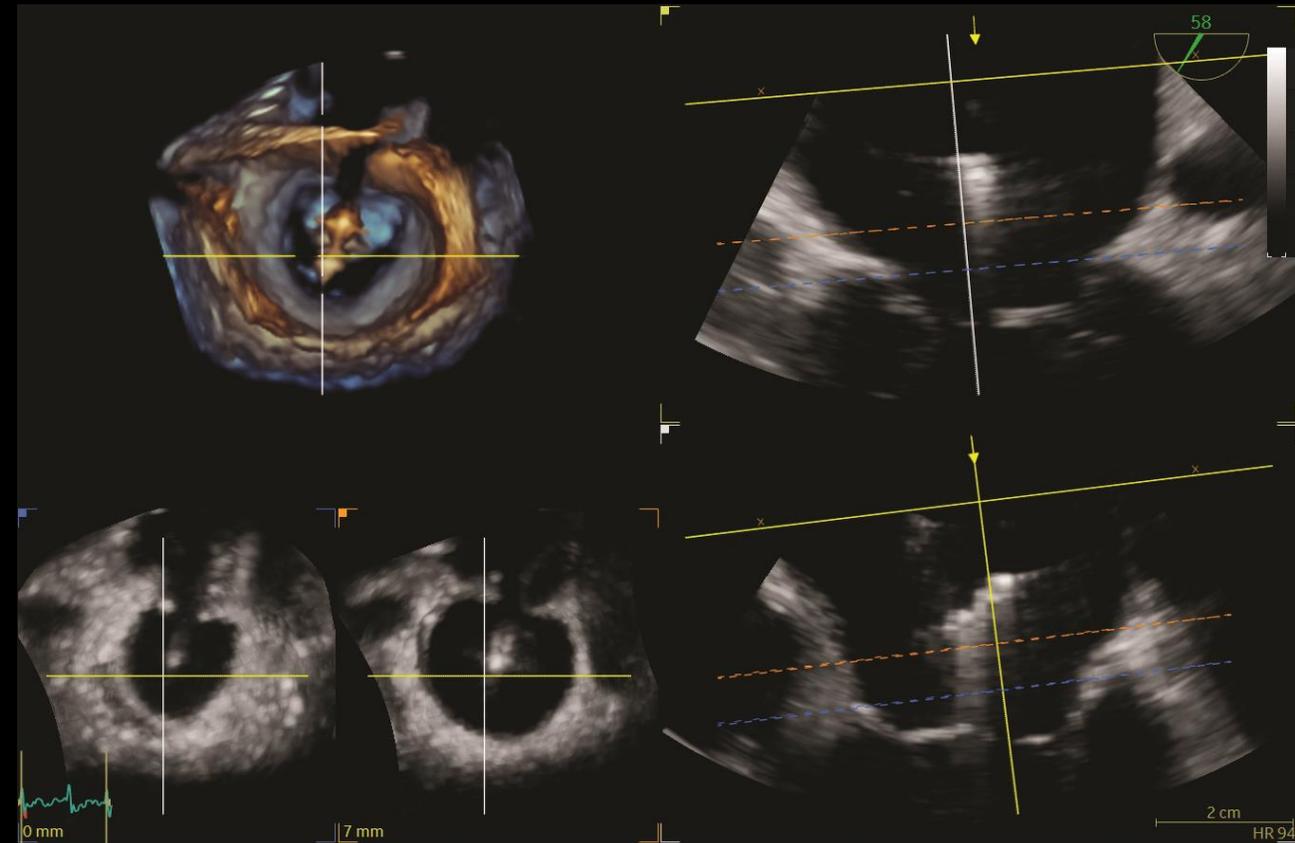
Make annotations that are viewable from all angles on 4D ultrasound volume data sets and their 2D views, facilitating communication in the echo lab, cath lab and OR.



# FlexiSlice

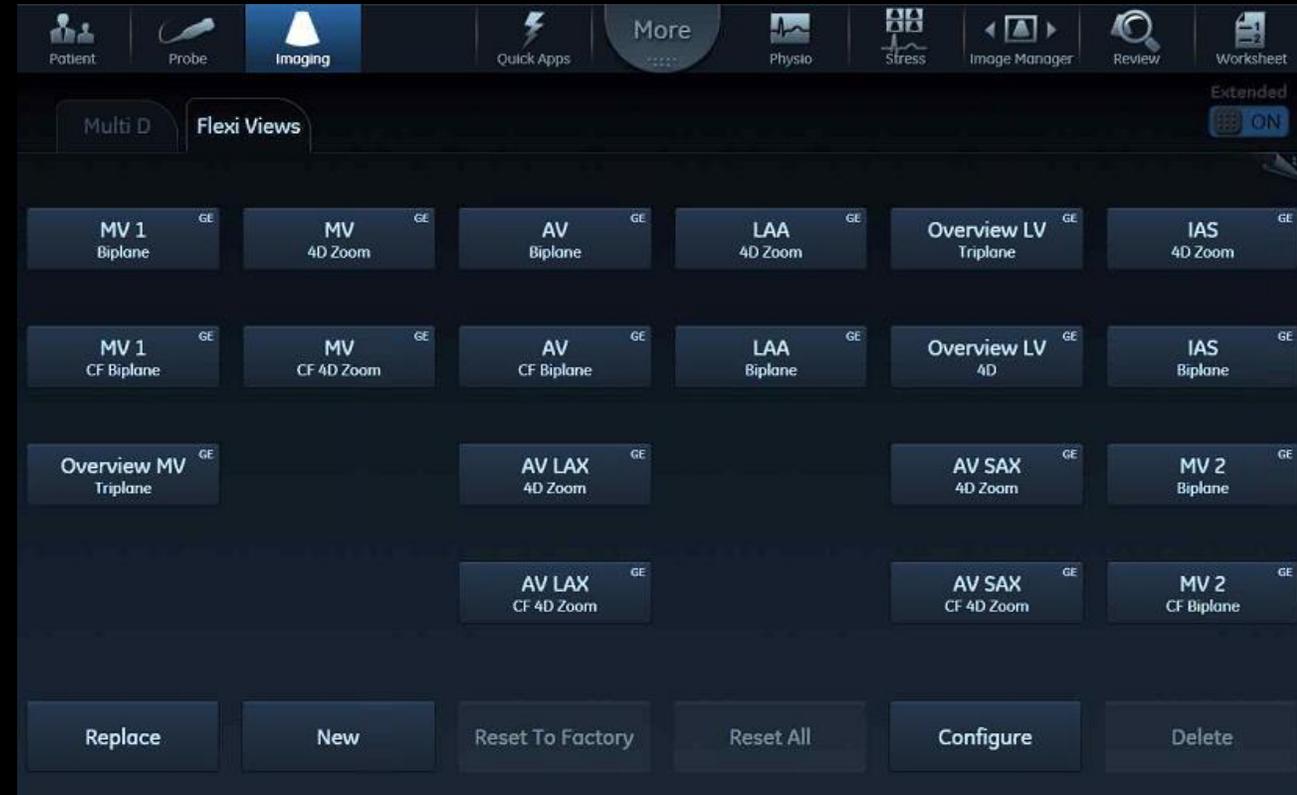
**Vivid S70N**  
Ultra Edition

With a distance gauge and two viewing layouts, this interactive tool for obtaining 2D or render views in live or replay mode may provide enhanced insight as well as save time.



# FlexiViews

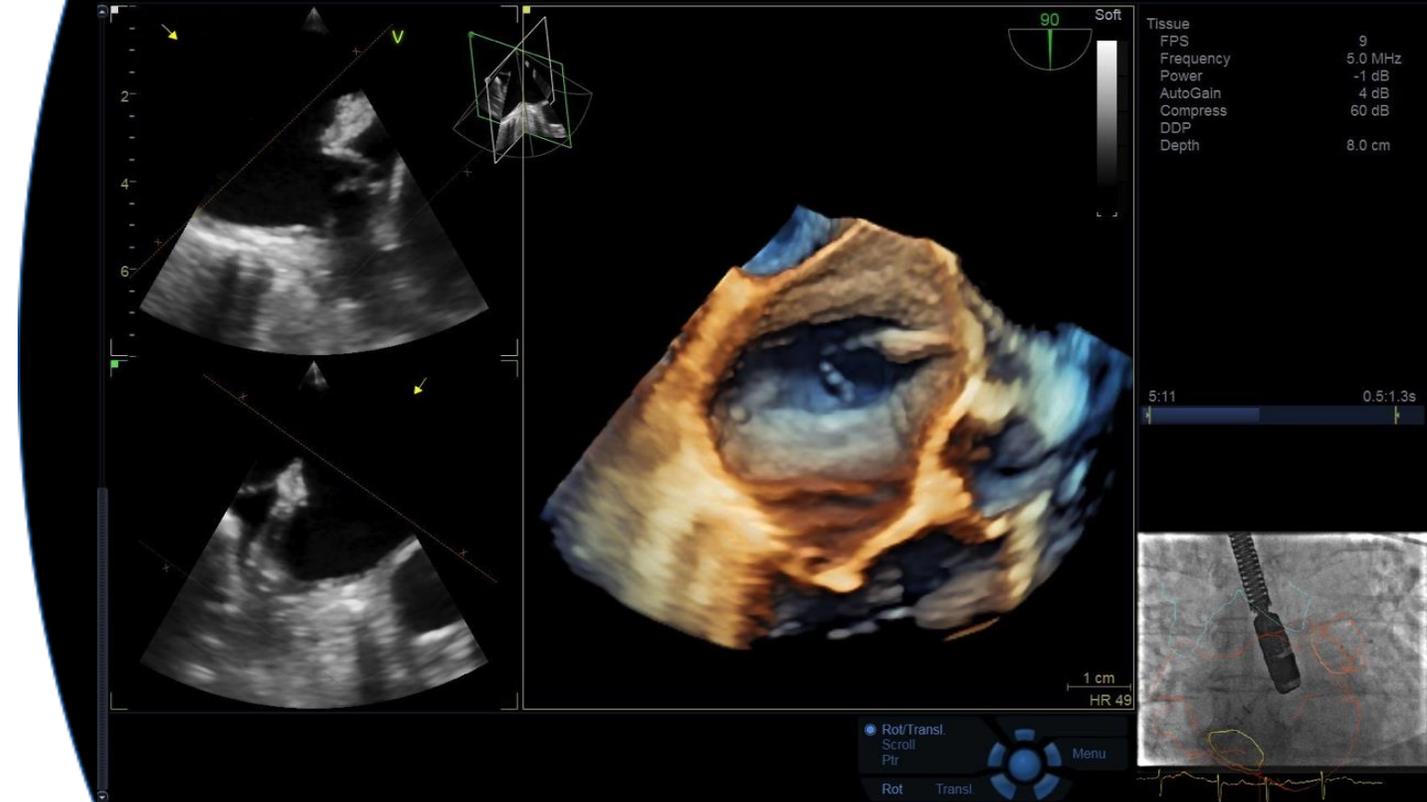
Gain quick access to predefined 4D/multiplane views during live mode, potentially reducing scan time during complex interventional procedures.



# View-X

**Vivid S70N**  
Ultra Edition

See X-ray from fluoroscopy in real time right on your Vivid S70N Ultra Edition screen as a picture in picture, facilitating communication between team members.





**VIVID HEART**  
APPLICATIONS

# FLOW QUANTIFICATION

*Your time is precious. Save it.*

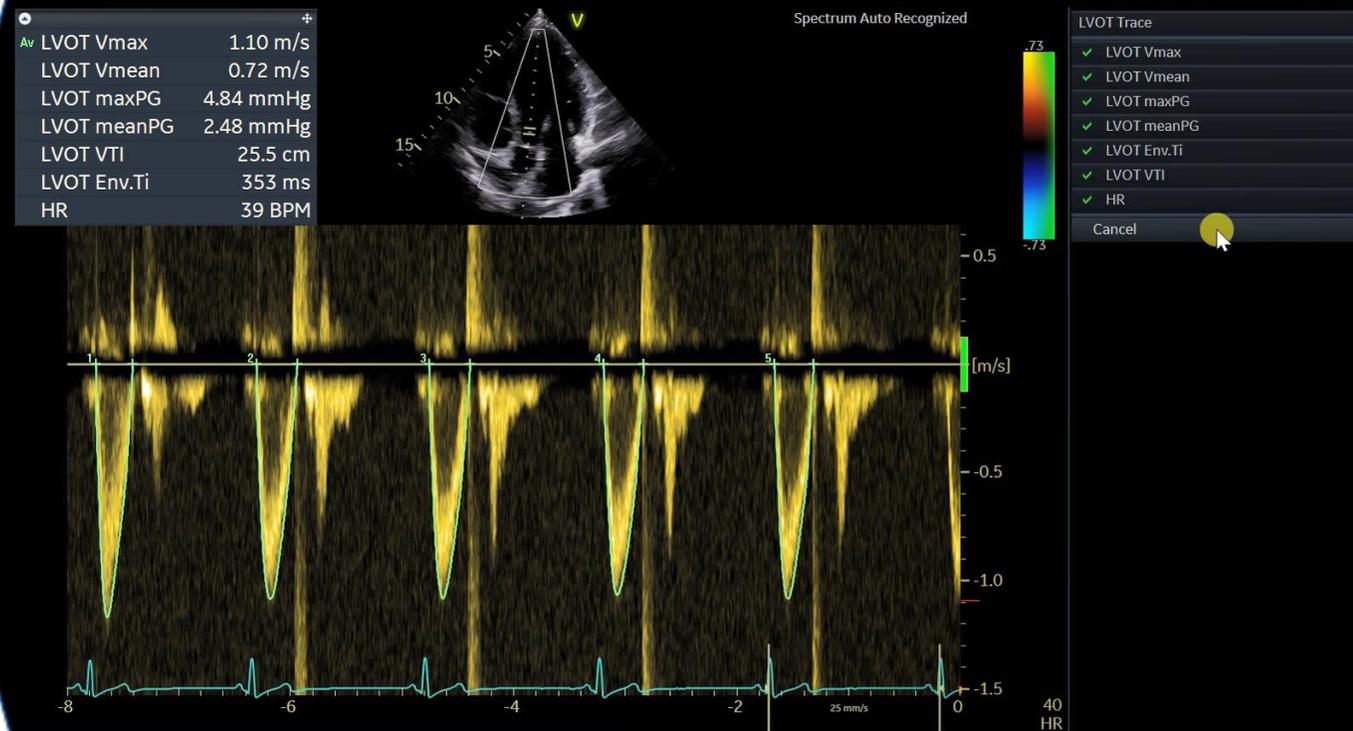
# AI Auto Measure Spectrum Recognition

Vivid S70N  
Ultra Edition

Semi-automatic selection of appropriate spectral Doppler measurement tool.

## Benefits:

- Enables fewer manual interactions by automatically opening the appropriate measurement tool<sup>1</sup>
- Works seamlessly with Cardiac Auto Doppler
- Enhances reproducibility of follow-up studies when used in automated mode<sup>1</sup>
- Supports less experienced users with advanced automation



# AI Cardiac Auto Doppler

## Semi-automatic Cardiac Doppler measurements.

### Benefits:

- Enhances reproducibility of follow-up studies when used in automated mode<sup>1</sup>
- Offers Doppler measurement in multiple cardiac cycles as recommended by guidelines for irregular heart rhythms<sup>2,3</sup>
- Supports less experienced users with advanced automation

#### REDUCED TIME PER MEASUREMENT

UPTO  
**93%**

Fewer Keystrokes<sup>1</sup>

#### LOWER INTER OPERATOR VARIABILITY

REDUCE  
VARIABILITY

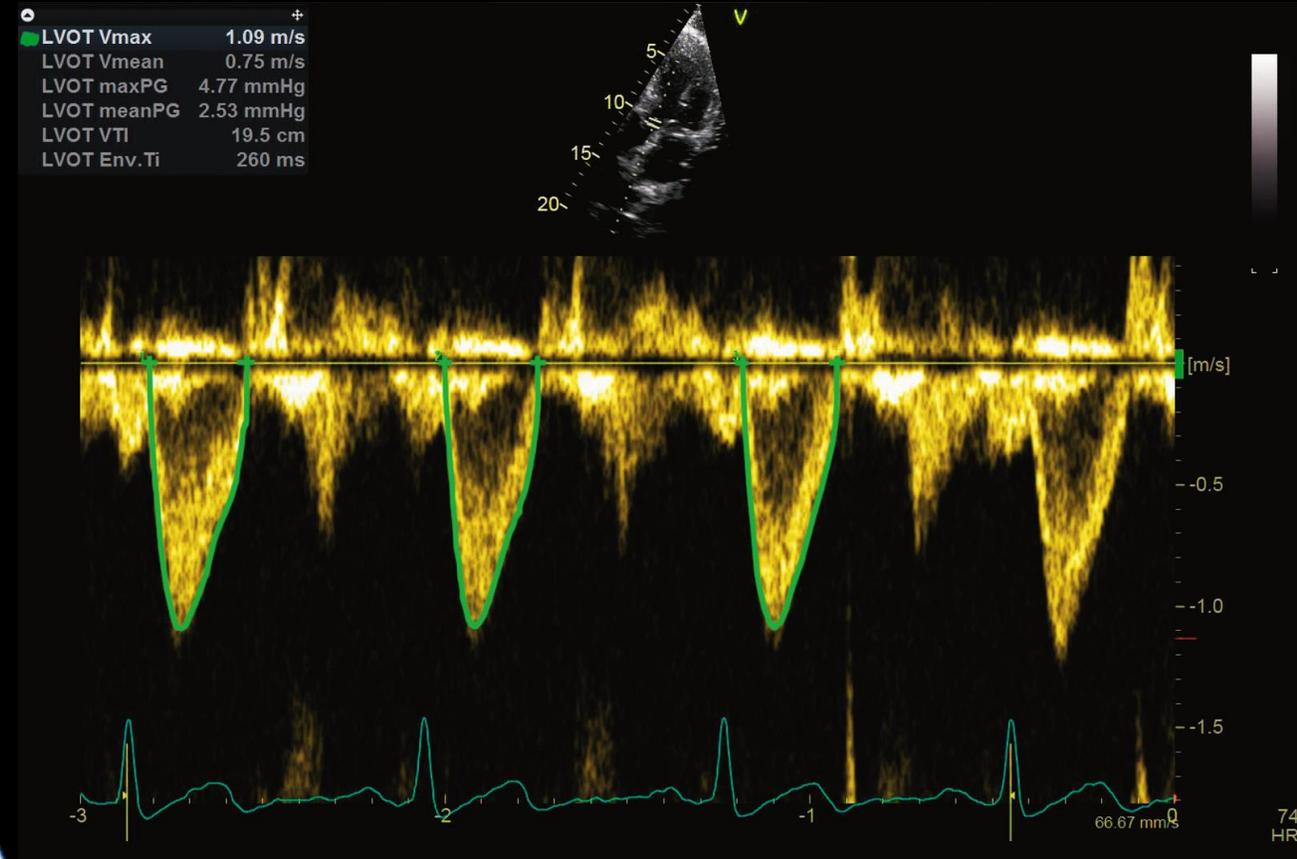
~3x

Standardized exams with greater reproducibility<sup>1</sup>

#### ACCELERATED WORKFLOW



Productivity improvement



1. Based on results of time and motion study conducted by GE "JB49055XX - Cardiac Auto Doppler"; study results indicated time savings related productivity increase up to ~8 on an annual basis for a facility per sonographer  
 2. European Association of Echocardiography recommendations for standardization of performance, digital storage and reporting of echocardiographic studies (Eur Journal of Echo 2008 – Evangelista, Badano, Monaghan, Zamorano, Lancellotti).  
 3. Recommendations for Quantification of Doppler Echocardiography: A Report From the Doppler Quantification Task Force of the Nomenclature and Standards Committee of the American Society of Echocardiography (JASE 2002)



