



# Vscan Extend™

More power in your pocket with new apps\*

January 6, 2022



Products mentioned in the material may be subject to government regulation and may not be available in all countries. Check with your local sales representative. Shipment and the effective sale in certain countries can only occur if the product is approved.

\*As compared to previous release of Vscan Extend.

Vscan Extend is a trademark of General Electric Company.

# Vscan Extend

Immediate access to pocket-sized ultrasound as adjunct to physical exam with seamless documentation leveraging touchscreen-based ID & cloud ecosystem



- Fits in your pocket – anytime, anywhere<sup>1</sup> ultrasound solution
- Built for diverse clinical environments – durable and robust
- Dual Probe supports a broad range of applications: 16 applications covered and 80% of the core ultrasound applications<sup>2</sup>
- Feels like your smart phone – navigate with just your thumb
- Integrates seamlessly with wireless dataflows – including DICOM<sup>®</sup>-based hospital networks
- Customize your device with apps<sup>3</sup> – giving you the option to help you manage more clinical care scenarios

1. The device has been verified for limited use outside of professional healthcare facilities including during transport. Use is restricted to environmental properties described in the user manual. Contact your GE Healthcare sales representative for details.
2. Based on internal assessment of American College of Emergency Physicians (ACEP) Policy Statement for Emergency Ultrasound Guidelines, 2008 (DOC1856086).
3. GE Marketplace and Vscan Extend apps are valid for systems with Wi-Fi Access or DICOM configurations of Vscan Extend. Availability of specific Vscan Extend apps is also dependent on the software version of your device and country.

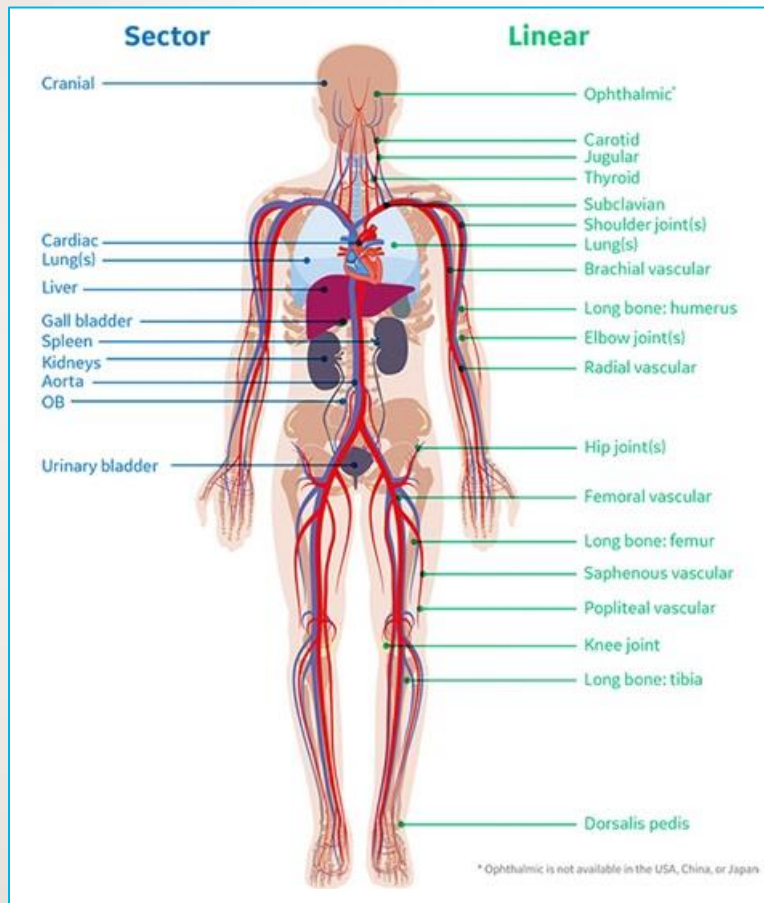
DICOM is a registered trademark of National Electrical Manufacturers Association.



# Indications for use

16 applications covered

Dual Probe covers 80% of the core ultrasound applications<sup>1</sup>



## Deep imaging

- Cardiac
- Abdominal
- OB
- Aorta
- Cranial

## Triage applications enabled with Vscan Extend with Dual Probe

- Pericardiocentesis
- Paracentesis
- Thoracentesis
- Amniocentesis
- Central lines
- Peripheral lines

## Shallow Imaging

- Lungs
- Vascular
- Soft Tissue
- Ophthalmic\*

## Procedures enabled with Vscan Extend with Dual Probe

- eFAST (retroperitoneal fluid)
- CLUE (heart and lungs)
- Shortness of breath (heart and lungs)
- RUSH: IVC, abdominal aorta, right ventricle, left ventricle
- FEER: (heart)
- FEEL: (heart and lungs)
- FATE: (heart and lungs)