**VIVID HEART**  
APPLICATIONS

# VALVES AND CHAMBERS QUANTIFICATION

*Precision at the heart  
of quantification.*

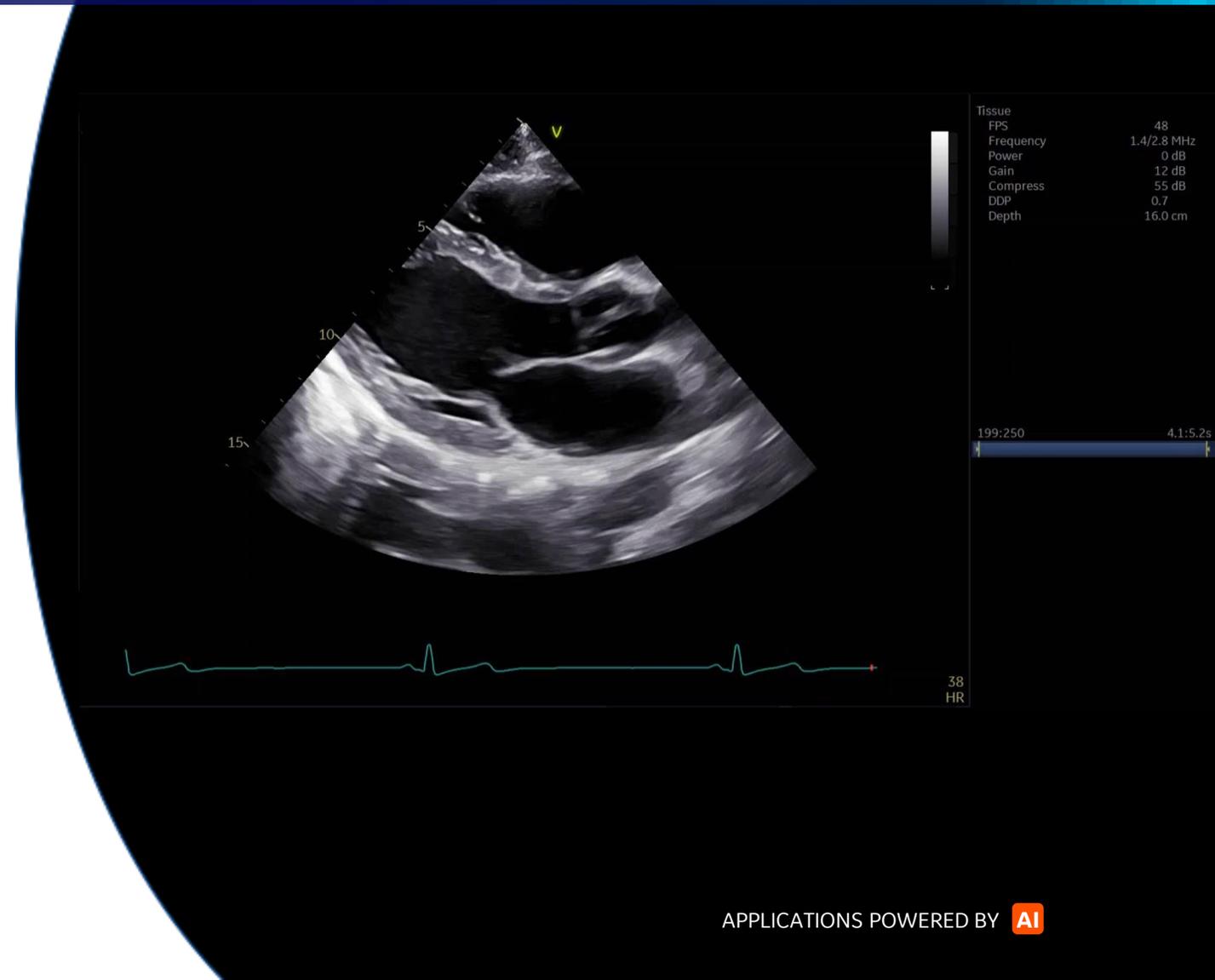
# AI Auto Measure 2D

Vivid S70N  
Ultra Edition

Semi-automated LV dimension measurements (2D calipers) in the parasternal long axis view, reducing manual interactions.

## Benefits:

- Achieves fast measurements of left ventricle dimensions:
  - Up to 80% less clicks <sup>1</sup>
  - No need to scroll to look for ED and ES frames
  - Reduce manual workflow during analysis of cardiac images
- Improves reliability and repeatability of measurements – potentially increasing reproducibility for follow-up studies



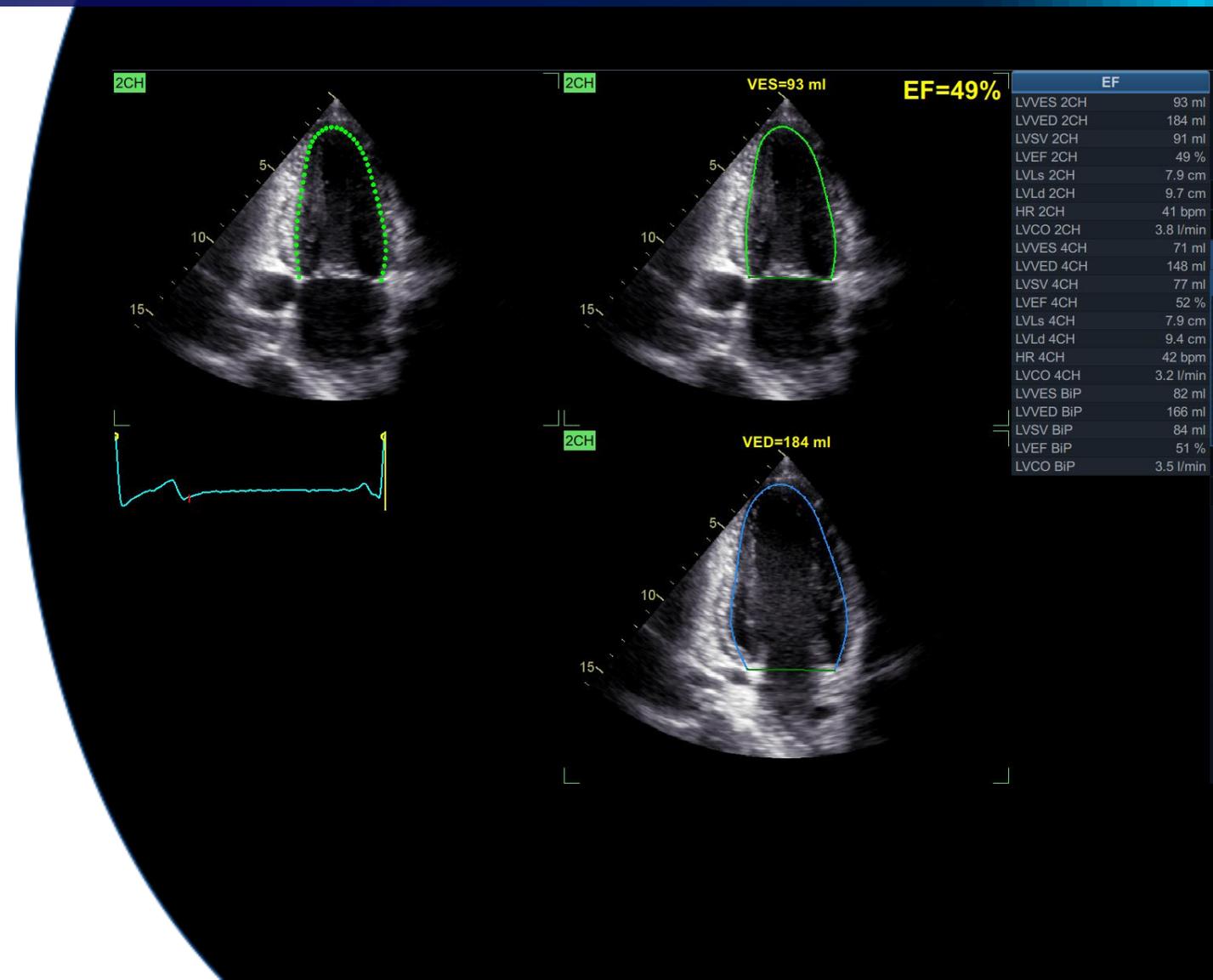
# AI Auto EF

**Vivid S70N**  
Ultra Edition

Powered by AI-based View Recognition, Auto EF provides semi-automated quantification of left ventricular volumes and ejection fraction. <sup>1</sup>

## Benefits:

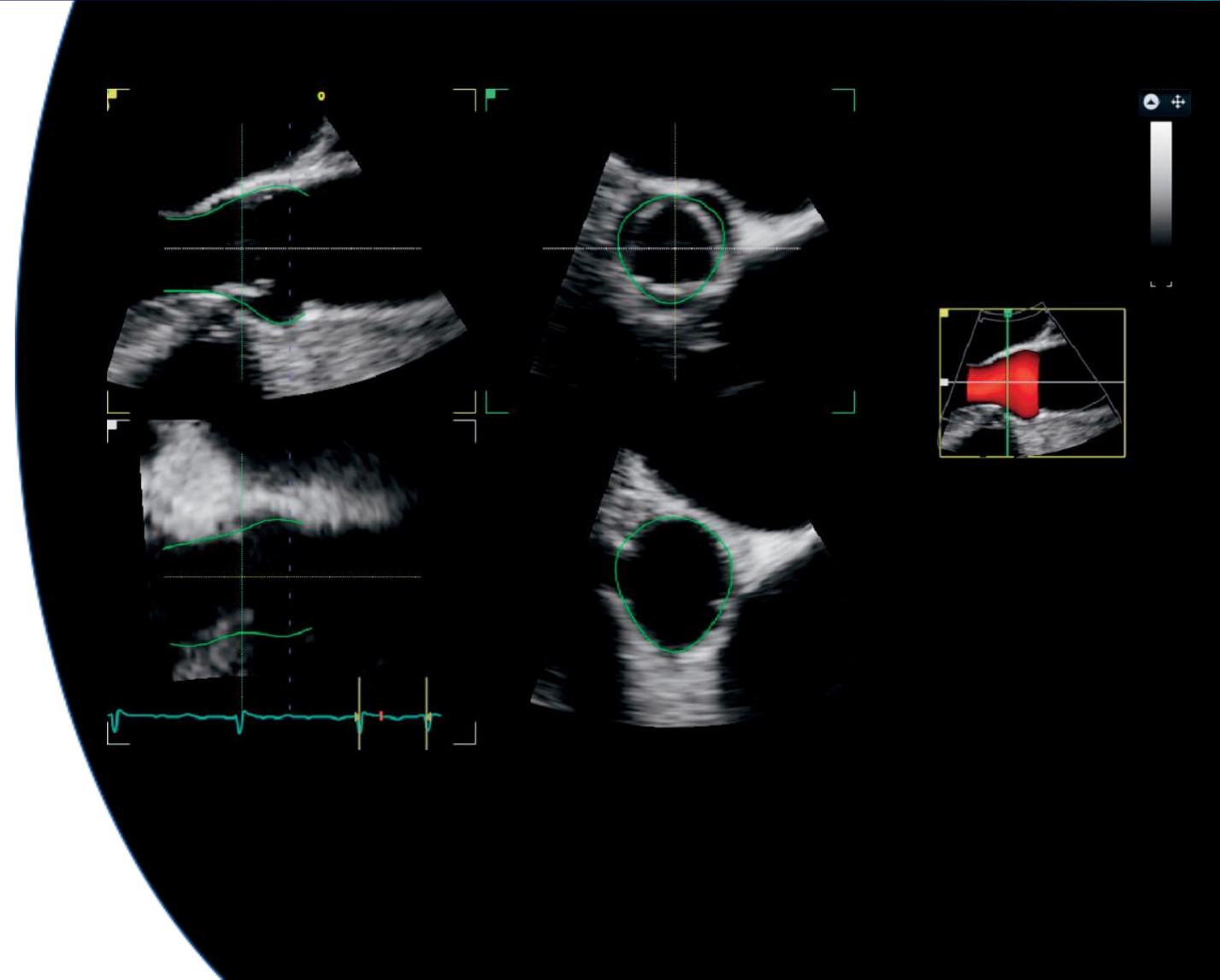
- Achieves fast measurements of ejection fraction
- DICOM support. Assessment of the left ventricle ejection fraction also on data sets acquired on other vendors' systems



1. View Recognition is only applicable to images acquired with TTE probe on GE systems

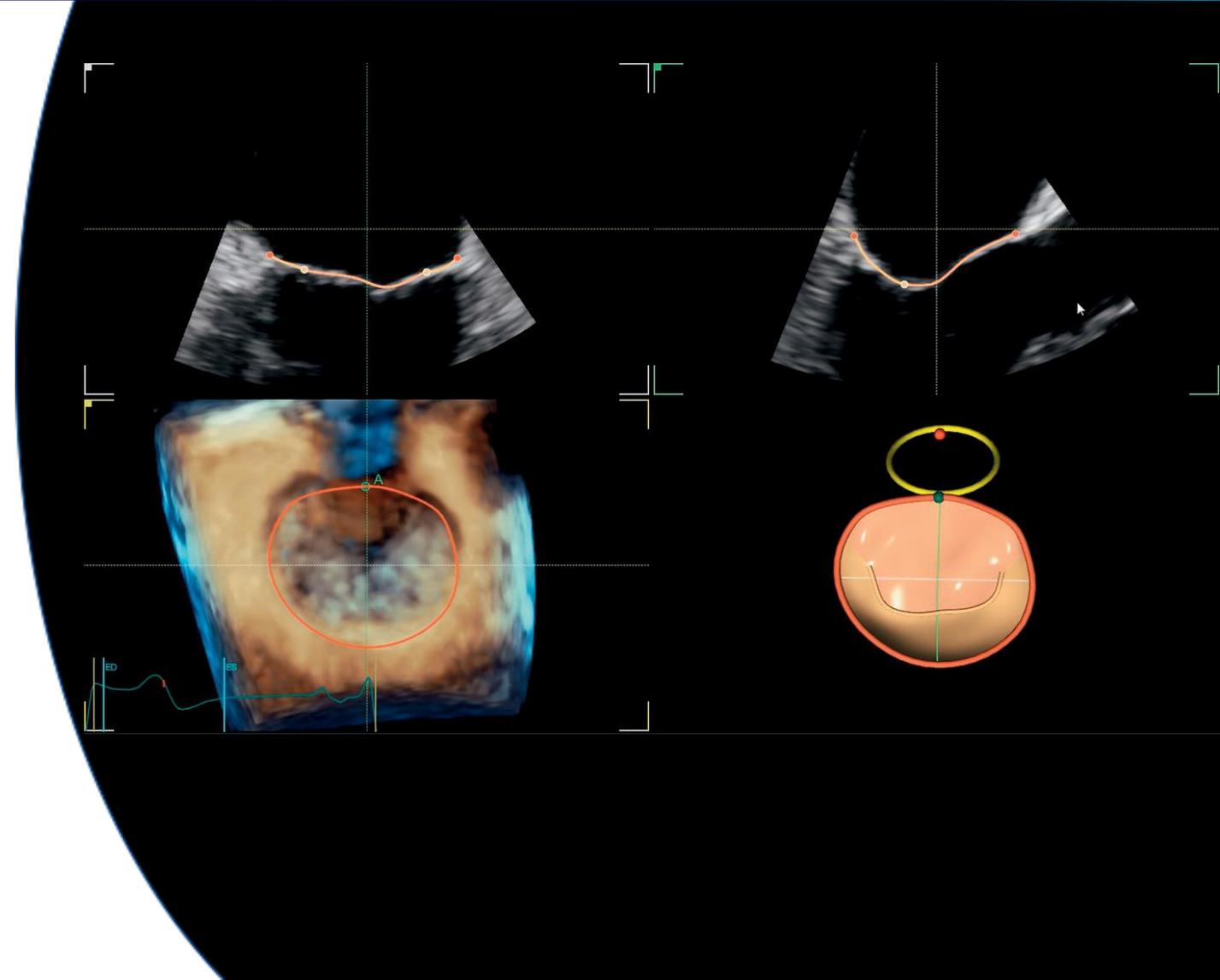
# 4D Auto AVQ

Automatically segment, align and quantify the aortic outflow tract – vital to device sizing and orientation for TAVI/TAVR procedures.



# 4D Auto MVQ

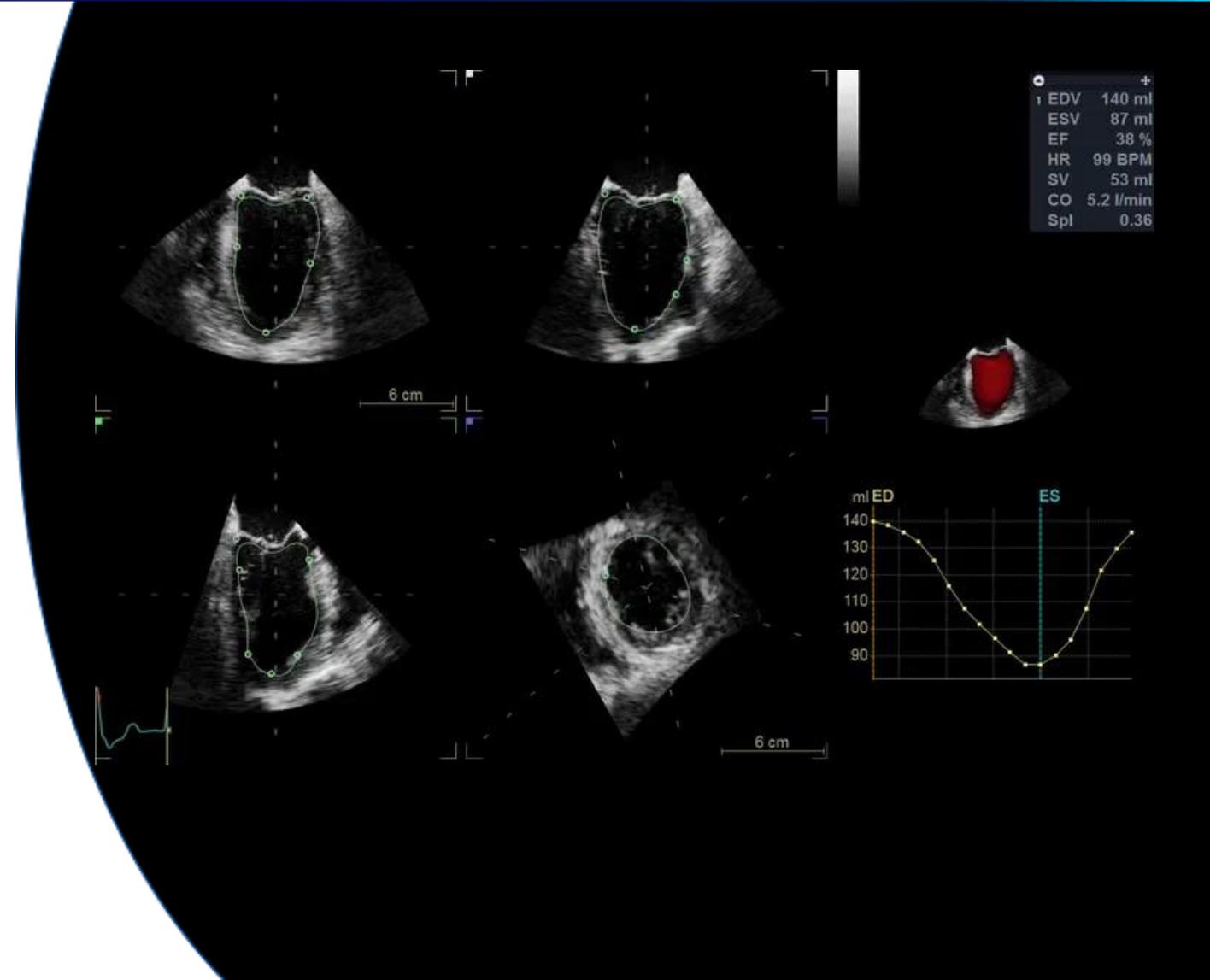
Supporting TEE images, this integrated package helps visualize and quantify the mitral valve via a semi-automatic, surface-detecting algorithm.



# 4D Auto LVQ

**Vivid S70N**  
Ultra Edition

Adapted to work with full volume data sets acquired with the 4D TEE transducer, 4D Auto LVQ for TEE brings you a fast and easy automated method for left ventricle quantification, including volumes and ejection fraction.





**VIVID HEART**  
APPLICATIONS

# **AFI FUNCTIONAL IMAGING**

*From diagnosis to prognosis.*

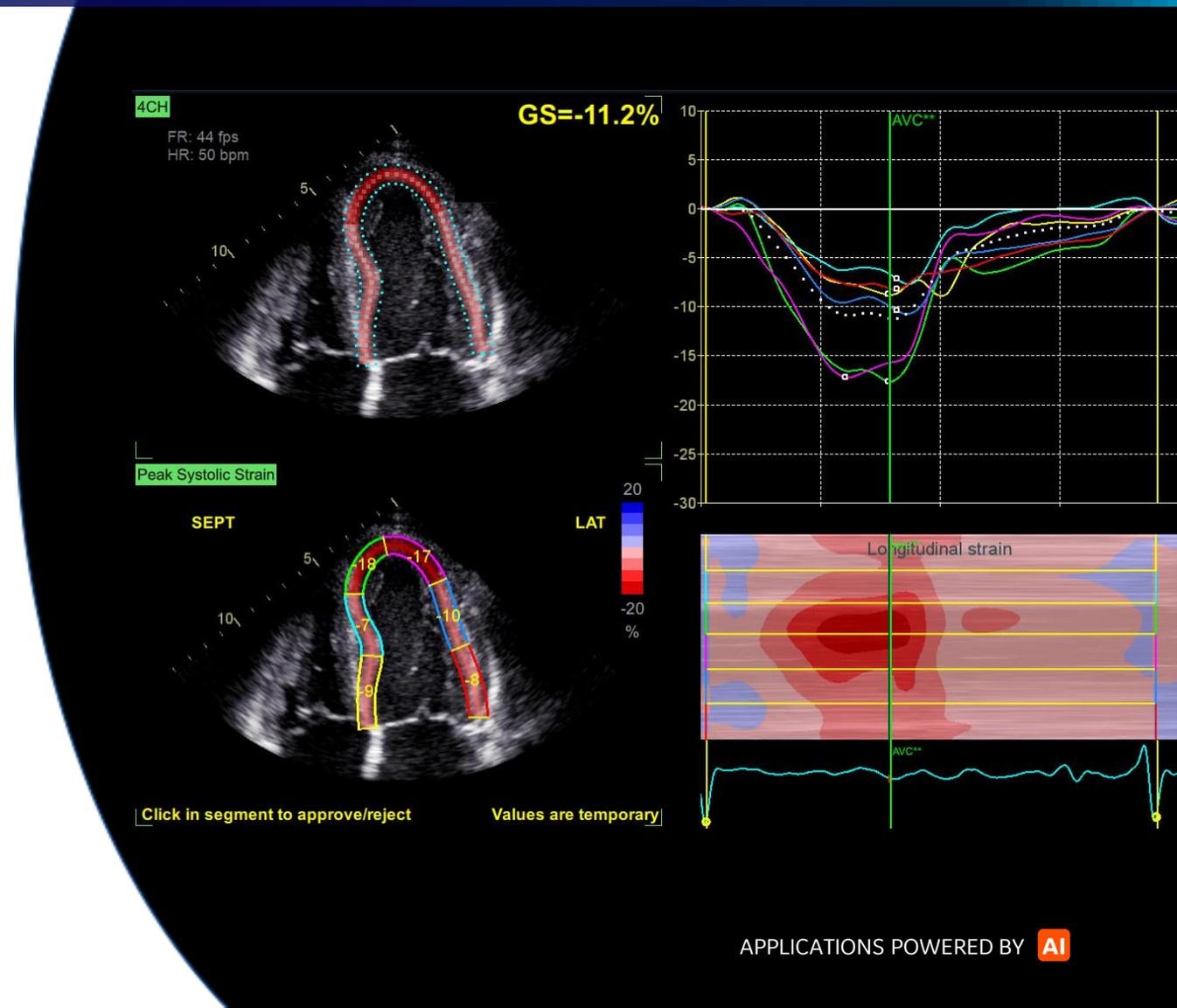
# AI AFI LV with AI View Recognition\*

**Vivid S70N**  
Ultra Edition

Powered by AI-based View Recognition, AFI LV provides semi-automated quantification of left ventricular global and segmental strain.

## Benefits:

- Offers advanced industry pioneered speckle tracking algorithm for quantifying myocardial deformation
- Works seamlessly - integrated ejection fraction calculation
- Supports Adult and Pediatric TTE and Adult TEE images
- Provides time savings via automatic selection of the appropriate 4-chamber, 2-chamber and APLAX images for analysis
- DICOM support. Assessment of the left ventricle ejection fraction also on data sets acquired on other vendors' systems



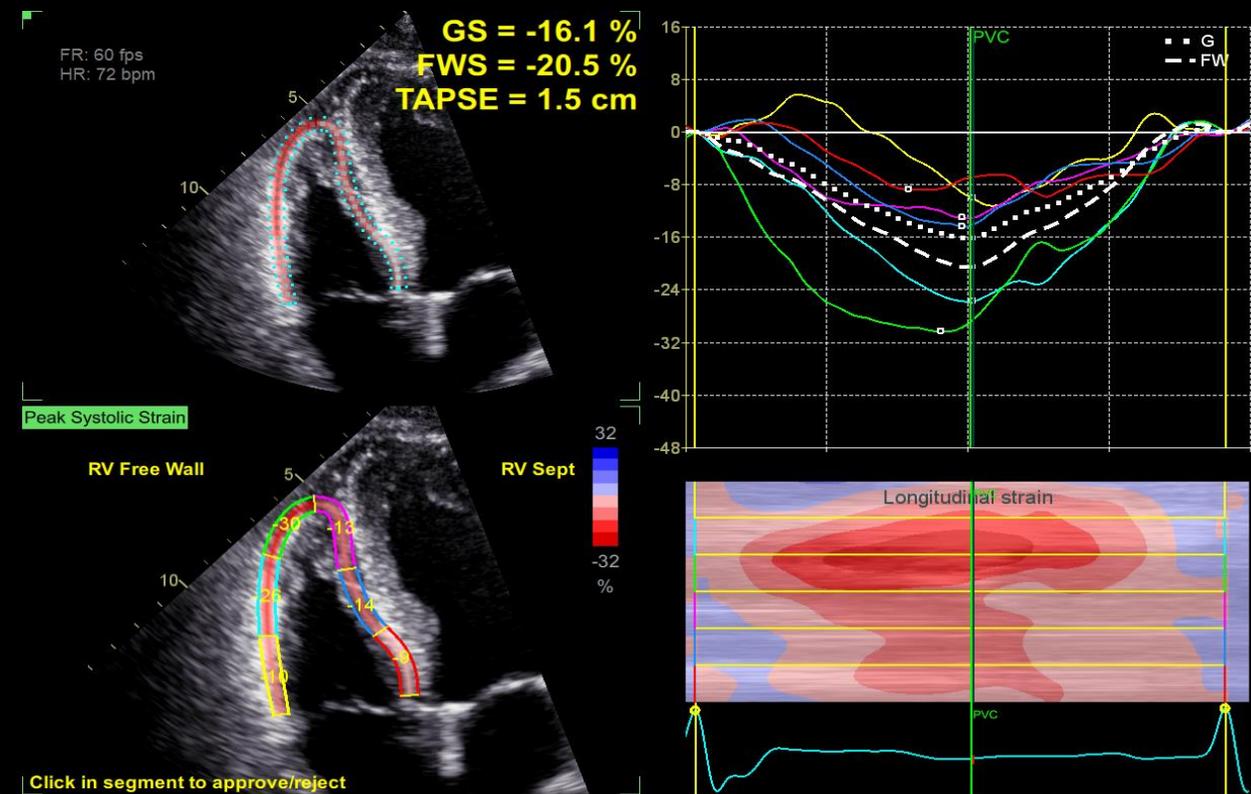
\*View Recognition is only applicable to images acquired with TTE probe on GE systems

APPLICATIONS POWERED BY **AI**

AFI RV is a novel tool to assess the right ventricular function by advanced speckle tracking echocardiography.

### Benefits:

- Offers renowned Vivid AFI user interface and workflow to allow current and new users easy adoption
- Supports right ventricle free wall strain, global strain and Tricuspid Annular Plane Systolic Excursion (TAPSE)
- Follows the 2018 EACVI-ASE Strain Standardized Task Force guidelines <sup>1</sup>
- Supports right ventricle images also from previous releases

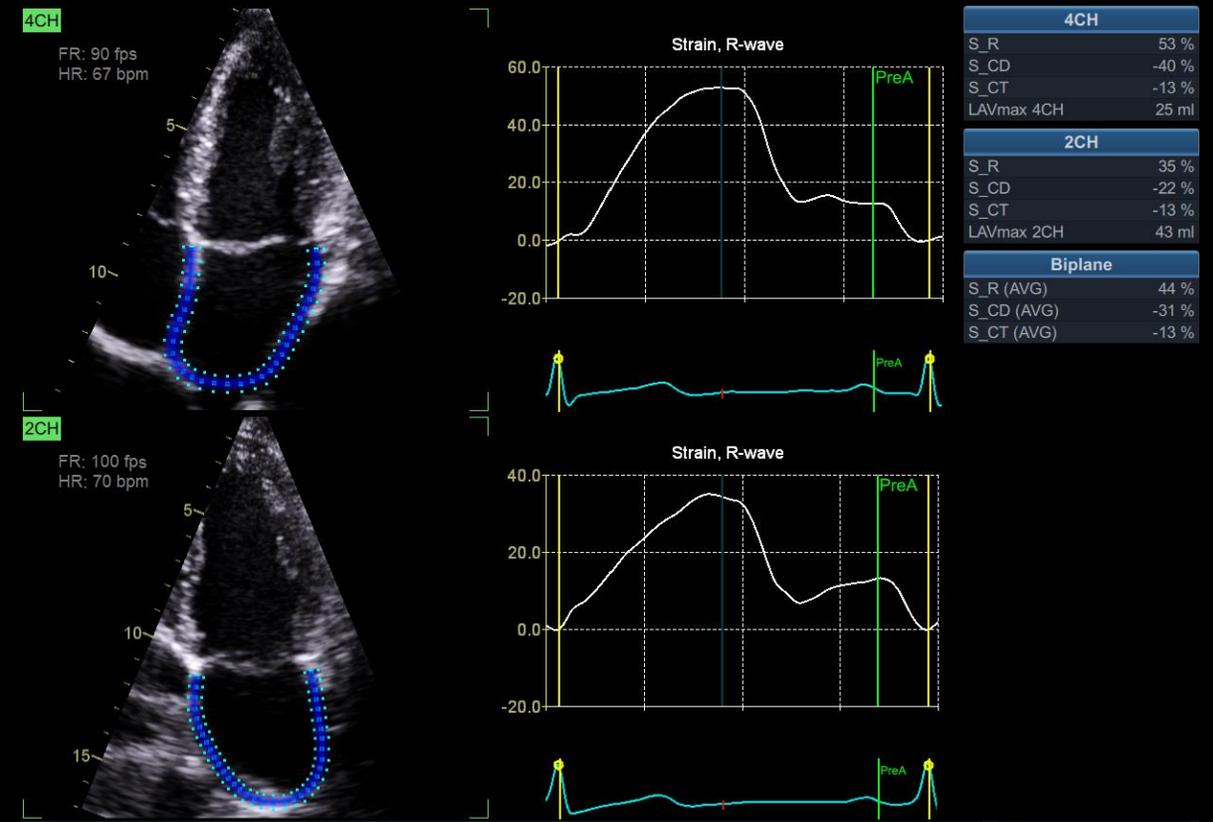


1. Standardization of left atrial, right ventricular, and right atrial deformation imaging using two-dimensional speckle tracking echocardiography: a consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. Badano et al. European Heart Journal - Cardiovascular Imaging (2018) 0, 1–10 doi:10.1093/ehjci/jej042

AFI LA Strain is a novel method to assess the left atrial function allowing global strain to be measured using speckle tracking echocardiography.