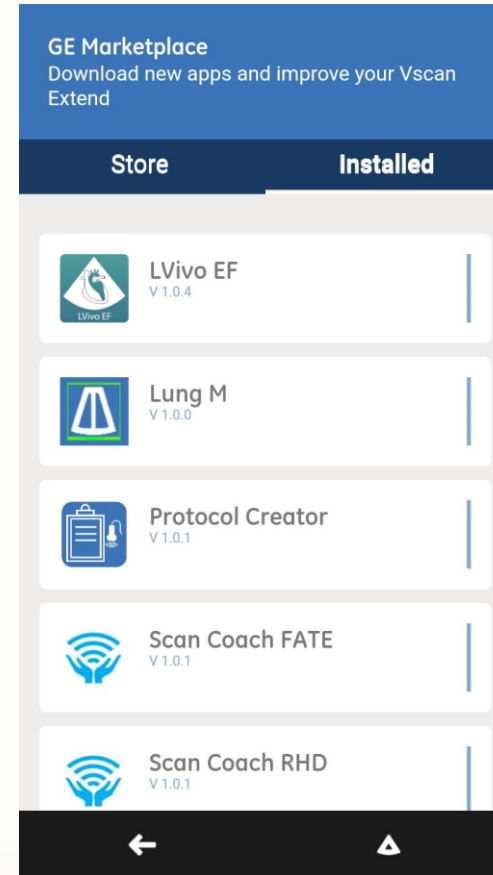


# The power of new apps, right in your pocket

GE has collaborated with third party developers and experienced Vscan Extend users to develop apps that help meet the evolving needs of Vscan Extend users.

Apps give you the option to customize your Vscan Extend to efficiently fit the care areas you already serve, and to manage more clinical care scenarios.

This growing menu of apps underscores GE's commitment to continuously expand Vscan Extend's capabilities, empowering healthcare professionals to make confident decisions in critical moments.



Online access to GE Marketplace with screenshots of the apps and additional information before downloading and installing.

Email notifications of new or updated apps – updates can be easily initiated directly from Vscan Extend.

New: GE Marketplace allows the update of Vscan Extend firmware, GE Marketplace, GE Kiosk and the basic scanner application through the Internet. New versions of these software applications can be automatically detected when connected to the GE Marketplace. Updates can then be manually downloaded and installed.

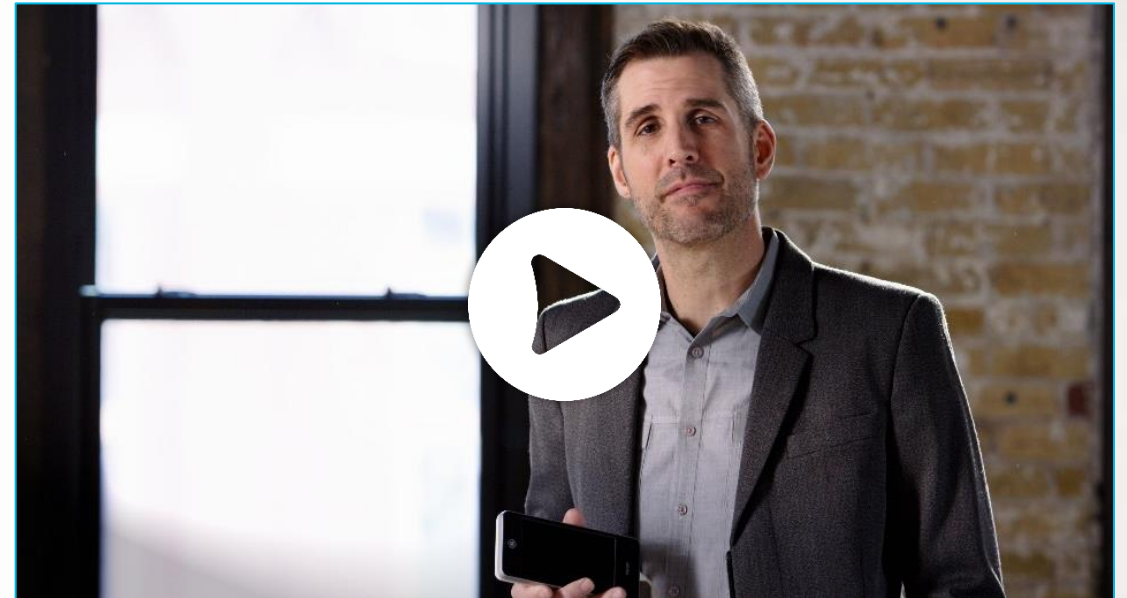


# The power of new apps, right in your pocket

## Vscan Extend apps – most available at no cost

---

- Auto Optimize
- Bladder Volume
- Comprehensive Label
- Lung M-Mode
- Lung Protocol
- LVivo EF<sup>1</sup>
- Protocol Creator
- Scan Coach FATE
- Scan Coach FCU
- Scan Coach RHD
- Screen Mirror
- Uplink apps<sup>2</sup>
  - Centricity Enterprise Archive™ Uplink
  - NOBORI® Uplink
  - Tricefy™ Uplink



1. Available for purchase. LVivo EF app is developed by and licensed from DiA Imaging Analysis Ltd.
2. Uplink apps are available only in selected geographies. Generally, not more than one Uplink app is supported in a particular country.