### Benefits:

- Offers Vivid renown AFI user interface and workflow allowing users to easily adopt
- Supports left atrium strain, volumes and emptying fraction measurements
- Follows the 2018 EACVI-ASE Strain Standardized Task Force guidelines <sup>1</sup>
- Supports left atrium images also from previous releases



1. Standardization of left atrial, right ventricular, and right atrial deformation imaging using two-dimensional speckle tracking echocardiography: a consensus document of the EACVI/ASE/Industry Task Force to standardize deformation imaging. Badano et al. European Heart Journal - Cardiovascular Imaging (2018) 0, 1–10 doi:10.1093/ehjci/jej042



# SEAMLESS WORKFLOW INTEGRATION

## POST PROCESSING & REVIEW

### EchoPAC Software Only and EchoPAC Plug-in:

- Analyze and review data from GE Healthcare Vivid family of scanners, as well as DICOM images from other ultrasound systems.
- Access all Vivid measurement and review tools utilizing GE Healthcare Raw Data or industry standard DICOM data

## OPEN STANDARDS

- DICOM Image transfer with optional GE Healthcare Raw Data transfers images easily in your existing workflow
- DICOM SR Measurement Transfer including standard and custom measurement allows seamless integration with GE Healthcare and other industry reporting systems and EMRs <sup>3</sup>

## INTEGRATION WITH YOUR WORKFLOW

EchoPAC Plug-in is available for:

- GE Healthcare Centricity™ Cardio Enterprise with Intelligent Reporting (IR).
- GE Healthcare ViewPoint™ 6 with EchoPAC Suite <sup>2</sup>
- As a plug-in to third party PACS

With Centricity Cardio Enterprise IR, routine adult echo reports are

**83%** complete before the physician opens the exam to review. <sup>1</sup>

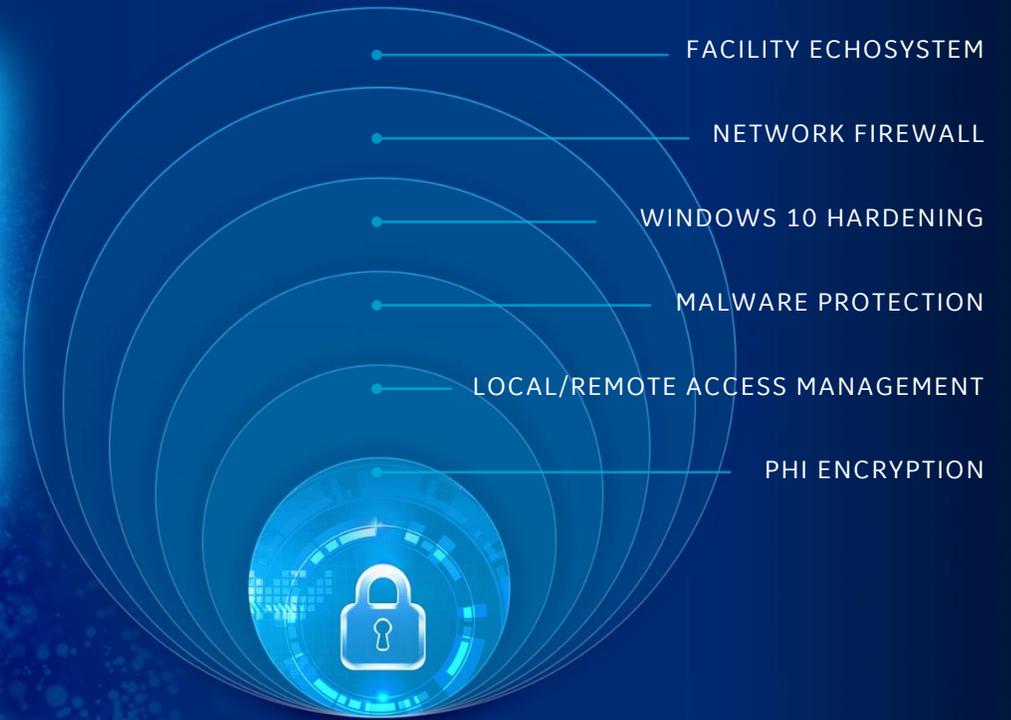
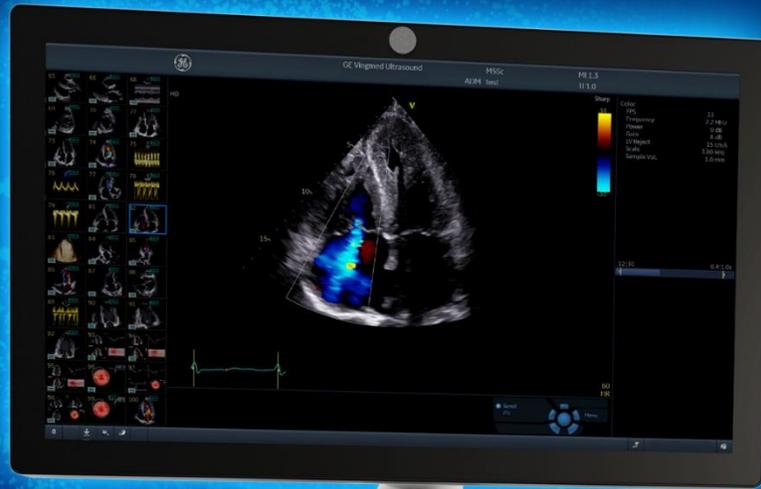
1. Centricity Cardio Workflow v7 Intelligent Reporting out-of-the-box configuration compared to 2017 IAC guidelines excluding doppler. CCW Intelligent Reporting Outcome - JB74831XX

2. EchoPAC Suite is a marketing name for EchoPAC Plug-in

3. With the DICOM SR support, Measures & Analysis (M&A) for an exam can be sent at the end of the exam or when exported from local archive. The destination can be either a server on the network (Storage SCP) or a removable media (DICOM Media) depending on the DICOM dataflow selected. Custom measurements supported only for Adult Echo (TID5200) and Pediatric Heart (TID5220).

# SonoDefense

ADVANCED CYBERSECURITY  
AND DATA PRIVACY PROTECTION



**Protecting against these threats and safeguarding your patients and your institution requires more than anti-virus protection. SonoDefense is GE Healthcare's multi-layer strategic approach to cybersecurity and patient data privacy for ultrasound.**

## **SonoDefense is designed to:**

- Keep the ultrasound machine safe and functional in the face of cyberthreats
- Protect patient data on the machine from unauthorized access
- Enable you to successfully implement patient data and security policies, while still managing product daily workflows

# [ POP ]

PERFORMANCE  
OPTIMIZATION  
PARTNERSHIPS

I need **education and training support** to achieve clinical and operational excellence



I want to maximize device **performance and utilization to achieve more** with my assets

I don't want to deal with **unplanned downtime** and maximize **device availability**



## WHERE DO YOU NEED HELP ?



I want a shared risk partnership to **optimize maintenance costs** based on mutual expertise

I want to protect against **cyber vulnerability** and ensure that **my device is up to date**



I need a holistic ecosystem of solutions for **probe fleet management**

[ POP ]

PERFORMANCE  
OPTIMIZATION  
PARTNERSHIPS



## STAFF EXCELLENCE

A comprehensive portfolio of training for clinical and technical users.  
**Helping you and your team build customized development plans to foster excellence and increased confidence.**



### EDUCATIONAL PROGRAMS

Tailored training content for all users' needs

### VIVID CLUB

Exclusive community for clinical and technical users

### DIGITAL EXPERT<sup>1</sup>

Hands-on learning, personalized experience

### STAR SUPPORT APPLICATION

Application support powered by augmented reality



1. Digital Expert is only offered in the USA

[ POP ]

PERFORMANCE  
OPTIMIZATION  
PARTNERSHIPS



## PROACTIVE MANAGEMENT

Use digital technology and tools to minimize expensive and disruptive unplanned downtime.

**Proactive monitoring to reduce cost and revenue loss from unplanned failures and automated updates for peace of mind.**



**PROACTIVE  
MAINTENANCE**

Know the failure before it occurs

**REMOTE SERVICES &  
REAL-TIME SUPPORT**

On demand support to minimize  
disruptions

**AUTOMATED,  
REMOTE SW UPDATE**

Proactive OS and performance  
enhancements updates



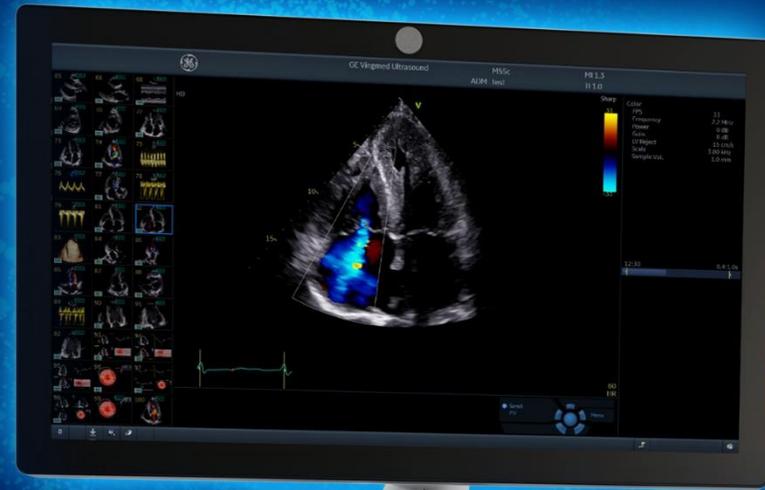
[ POP ]

PERFORMANCE  
OPTIMIZATION  
PARTNERSHIPS

## DEVICE PROTECTION

Keep your device state-of-the-art with software upgrades, new applications and security patches

**Optimizing your device to drive clinical and operational benefits and help you stay ahead of the game, without changing your equipment.**



### OPTIONS & UPGRADES OFFERS

Technological obsolescence  
protection program

### SONODEFENSE

Advanced cybersecurity  
and data privacy protection

### CONTINUITY SUPPORT PLUS

Proactive updates to keep your  
devices current and secure



[ POP ]

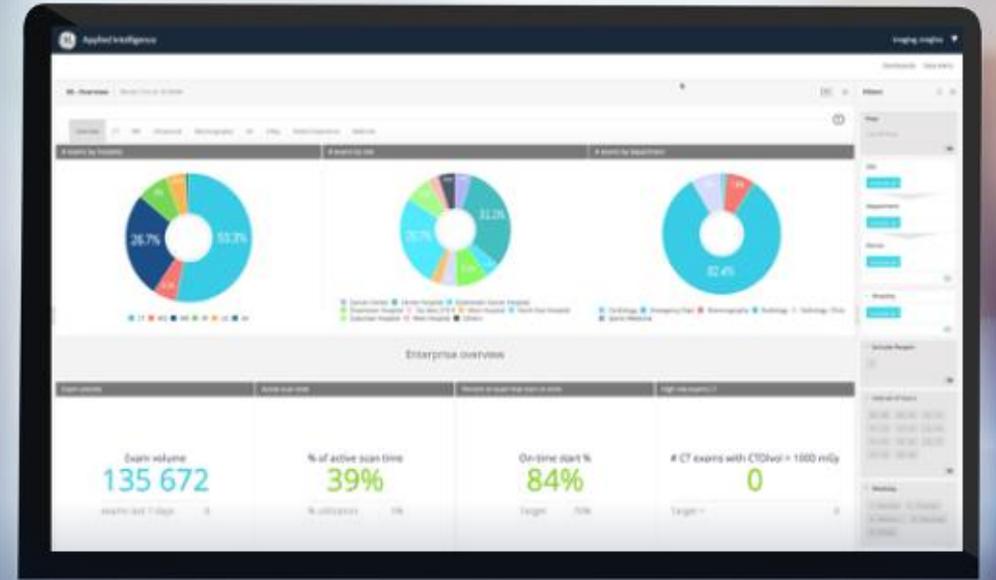
PERFORMANCE  
OPTIMIZATION  
PARTNERSHIPS



# ASSET OPTIMIZATION

Customizable dashboards for asset utilization and consulting services to provide actionable insights.

**Achieving more with your assets to improve patient care and realize department strategic plans.**



## ULTRASOUND EXCELLENCE

Cloud-based solution for powerful, intuitive dashboards to deliver key outcomes

## iCENTER

On-site solution for powerful, intuitive dashboards to deliver key outcomes



# [ POP ]

PERFORMANCE  
OPTIMIZATION  
PARTNERSHIPS

## IMPROVED UPTIME

Best-in-class repair services to drive uptime.  
Fully scalable from full coverage to shared maintenance.

**Thoroughly aligned with your own in-house capabilities, providing the right balance between staff autonomy and our expertise.**



### MAINTENANCE CONTRACT

Smart Diagnostics by trained engineers - GE or inhouse



### eCOMMERCE (SERVICE SHOP)

A complete platform for all your biomedical needs

### iCENTER / UPDATEME

On-site solution for powerful, intuitive dashboards to deliver key outcomes

### REPAIRS CENTERS & LOANERS

A global network for depots to meet multivendor repair needs

[ POP ]

PERFORMANCE  
OPTIMIZATION  
PARTNERSHIPS



## PROBE PERFORMANCE

Customizable portfolio of solutions for probe lifecycle needs to improve availability and performance.

**Proactive probe care to help you increase diagnostic quality, decrease cross-contamination risk and expand the life span of the transducers**



### PROBE CARE APPLICATION

Access to education and probe evaluation at your fingertips



### PROBE CARE TRAINING

Comprehensive content for probe care and handling

### REPAIRS CENTERS & LOANERS

A global network for depots to meet multivendor repair needs

### DESINFECTION SOLUTIONS

A complete solution to help you stay compliant with high standard of probe care



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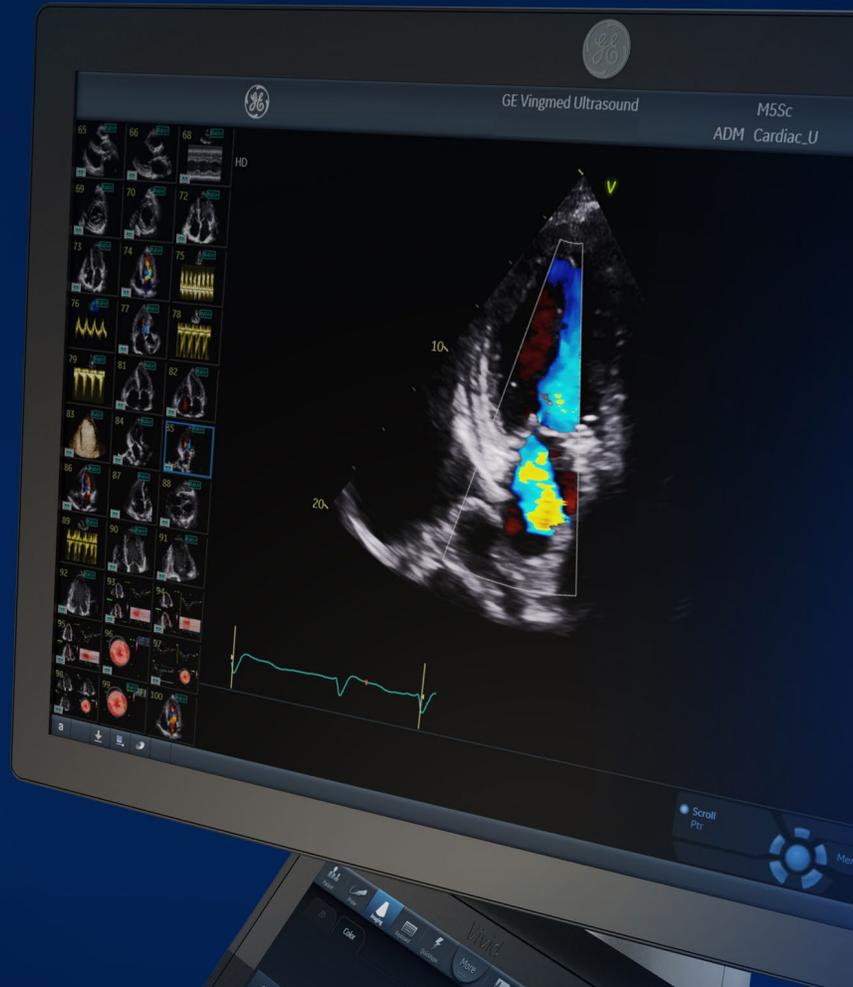
JB80428XX



# Vivid™ S70N Ultra Edition

## Cardiovascular Ultrasound Probe guide

Vivid S70N Ultra Edition offers a broad range of probes to help achieve extraordinary images for cardiac, vascular, abdominal, pediatric, neonatal head, fetal heart, obstetric, gynecologic, urological, adult transcranial and small parts applications.



# vivid

[gehealthcare.com/vivid](http://gehealthcare.com/vivid)



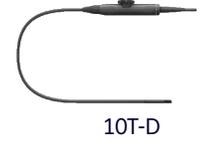
	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
<b>Sector</b>							
 M5Sc-D	Cardiac, Pediatric, Abdominal, Fetal Heart, Adult Transcranial, Coronary, Stress, LVO Stress <sup>†</sup> , LVO Contrast <sup>†</sup> , OB/GYN, Vascular	XDclear™ Active Matrix Single Crystal Phased Array Transducer	18 x 27 mm	Multi-angle disposable with a reusable bracket	1.5 - 4.6 MHz	120°	36 cm
 6S-D	Pediatric, Cardiac, Coronary, Neonatal Head, Abdominal, Fetal Heart	Phased Array Transducer	17 x 24 mm		2.4 - 8.0 MHz	115°	16 cm
 12S-D	Pediatric, Cardiac, Coronary, Neonatal Head, Abdomen, Vascular	Phased Array Transducer	13 x 18 mm		3.0 - 12.0 MHz	105°	12 cm
<b>Linear</b>							
 9L-D	Peripheral Vascular, Abdomen, Contrast <sup>†</sup> (optional), Musculoskeletal, Thyroid, Small Parts, Nerves, Pediatrics	Linear Array Transducer	14 x 53 mm	Multi-angle disposable with a reusable bracket	2.4 - 10.0 MHz	45 mm	16 cm
 11L-D	Peripheral Vascular, Small Parts, Breast, Thyroid, Musculoskeletal, Nerves	Linear Array Transducer	13 x 47 mm	Multi-angle disposable with a reusable bracket	4.0 - 12.0 MHz	39 mm	8 cm
 ML6-15-D	Peripheral Vascular, Small Parts, Breast, Thyroid, Musculoskeletal	Matrix Linear Array Transducer	16 x 61 mm	Multi-angle disposable with a reusable bracket	4.5 - 15.0 MHz	50 mm	8 cm
<b>Intraoperative</b>							
 L8-18i-D	Musculoskeletal, Vascular, Small Parts	Intraoperative Linear Array Transducer	11 x 35 mm		5.0 - 18.0 MHz	25 mm	10 cm

<sup>†</sup> GE Healthcare's Vivid Ultra Edition S70N is designed for compatibility with commercially available contrast agents. Because the availability of these agents is subject to government regulation and approval, product features intended for use with these agents may not be commercially marketed nor made available before the contrast agent is approved for use. Advanced contrast features are only enabled on systems for delivery in countries or regions where the agents are approved for use or for investigational or research use.



	Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field
<b>Convex</b>							
 C1-5-D	Abdomen, OB/GYN, Urology, Vascular, Fetal Heart, Contrast† (optional)	Curved Array Transducer	17 x 69 mm	Multi-angle disposable with a reusable bracket	1.4 - 6.0 MHz	70°	50 cm
 C1-6-D	Abdomen, Contrast† (optional), OB/GYN, Urology, Vascular, Fetal Heart	XDclear Single Crystal Curved Array Transducer	16 x 70 mm	Multi-angle disposable with a reusable bracket	1.4 - 6.0 MHz	70°	50 cm
 C2-9-D	Abdomen, OB/GYN, Urology, Fetal Heart	XDclear Single Crystal Curved Array Transducer	14 x 51 mm	Multi-angle disposable, with a reusable bracket	2.3 - 8.4 MHz	65°	30 cm
 C3-10-D	Neonatal Head, Vascular, Abdomen, Musculoskeletal, Nerves	XDclear Single Crystal Tightly Curved Array Transducer	12 x 22 mm		3.0 - 10.0 MHz	95°	14 cm
 iC5-9-D	OB/GYN, Urology, Fetal Heart	Tightly Curved Array Transducer	17 x 21 mm	Single-angle disposable bracket	3.3 - 8.6 MHz	128°	30 cm
<b>Doppler</b>							
 P2D	Cardiac	Pencil Transducer	16 mm diameter		2.0 MHz		
 P6D	Vascular	Pencil Transducer	8 mm diameter		6.3 MHz		

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Applications	Description	Footprint	Biopsy Guide	Bandwidth	Field of View	Depth of Field	
<b>Transesophageal</b>							
Cardiac, LVO Contrast,† Coronary	Active Matrix 4D Volume TEE Transducer	Tip 14 x 13 mm  Length 45 mm		3.0 - 8.0 MHz	90°	20 cm	
Cardiac, LVO Contrast,† Coronary	TEE Transducer	Tip 12 x 14 mm  Length 45 mm		3.0 - 8.0 MHz	90°	20 cm	
Pediatric Cardiac	TEE Transducer	Tip 11 x 8 mm  Length 35 mm		3.0 - 10.0 MHz	90°	14 cm	
Cardiac, Pediatric Cardiac	TEE Transducer	Tip 8 x 6 mm  Length 16 mm		3.3 - 10.0 MHz	90°	18 cm	
<b>Intracardiac Echo (ICE)*</b>							
AcuNav® 8F G	Intracardiac	Catheter	8 Fr diameter		4.5 - 11.5 MHz	90°	16 cm
AcuNav 10F G	Intracardiac	Catheter	10 Fr diameter		4.5 - 11.5 MHz	90°	16 cm
SOUNDSTAR® 3D 10F G	Intracardiac	Catheter	10 Fr diameter		4.5 - 11.5 MHz	90°	16 cm
SOUNDSTAR eco 10F G	Intracardiac	Catheter	10 Fr diameter		4.5 - 11.5 MHz	90°	16 cm
SOUNDSTAR eco 8F G	Intracardiac	Catheter	8 Fr diameter		4.5 - 11.5 MHz	90°	16 cm

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\* ICE catheters are not available in all countries. Please contact Biosense Webster directly. ®AcuNav is a registered trademark of Siemens Healthineers.

®SOUNDSTAR is a registered trademark of Biosense Webster, Inc.

## About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world. GE (NYSE: GE) works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

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Ultra Edition is not a product name, it refers to the 2020 release of the Vivid portfolio



### About GE Healthcare

GE Healthcare is a leading global medical technology and digital solutions innovator. GE Healthcare enables clinicians to make faster, more informed decisions through intelligent devices, data analytics, applications and services, supported by its Edison intelligence platform. With over 100 years of healthcare industry experience and around 50,000 employees globally, the company operates at the center of an ecosystem working toward precision health, digitizing healthcare, helping drive productivity and improve outcomes for patients, providers, health systems and researchers around the world.

Follow us on [Facebook](#), [LinkedIn](#), [Twitter](#) and [Insights](#), or visit our website [www.gehealthcare.com](http://www.gehealthcare.com) for more information.

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9. Centricity Cardio Workflow v7 Intelligent Reporting out-of-the-box configuration compared to 2017 IAC guidelines excluding doppler. CCW Intelligent Reporting Outcome - JB74831XX
10. EchoPAC Suite is a marketing name for EchoPAC Plug-in
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12. <https://www.ncbi.nlm.nih.gov/pubmed/27689562>
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14. 5 Tips for Controlling Costs in Hospitals and Biomed Shops, source: t.ly/l9n7
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17. A multicentre survey of the condition of ultrasound probes, Ultrasound. 2016 Nov, Published online 2016 Aug 1. doi: 10.1177/1742271X16662301. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5098704/>
18. GE internal data
19. Digital Expert is only offered in the USA

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JB80430XX



# POWERED BY AI ELEVATED BY YOU

## Vivid™ S70N Ultra Edition



# Vivid

[gehealthcare.com/vivid](http://gehealthcare.com/vivid)

By 2030,

▲ **40.5%**

of the US population is projected to have some form of Cardiovascular Disease (CVD)<sup>1</sup>

▲ **~108m**

annual echo exams performed globally<sup>2</sup>

## WORKLOAD IS HIGH.

### WHILE ENERGY AND DETERMINATION PERSIST.

Demand for cardiovascular ultrasound exams is high and will continue to increase, with a mix of routine, follow-up and complex cases.

Using advanced clinical capabilities traditionally required extra effort and expertise - often resulting in delays and increased workload.

We strive to maximize efficiency with a system that helps you see more, easily achieve accurate measurements and minimize errors.

**10-15%**

of echo exams result in sub-optimal images<sup>3</sup>

▲ **90%**

of sonographers experience symptoms of Work Related Musculoskeletal Disorders (WRMSD)<sup>4</sup>

**\$120+**

**billion yearly**  
direct and indirect costs for employers<sup>4</sup>

# Vivid S70N Ultra Edition



Designed to provide you with uncompromised image quality, advanced visualization capabilities and easy measurements – while helping reduce tedious tasks and inter-observer variability.<sup>5</sup>

## Leverage the cSound imaging platform

We are committed to support the vital work you do with patients every day. Leveraging artificial intelligence powered by GE Healthcare's Edison™ platform, we've taken the extraordinary processing capacity of our breakthrough software beamformer, cSound™, to a whole new level.

Empower your care team with the expanded advantages of artificial intelligence of the Vivid™ S70N Ultra Edition system.



## Achieve clinical excellence

Advanced quantification tools provide you with the ability to evaluate problems and pursue the path forward. Count on a full suite of intuitive tools to make your work easy and efficient. Accomplish reproducible results with advanced capabilities for quantifying heart function and valve anatomy in 2D and 4D.

## Master complex exams

Due to a growing population of difficult to scan patients, XDclear™ probes combined with cSound beamformer technology make a difference in many of your exams, helping you quickly and easily acquire diagnostic images with confidence and without contrast.

## Optimize your practice

Standardized and simplified procedures help increase patient throughput and optimize productivity.

Help maximize efficiency with Automated Functional Imaging (AFI), assessment of the LV strain on all datasets, regardless of the system it was acquired on (i.e. vendor independent). Vivid S70N Ultra Edition also offers vast flexibility enabling superb performance in a range of exams including: stress-echo, vascular, abdominal, OB/GYN and small parts.

22" adjustable monitor

12" LCD touch screen

Adjustable keyboard

Convenient alphanumeric keyboard storage

Convenient cable management

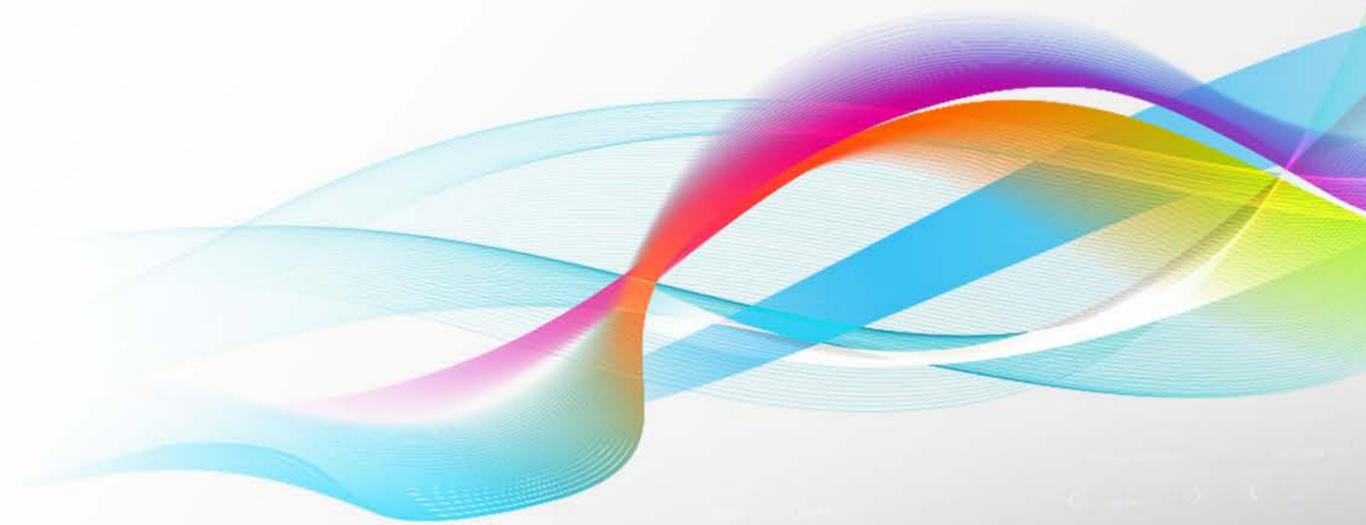
Easy mobility

Low power consumption

Battery powered "standby" function, up and running within few seconds

## MODERN ERGONOMICS

A familiar, yet modern and efficient design.

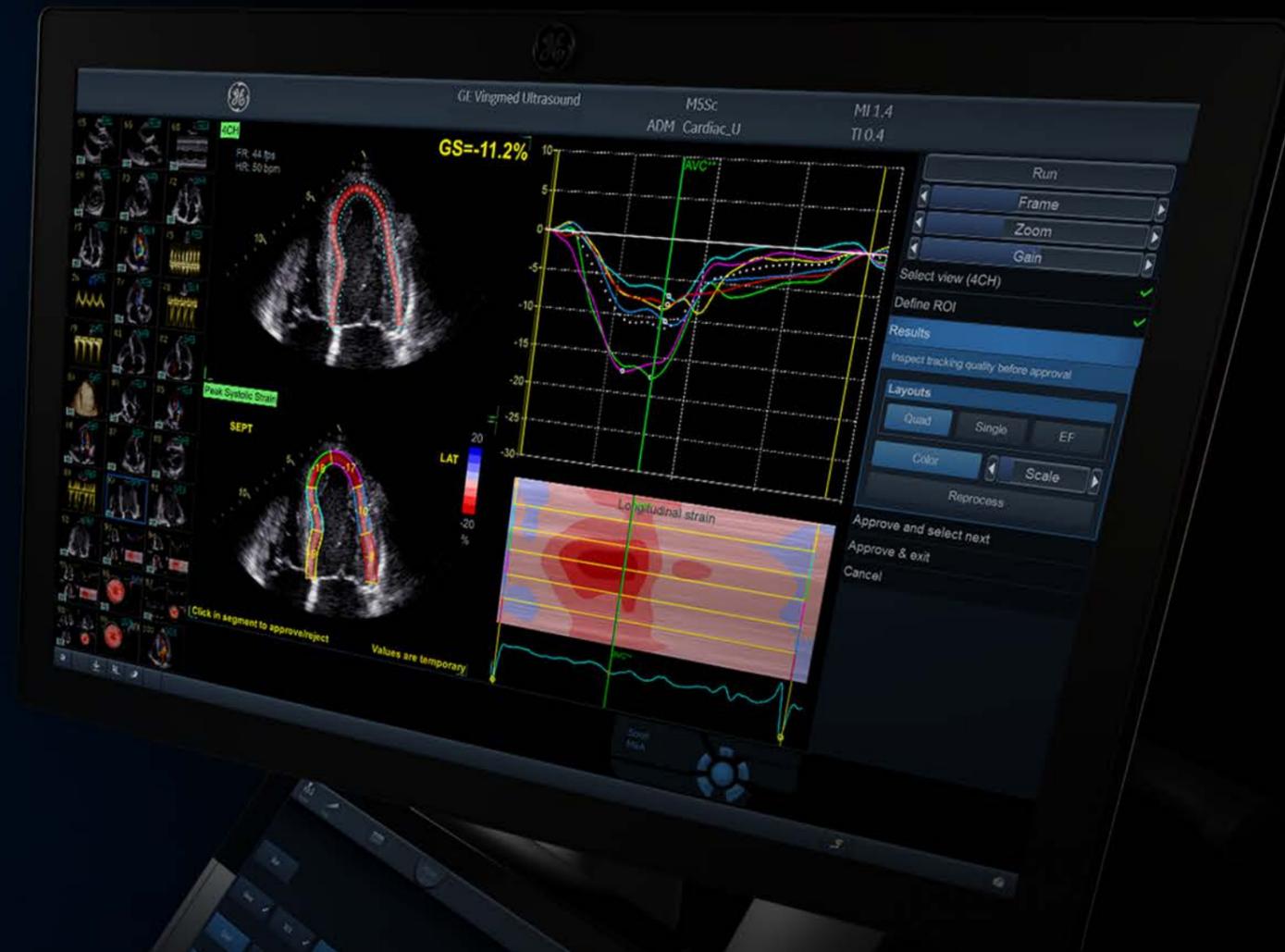


**Your time is precious.  
Save it.**

DETECTABILITY<sup>5</sup>  
 **98%**

**AI AFI LV with AI View Recognition**

Fully automatic recognition of the apical imaging views and measurements of GLS and segmental longitudinal Strain for LV.



# POWERED BY AI

## Improve diagnostic speed and accuracy

Vivid S70N Ultra Edition introduces the latest AI-based technology to help reduce tedious tasks and improve workflow efficiency. Diagnose more confidently and accelerate exams via automated (AI-driven) Cardiac Doppler and 2D LV measurements.

The results are impressive. Exam time is reduced, and operator fatigue minimized with up to 80% less clicks to get 2D measurements, and inter-observer variability diminished.<sup>5</sup>

Discover the many innovations brought by the Vivid Ultra Edition, and more importantly, how these can contribute to make clinical practice - Elevated by You.

- Ultra Fast.
- Ultra Precise.
- Ultra Efficient.

**AI Cardiac Auto Doppler with AI**

**REDUCED TIME  
PER MEASUREMENT**

 **UP TO  
93%**

*Fewer Keystrokes<sup>6</sup>*

**LOWER INTER  
OPERATOR VARIABILITY**

**REDUCE  
VARIABILITY**  


*Standardized exams with  
greater reproducibility<sup>6</sup>*

**ACCELERATED  
WORKFLOW**



*Productivity improvement*

# CLINICAL EXCELLENCE for the Echo Lab

## POWERED BY AI ELEVATED BY YOU

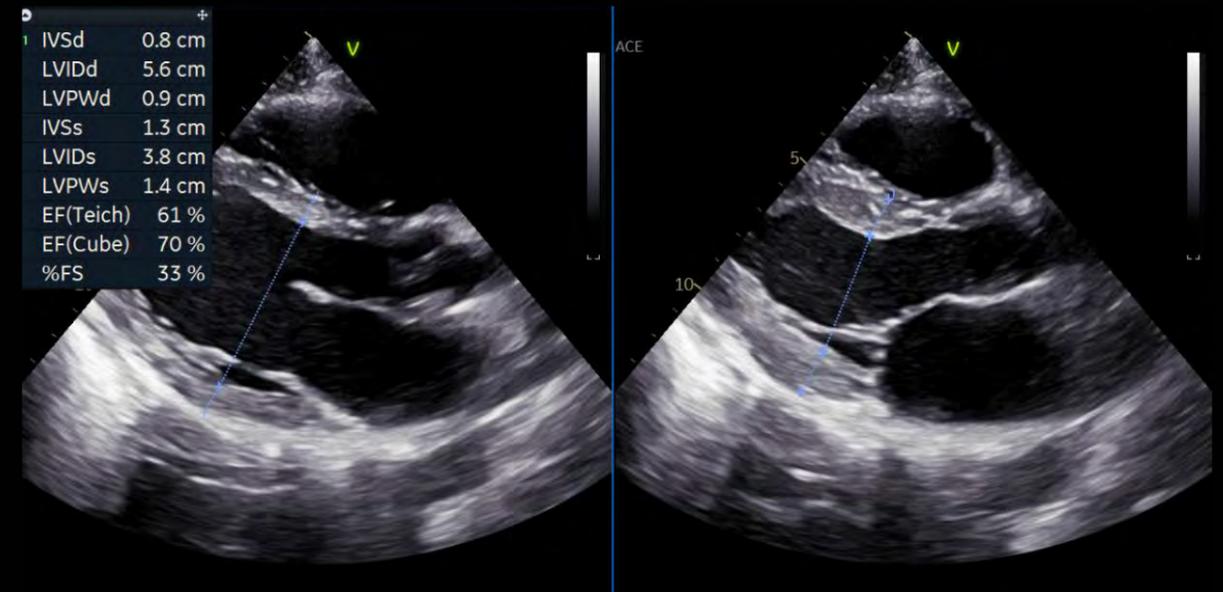
At GE Healthcare we strive to empower you by reducing wasted time and effort. We aim to remove tedious tasks and help make every moment count for your patients – seeing problems clearly and quickly, performing procedures with great precision... and providing quality of care for all.