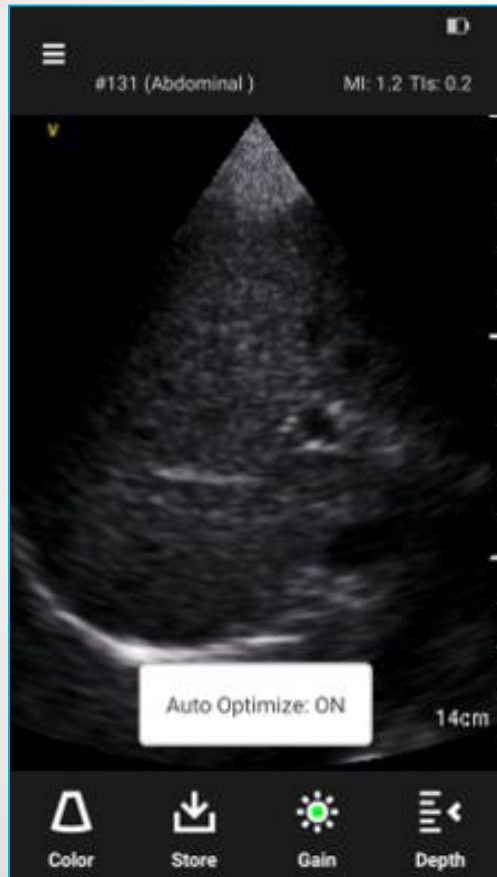
Centricity Enterprise Archive is a trademark of General Electric Company.

NOBORI is a trademark of TechMatrix Corporation.

Tricefy is a trademark of Trice Imaging, Inc.



# Auto Optimize\*



Enabled and disabled with longer keystroke on gain button.

Temporary notification when Auto Optimize is changed to ON or OFF.

Indicator within the gain button (green if ON).

Enables automated TGC (time gain compensation) with a single key stroke during live scanning.

Gain is automatically adjusted for all depths.

Watch tutorial

Preview more apps



# Bladder Volume\*



A flexible, protocol enabled measurement tool for calculating urinary bladder volumes.

- Includes an edge-detection algorithm that suggests and automatically places the measure calipers for transverse and sagittal view
- You can accept or manually adjust these measurements to get the bladder volume
- It can be used anytime during a scan

[Preview the app](#)

[Preview more apps](#)



# Comprehensive Label\*

Patient Name  
First Name Last Name

Patient Id  
12345

Date of birth  
6/21/1970

Exam Date  
5/22/2018

Transducer  
G3S

Transmit focus  
6.0 cm

Facility Name  
GE Healthcare



Wirelessly exported .jpg files and .mpg clips can be complemented by patient identifier and scan information.

- Helps address recommended ultrasound documentation standards such as AIUM and DEGUM
- Patient name, ID, date of birth, exam date and number, transducer name, chosen preset, transmit frequency, MI and TI, transmit focus point and facility name are included with the exported image or clip

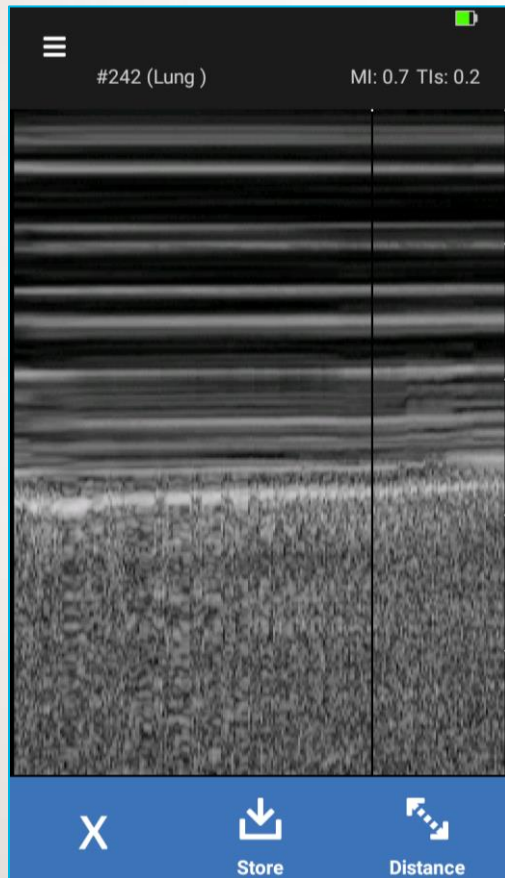
[Preview the app](#)

[Preview more apps](#)





# Lung M-Mode\*



The Lung M-Mode app provides the M-Mode capability specifically to support lung assessment and documentation of signs like seashore. After entering the Lung M-Mode tool, a centered vertical M-Mode cursor line is applied to generate the M-Mode display.