LESS CLICKS, UP TO<sup>5</sup>  
-80%

### AI AI Auto Measure 2D

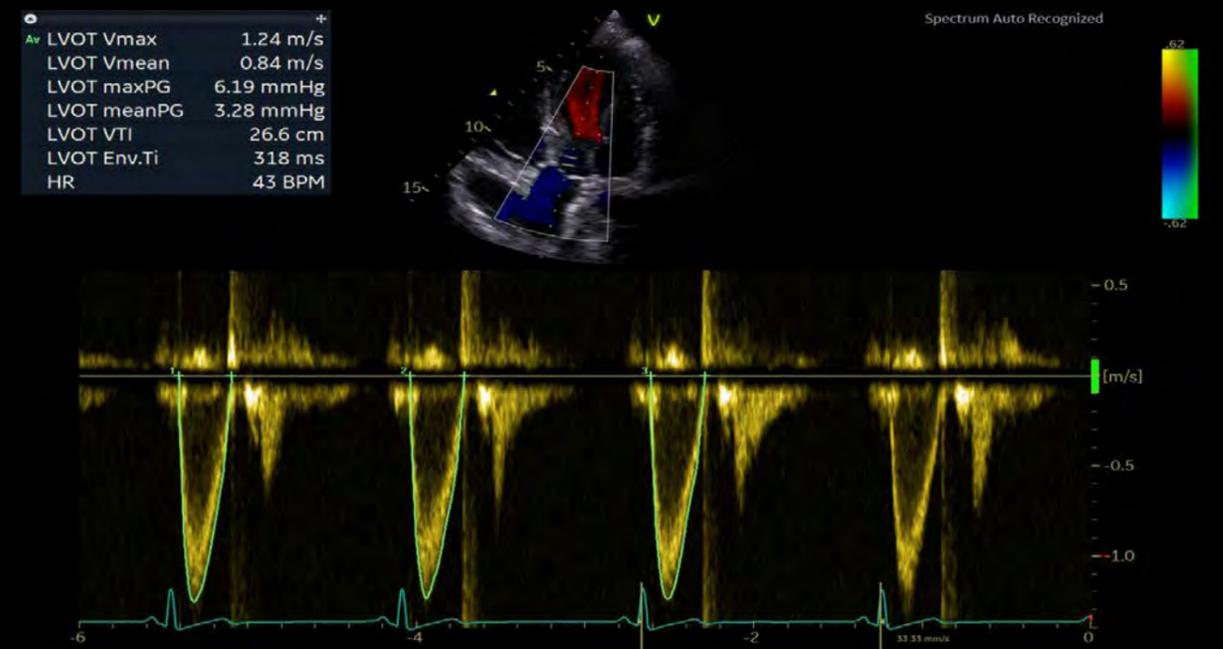
With the power of AI, the manual caliper measurements can be completed with 3 clicks: **Freeze - Measure - Auto**. A full set of reproducible measurements will instantly appear on the screen.



ACCURACY<sup>5</sup>  
98%

### AI AI Auto Measure Spectrum Recognition

With the power of AI, a wide range of Doppler measurements can be completed with 2 clicks: **Freeze - Measure**. A Doppler trace and full set of associated measurements will instantly appear on the screen.





# CLINICAL EXCELLENCE

## for Interventional Procedures

**Demand for interventional procedures is growing and so are expectations of the heart team. Grow your capacity and capabilities with advanced ultrasound and conquer difficult cases.**

Structural heart procedure success depends on preparation, collaboration and clear communication. This complex task is rewarding, and the entire team contributes.

Vivid S70N Ultra Edition offers precise and uncomplicated tools to plan your interventions. With new visualization and navigation techniques, the heart team can see clearly, communicate quickly, and perform procedures with great precision.

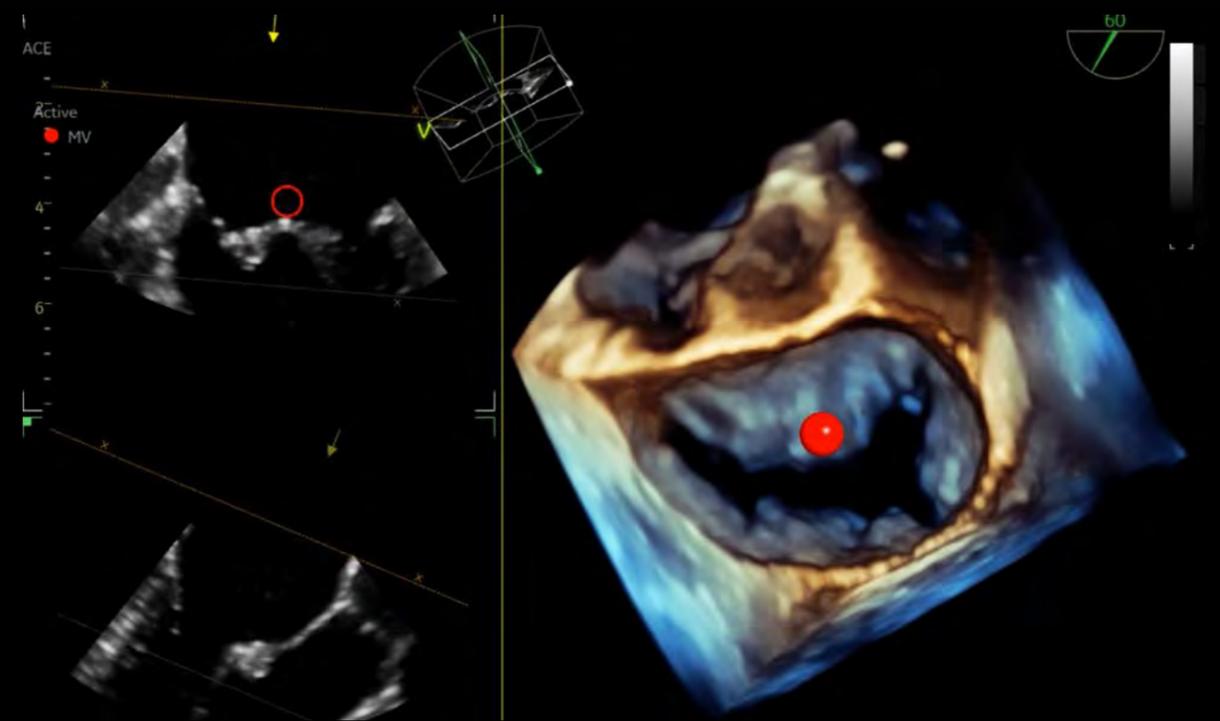
### HD Color

HD Color is a 4D color flow rendering technique for volumetric flow perception and semi-transparent visualization of origin and size of high velocity jets



### 4D Markers

Make annotations that are viewable from all angles on 4D ultrasound volume data sets and their 2D views, facilitating communication in the echo lab, cath lab and OR.





# CLINICAL EXCELLENCE

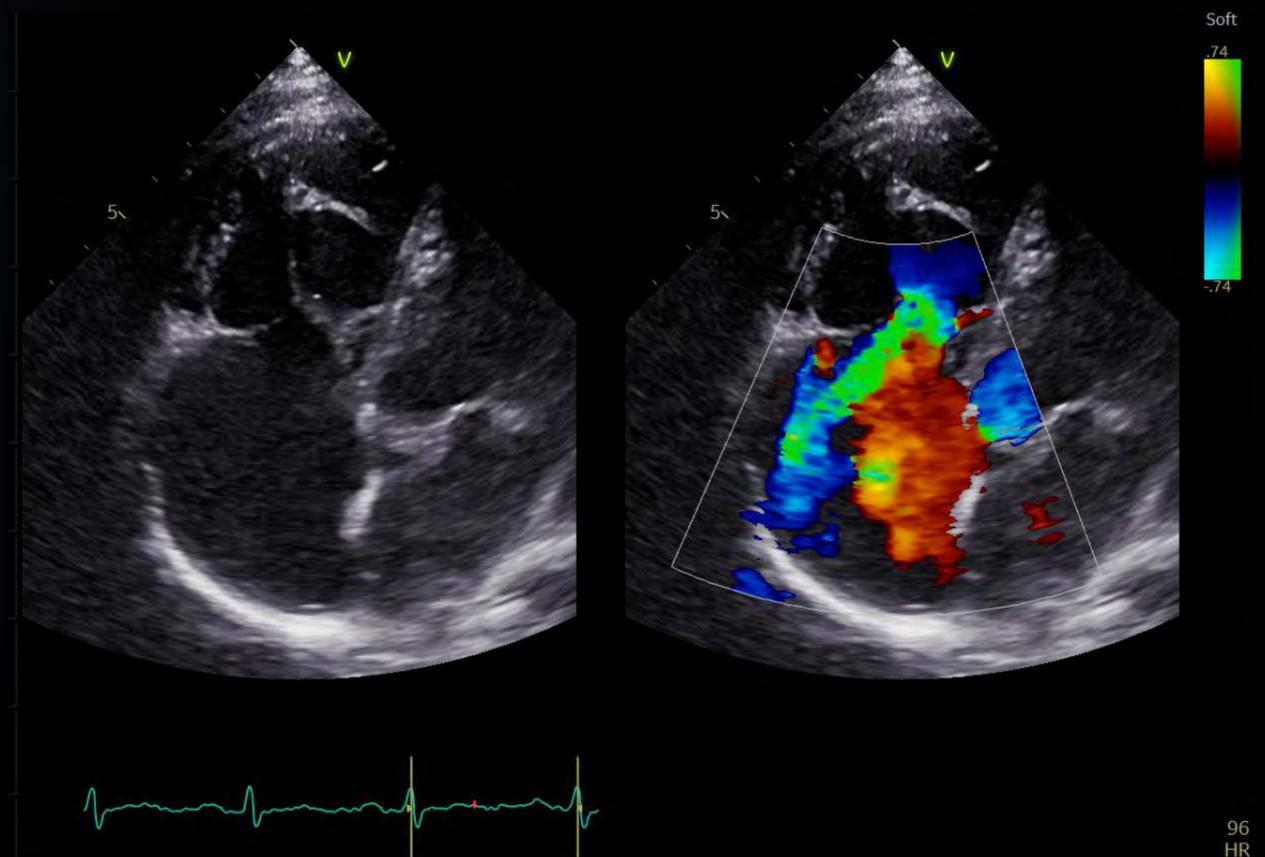
## for Pediatrics

**The smallest cardiac patients can pose the biggest care challenges with difficult to diagnose, severe conditions.**

That's why GE Healthcare designed the high-end Vivid S70N Ultra Edition with the extraordinary processing power of cSound to help you evaluate and navigate the complexities of pediatric hearts with speed, clarity and confidence.

### Pediatric imaging

Visualize small anatomies with speed, clarity and confidence thanks to Vivid S70N Ultra Edition's superb high-resolution imaging and dedicated pediatric probes.



# CLINICAL EXCELLENCE

beyond Cardiology

The demand for multi-purpose, cost efficient ultrasound systems with uncompromised image quality is growing. Your Vivid S70N Ultra Edition will exceed your expectations across a wide range of applications.

While Vivid S70N Ultra Edition has been designed to address your needs for cardiac imaging, it proves very versatile as well, capable of providing you with superb images thanks to cSound technology, and diagnostic capabilities for a wide range of applications beyond the heart.

Vivid S70N Ultra Edition's efficient workflow, wide probe range and quantification tools ensure the confidence you need for speedy and accurate diagnosis also under challenging conditions.

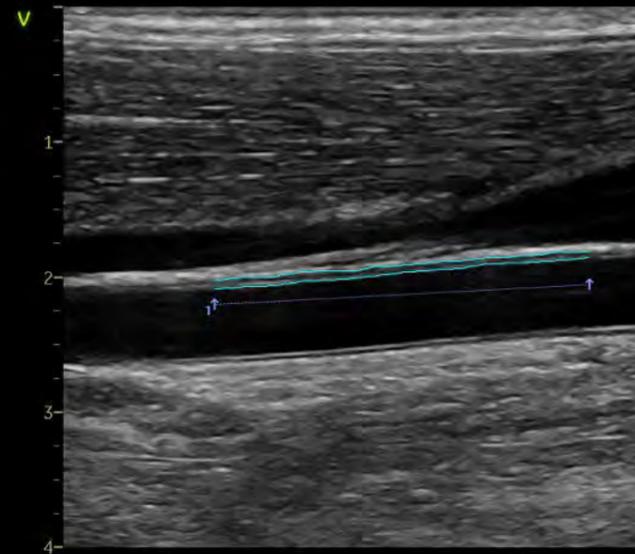
Lightweight and slim, the Vivid S70N Ultra Edition is easy to maneuver. This facilitates your movements as you walk in the corridors from one department to another, and if need be, gives access to scanning at patient bedside.

Accurate diagnostics and precise measurements are achievable with premium image quality, dedicated presets and tools on your Vivid system.

## Vascular quantification

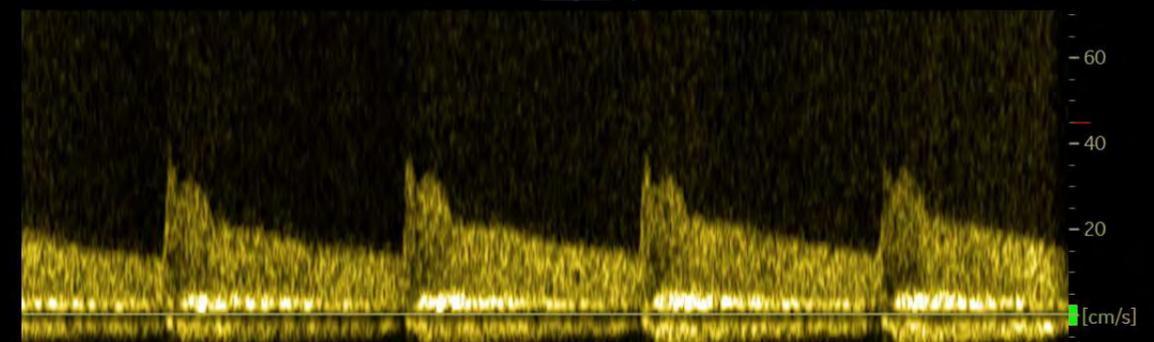
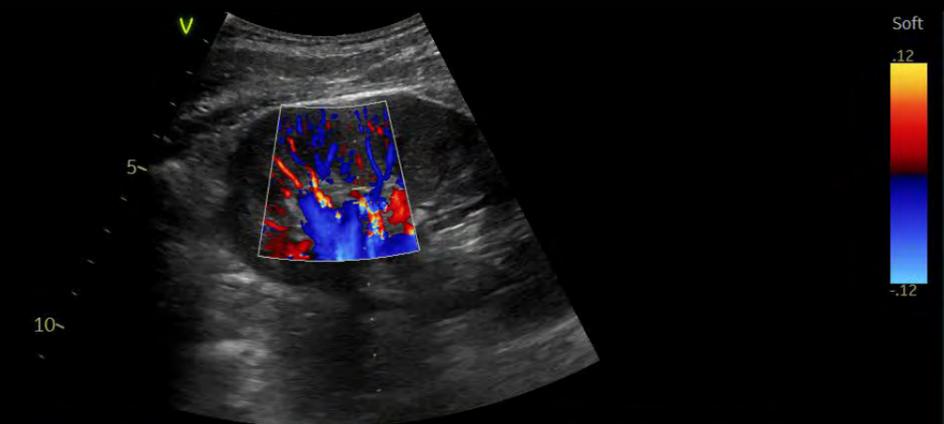
Develop fast and complete quantitative assessment of vascular anatomies, such as the Intima Media Thickness, with dedicated vascular measurement tools.

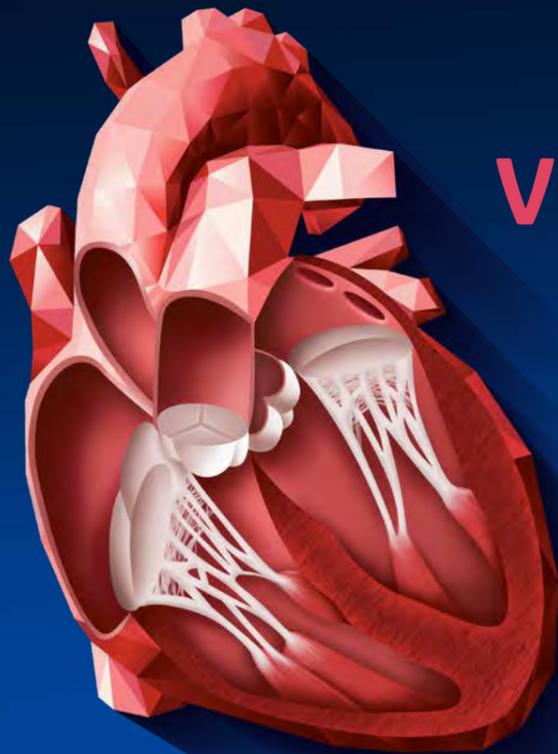
d	0.12 cm
1 IMT A Avg	0.59 mm
IMT A Max	0.76 mm
IMT A Min	0.40 mm
IMT A SD	0.08 mm
IMT A Pts	694



## Abdomen diagnosis

Visualize tissues and flow patterns with greater details thanks to Vivid S70N Ultra Edition's high-resolution imaging.





# VIVID HEART APPLICATIONS

A wide range of clinical applications for use in Core Echo Lab, Interventional and Pediatrics.

## VISUALIZATION AND NAVIGATION

Ultra Edition

4D Markers

FlexiSlice

HD Color

FlexiViews

View-X

## FLOW QUANTIFICATION

Ultra Edition

Cardiac Auto Doppler

AI

AI Auto Measure Spectrum Recognition

AI

## VALVES AND CHAMBERS QUANTIFICATION

Ultra Edition

4D Auto AVQ

4D Auto MVQ

4D Auto LVQ

AI Auto Measure 2D

AI

Auto EF

AI

## AFI FUNCTIONAL IMAGING

Ultra Edition

AFI LV with AI View Recognition

AI

AFI RV

AFI LA

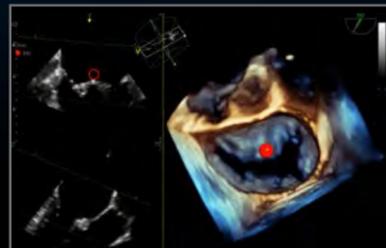


## VIVID HEART APPLICATIONS

# VISUALIZATION AND NAVIGATION

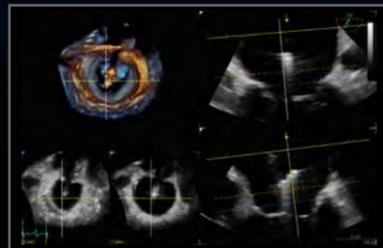
New in Ultra Edition

*Why guess? When you can see.*



### 4D Markers

Make annotations that are viewable from all angles on 4D ultrasound volume data sets and their 2D views, facilitating communication in the echo lab, cath lab and OR.



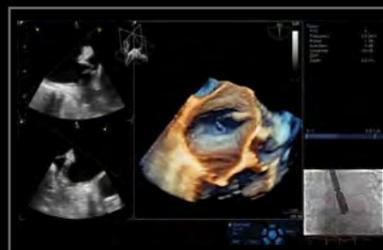
### FlexiSlice

With a distance gauge and two viewing layouts, this interactive tool for obtaining 2D or render views in live or replay mode may provide enhanced insight as well as save time.



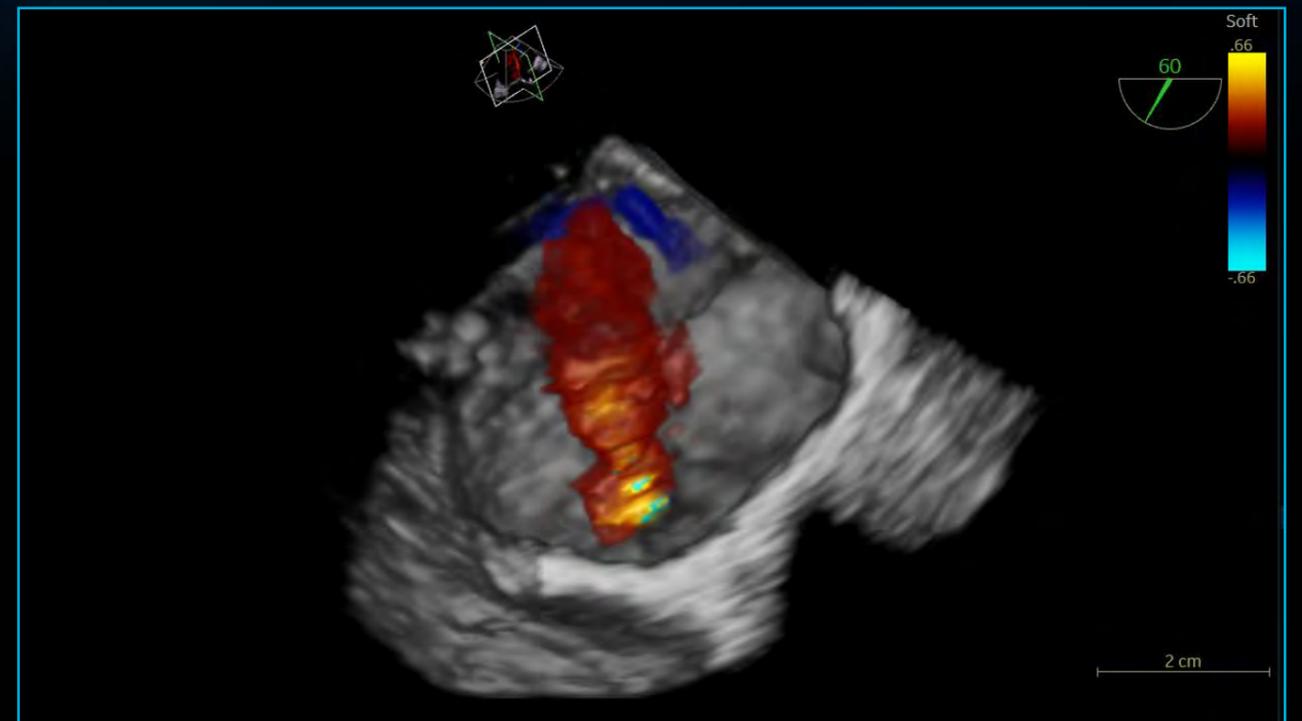
### FlexiViews

Gain quick access to predefined 4D/multiplane views during live mode, potentially reducing scan time during complex interventional procedures.



### View-X

See X-ray from fluoroscopy in real time right on your Vivid S70N Ultra Edition screen as a picture in picture, facilitating communication between team members.



Ultra Edition

### HD Color

4D color flow rendering technique for semi-transparent visualization of origin and size of high velocity jets.

#### Benefits:

- Enhance spatial relationships between flow and the surrounding structures
- Suppress non-diagnostic low flow information
- Work seamlessly with other visualization techniques such as 4D markers
- Supports 4D color flow data also from previous releases

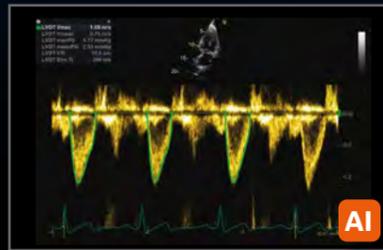


# VIVID HEART APPLICATIONS

## FLOW QUANTIFICATION

Your time is precious. Save it.

New in Ultra Edition

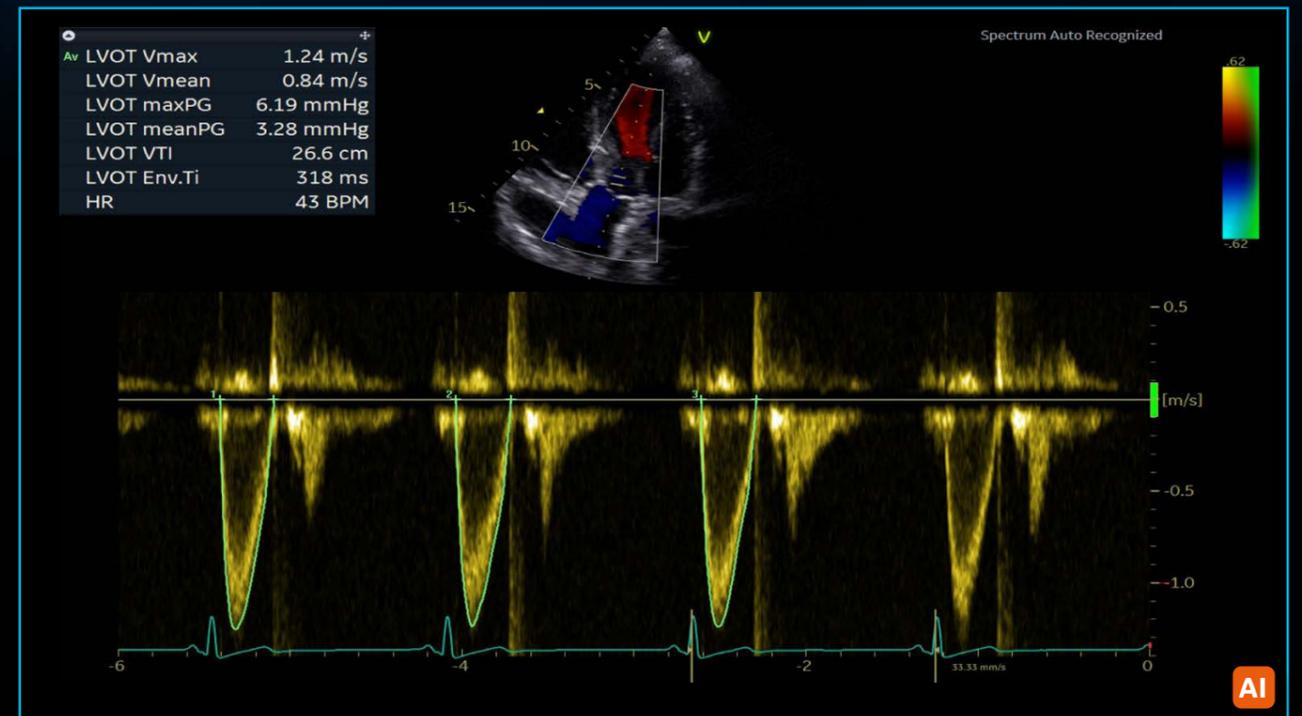


### Cardiac Auto Doppler

Semi-automatic Cardiac Doppler measurements.

Benefits:

- Enhances reproducibility of follow-up studies when used in automated mode<sup>6</sup>
- Offers Doppler measurement in multiple cardiac cycles as recommended by guidelines for irregular heart rhythms<sup>7,8</sup>
- Supports less experienced users with advanced automation



Ultra Edition

### AI Auto Measure - Spectrum Recognition

Semi-automatic selection of appropriate spectral Doppler measurement tool.

Benefits:

- Enables fewer manual interactions by automatically opening the appropriate measurement tool<sup>5</sup>
- Works seamlessly with Cardiac Auto Doppler
- Enhances reproducibility of follow-up studies when used in automated mode<sup>5</sup>
- Supports less experienced users with advanced automation



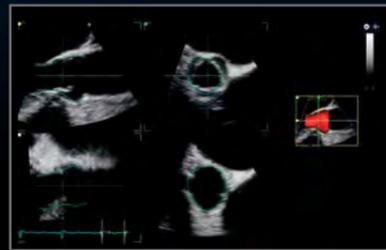


# VIVID HEART APPLICATIONS

## VALVES AND CHAMBERS QUANTIFICATION

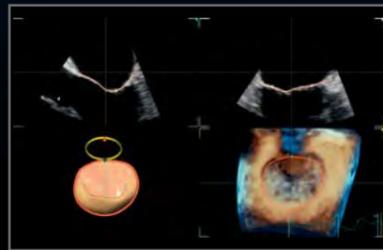
### New in Ultra Edition

Precision at the heart of quantification.



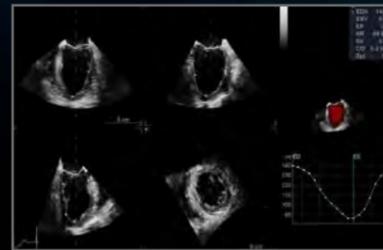
### 4D Auto AVQ

Automatically segment, align and quantify the aortic outflow tract – vital to device sizing and orientation for TAVI/TAVR procedures.



### 4D Auto MVQ

Supporting TEE images, this integrated package helps visualize and quantify the mitral valve via a semi-automatic, surface-detecting algorithm.



### 4D Auto LVQ

Adapted to work with full volume data sets acquired with the 4D TEE transducer, 4D Auto LVQ for TEE brings you a fast and easy automated method for left ventricle quantification, including volumes and ejection fraction.



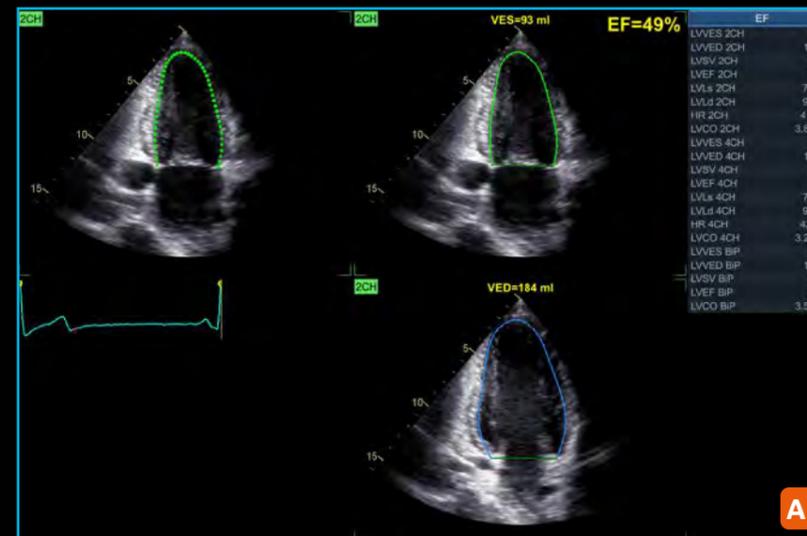
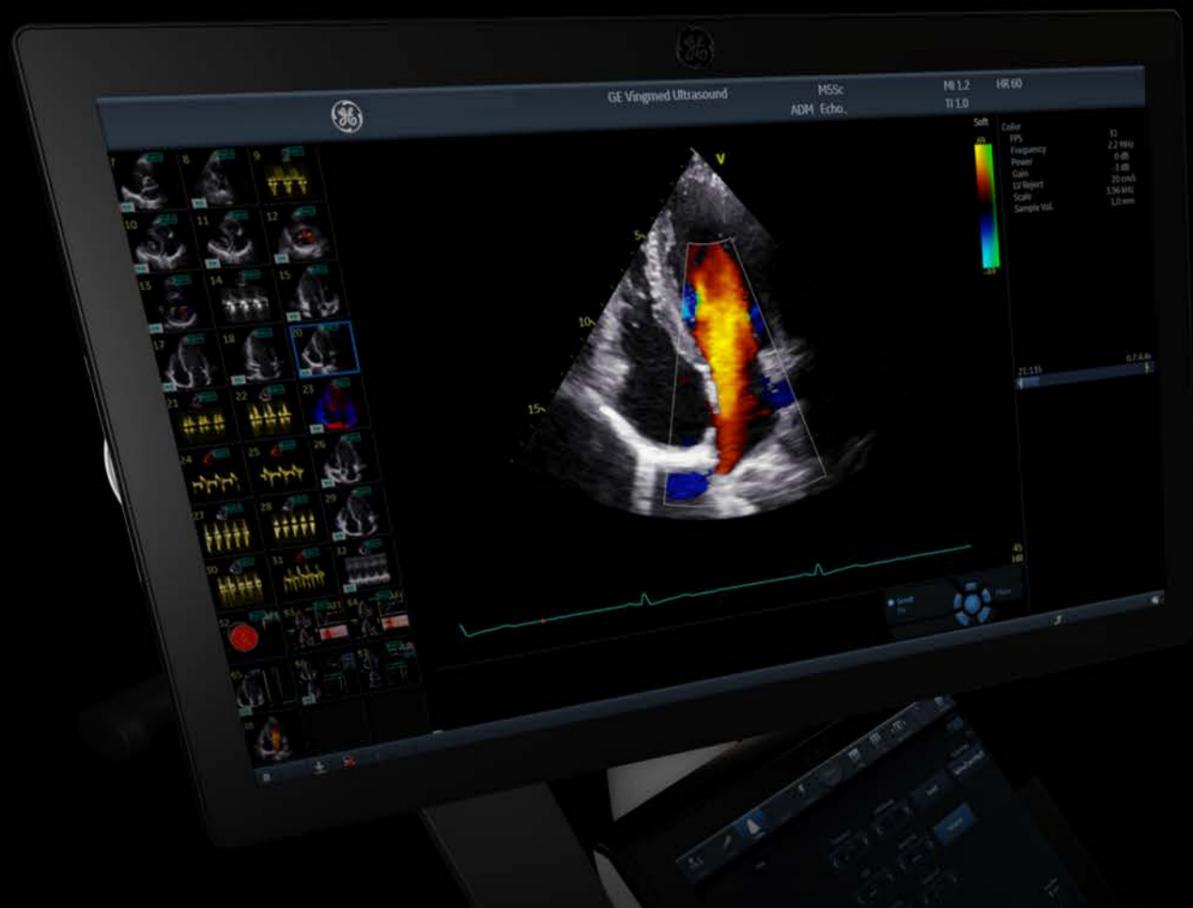
Ultra Edition

### AI Auto Measure 2D

Semi-automated LV dimension measurements (2D calipers) in the parasternal long axis view, reducing manual interactions.

**Benefits:**

- Achieves fast measurements of left ventricle dimensions:
  - Up to 80% less clicks<sup>5</sup>
  - No need to scroll to look for ED and ES frames
  - Reduce manual workflow during analysis of cardiac images
- Improves reliability and repeatability of measurements – potentially increasing reproducibility for follow-up studies



Ultra Edition

### Auto EF

Powered by AI-based View Recognition, Auto EF provides semi-automated quantification of left ventricular volumes and ejection fraction.

**Benefits:**

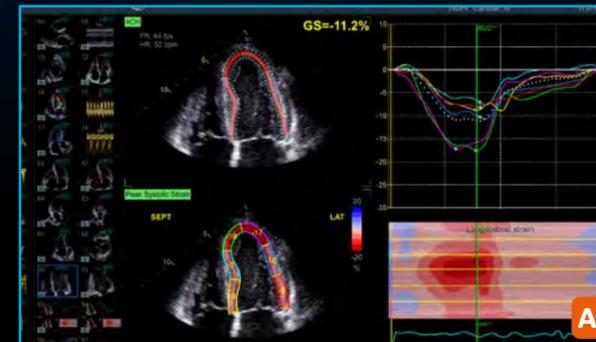
- Achieves fast measurements of ejection fraction
- DICOM® support. Assessment of the left ventricle ejection fraction also on data sets acquired on other vendors' systems



# AFI FUNCTIONAL IMAGING

From diagnosis to prognosis.

## New in Ultra Edition

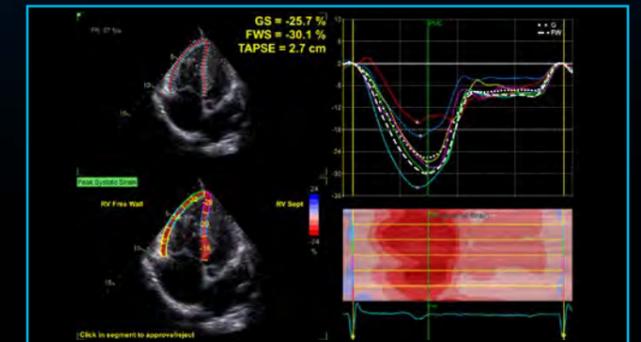


Ultra Edition **AFI LV with AI View Recognition\***

Powered by AI-based View Recognition, AFI LV provides semi-automated quantification of left ventricular global and segmental strain.

**Benefits:**

- Offers advanced industry pioneered speckle tracking algorithm for quantifying myocardial deformation
- Works seamlessly - integrated ejection fraction calculation
- Supports Adult and Pediatric TTE and Adult TEE images
- Provides time savings via automatic selection of the appropriate 4-chamber, 2-chamber and APLAX images for analysis
- DICOM support. Assessment of the left ventricle ejection fraction also on data sets acquired on other vendors' systems

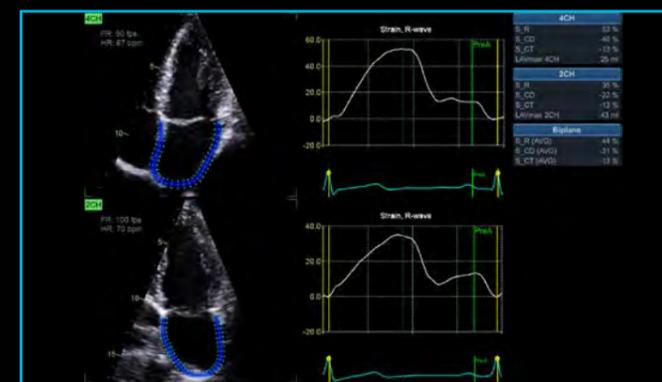


Ultra Edition **AFI RV**

AFI RV is a novel tool to assess the right ventricular function by advanced speckle tracking echocardiography.

**Benefits:**

- Offers renowned Vivid AFI user interface and workflow to allow current and new users easy adoption
- Supports right ventricle free wall strain, global strain and Tricuspid Annular Plane Systolic Excursion (TAPSE)
- Follows the 2018 EACVI-ASE Strain Standardized Task Force guidelines
- Supports right ventricle images also from previous releases



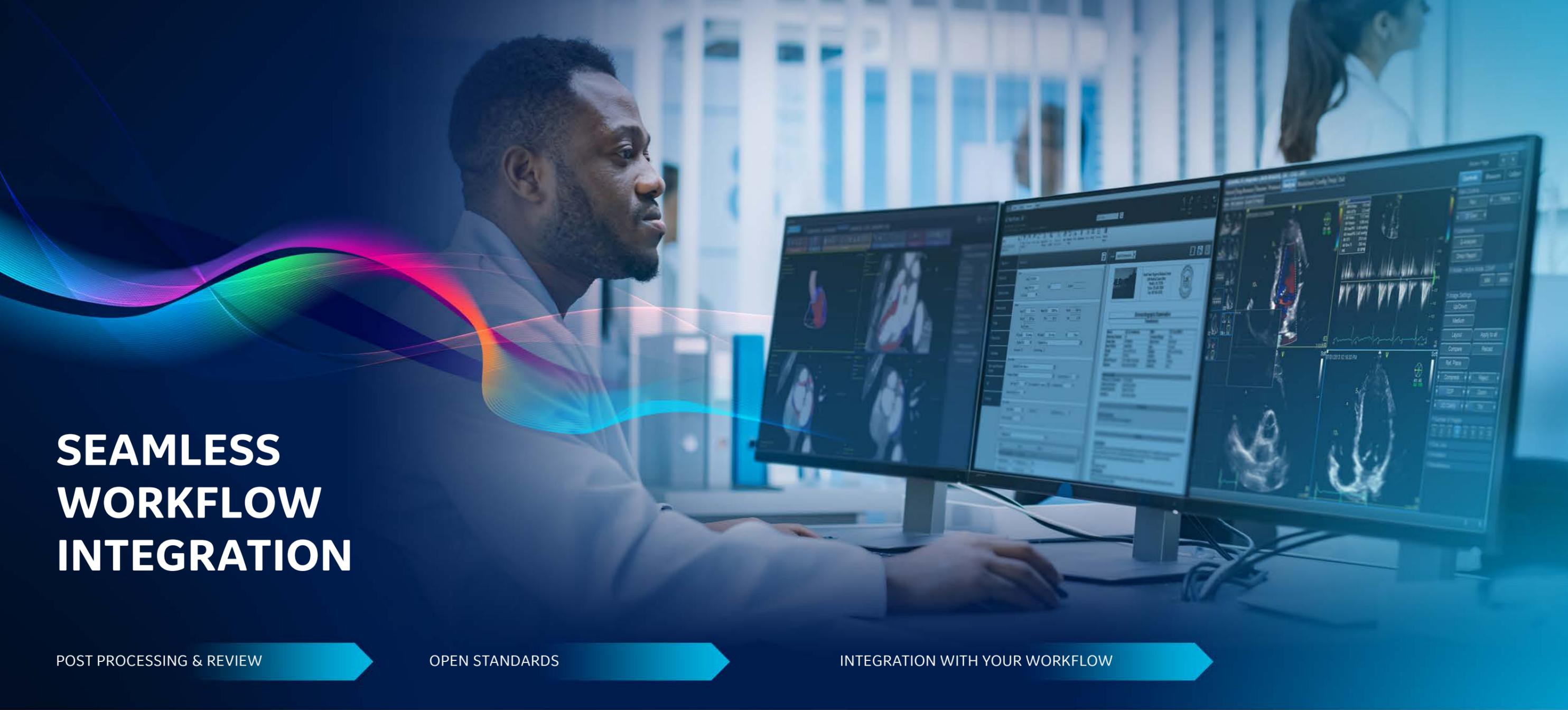
Ultra Edition **AFI LA**

AFI LA Strain is a novel method to assess the left atrial function allowing global strain to be measured using speckle tracking echocardiography.

**Benefits:**

- Offers Vivid renowned AFI user interface and workflow allowing users to easily adopt
- Supports left atrium strain, volumes and emptying fraction measurements
- Follows the 2018 EACVI-ASE Strain Standardized Task Force guidelines
- Supports left atrium images also from previous releases

\*View Recognition is only applicable to images acquired with TTE probe on GE systems



# SEAMLESS WORKFLOW INTEGRATION

POST PROCESSING & REVIEW

OPEN STANDARDS

INTEGRATION WITH YOUR WORKFLOW

## EchoPAC Software Only and EchoPAC Plug-in:

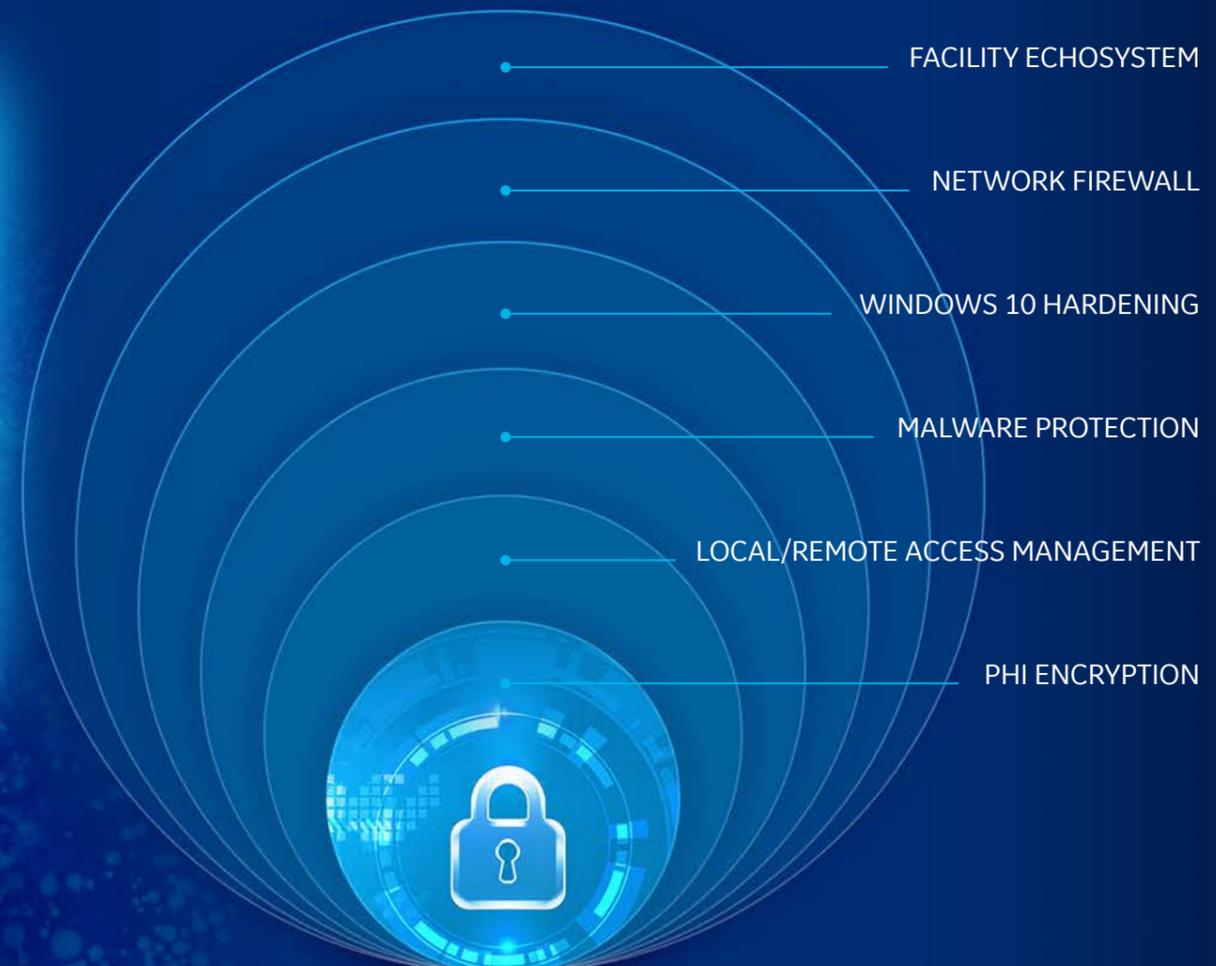
- Analyze and review data from GE Healthcare Vivid family of scanners, as well as DICOM images from other ultrasound systems.
- Access all Vivid measurement and review tools utilizing GE Healthcare Raw Data or industry standard DICOM data
- DICOM Image transfer with optional GE Healthcare Raw Data transfers images easily in your existing workflow
- DICOM SR Measurement Transfer including standard and custom measurement allows seamless integration with GE Healthcare and other industry reporting systems and EMRs<sup>11</sup>

## EchoPAC Plug-in is available for:

- GE Healthcare Centricity™ Cardio Enterprise with Intelligent Reporting (IR).
- GE Healthcare ViewPoint™ 6 with EchoPAC Suite<sup>10</sup>
- As a plug-in to third party PACS

With Centricity Cardio Enterprise IR, routine adult echo reports are

**83%** complete before the physician opens the exam to review.<sup>9</sup>



# SonoDefense

ADVANCED CYBERSECURITY  
AND DATA PRIVACY PROTECTION

Healthcare institutions are under growing threats of cyberattacks – and the implications for data security, patient privacy, and the quality and cost of care are staggering.

The SonoDefense strategy consists of SIX LAYERS, with each layer enhancing the overall security of the system and help protect patient data.

**Protecting against these threats and safeguarding your patients and your institution requires more than anti-virus protection. SonoDefense is GE Healthcare’s multi-layer strategic approach to cybersecurity and patient data privacy for ultrasound.**

## SonoDefense is designed to:

- Keep the ultrasound machine safe and functional in the face of cyberthreats
- Protect patient data on the machine from unauthorized access
- Enable you to successfully implement patient data and security policies, while still managing product daily workflows

## SonoDefense strategy applies to Vivid portfolio:

- Windows® 10 IoT Secure Operating System provides multi-layered security
- Application whitelisting prevents malware execution
- Configurable user security provides user authentication and access control
- Data encryption protects stored data and during transmission
- Network firewall disables unneeded operating system services
- Integrates with existing facility security infrastructure



Healthcare is a soft-target for hacking and ransomware.<sup>12</sup>

**\$4B** cost added in 2019<sup>13</sup>



Ultrasound is especially vulnerable to operator-dependence leading to

**VARIABILITY** between exams<sup>15</sup>



Constrained budgets increase pressure to

**DO MORE** with less<sup>14</sup> and to optimize assets



**Probe mishandling** can lead to damage which can cause faulty data and may lead to incorrect medical decisions<sup>16, 17</sup>



# [POP] PERFORMANCE OPTIMIZATION PARTNERSHIPS

Purchasing a GE Healthcare ultrasound is not only getting access to a high-technology or remarkable clinical applications. It's about enjoying a new user experience, at every step of ownership. We help you to outperform today, while preparing your department for tomorrow's challenges.

## STAFF EXCELLENCE

*A comprehensive portfolio of training for clinical and technical users.*

**Helping you and your team build customized development plans to foster excellence and increased confidence.**

## ASSET OPTIMIZATION

*Customizable dashboards for asset utilization and consulting services to provide actionable insights.*

**Achieving more with your assets to improve patient care and realize department strategic plans.**

## PROACTIVE MANAGEMENT

*Use digital technology and tools to minimize expensive and disruptive unplanned downtime.*

**Proactive monitoring to help reduce cost and revenue loss from unplanned failures and automated updates for peace of mind.**

## IMPROVED UPTIME

*Best-in-class repair services to drive uptime. Fully scalable from full coverage to shared maintenance.*

**Thoroughly aligned with your own in-house capabilities, providing the right balance between staff autonomy and our expertise.**

## DEVICE PROTECTION

*Keep your device state-of-the-art with software upgrades, new applications and security patches.*

**Optimizing your device to drive clinical and operational benefits and help you stay ahead of the game, without changing your equipment.**

## PROBE PERFORMANCE

*Customizable portfolio of solutions for probe lifecycle needs to improve availability and performance.*

**Proactive probe care that may help you increase diagnostic quality, decrease cross-contamination risk and expand the life span of the transducers.**

## PARTNERSHIPS DRIVE RESULTS

**GE Healthcare is by your side to overcome these risks, helping you to:**

- ✔ Keep your systems up and running, safe from breaches and cyberattacks
- ✔ Achieve more with your existing systems, without changing your investment plan
- ✔ Improve your activity, exam flow and staff planning, based on comprehensive data and reports
- ✔ Create comfort zone for your teams, reaching operational efficiency and clinical excellence
- ✔ Achieve high standard in probe-related cross-contamination and diagnostic errors

*Ready to make your Vivid **POP**?*

Complete lifecycle solution for clinical, operational & financial outcomes.

**You take care of your patients, we'll take care of you.**

# UNLEASH THE POWER OF CONNECTED DEVICES

Your Vivid system has been designed to provide you with an optimal user experience. Connectivity is the key element to enjoy it fully, whenever and wherever you need it, regardless of site access restriction and planning constraints.

Discover a new world of services, included in every package:

## REMOTE TECHNICAL SUPPORT

*Access to experts anytime, anywhere*

**InSite™** connectivity enables OnDemand and real-time access to remote GE Healthcare experts

- Reduce disruptions
- Decrease system downtime
- Improve asset usage and staff productivity

It provides secure remote connectivity without requiring any open inbound ports or VPN connection.

## PREDICTIVE MAINTENANCE

*Know the failure before it occurs*

Transform unplanned downtime into planned service events with **OnWatch** technology. It provides automated, 24/7 system monitoring, capable of detecting a system failure before it occurs. Any deviation alerts our GE Healthcare engineers, who proactively work to keep your operations running smoothly.

## DATA DRIVEN INSIGHTS

*All the insights you need to decide, at your fingertips*

Better decisions start with better data **iCenter™** is a secure, cloud-based asset management tool that offers comprehensive data analytics for your systems. It provides insights to make informed decisions and helps improve operational performance, optimize patient flow and maintain compliance standards.

**UpdateMe** is a complementary app that gives you access to the data 24/7 directly on your smartphone. You can receive notifications and create a service request anytime, anywhere.

### REMOTE FIX

UP TO **40%**

*issues fixed remotely with InSite<sup>18</sup>*

### COST SAVINGS

UP TO **90%**

*cost reduction, based on OnWatch alerts<sup>18</sup>*

## NEW REMOTE SUPPORT

*Real-time and interactive applications support*

**Digital Expert<sup>19</sup>** and **STAR** provide an interactive, real-time, flexible & convenient way to get education and support.

- May help improve training outcomes
- Increase capacity and efficiency
- Train staff on a short timeline



## NEW AUTOMATED UPDATES

*No need to worry about your system safety*

Get automated software updates with **eDelivery** along with safety patches enabled by remote software download.

**SonoDefense** provides the highest level of cybersecurity to keep your systems up-to-date, with no impact on your operations. No on-site intervention needed.