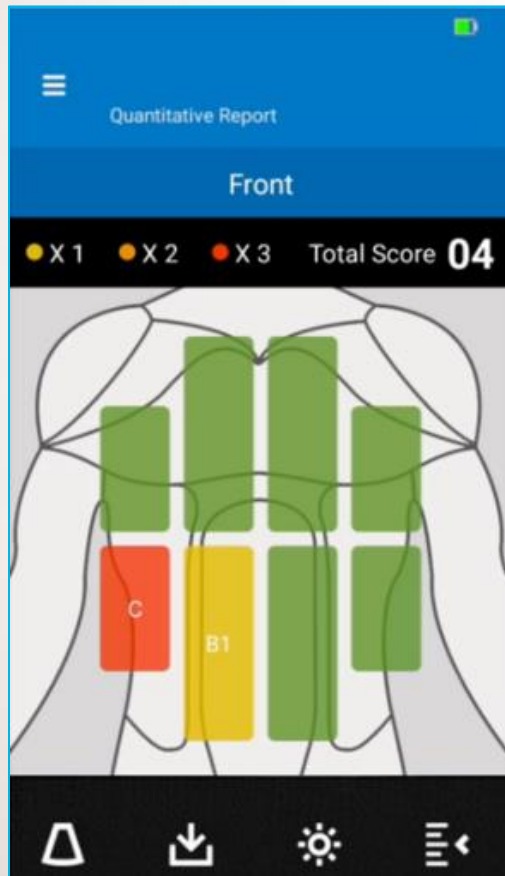
- This tool is enabled for linear transducer with lung preset and sector transducer with cardiac preset (the recommended preset for lung assessment with the sector transducer)
- Once the M-Mode image is optimized, the image can be stored, or a distance measurement can be made and stored

[Preview the app](#)

[Preview more apps](#)



# Lung Protocol\*



Navigates you through a systematic lung ultrasound exam.

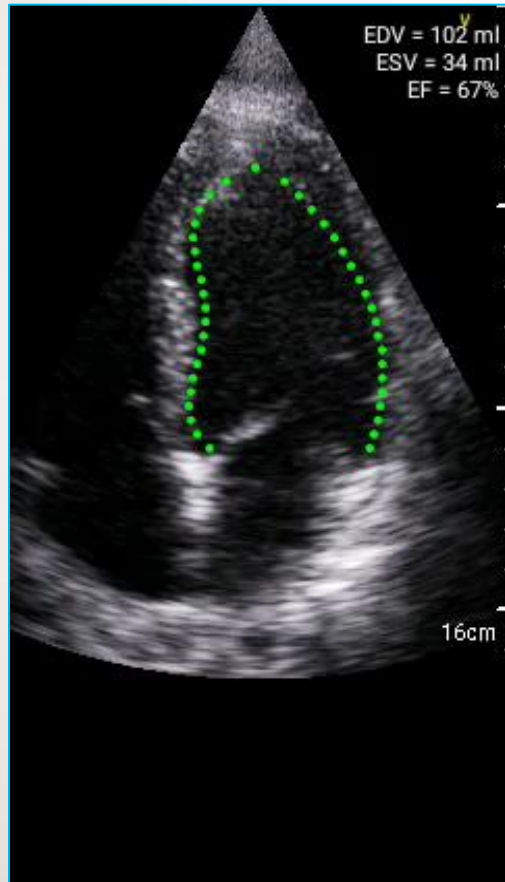
- Automatically activates your scanning preset
- Annotates each image acquired during the lung exam
- Assess the images qualitatively, or leverage a scoring system
- Configure the lung protocol according to your needs
- Create a simple report that is stored with the exam

[Preview the app](#)

[Preview more apps](#)



# LVivo EF\*



GE Healthcare has partnered with DiA Imaging Analysis, Ltd. to provide the LVivo EF App.

It calculates ejection fraction and end-systolic, end-diastolic left ventricular volumes by automated edge detection of the left myocardial wall using apical 4-chamber views.

[Preview the app](#)

[Preview more apps](#)



# Protocol Creator\*



Enables you to create a customized exam script that will help guide you through an ultrasound image acquisition protocol for a Vscan Extend exam.

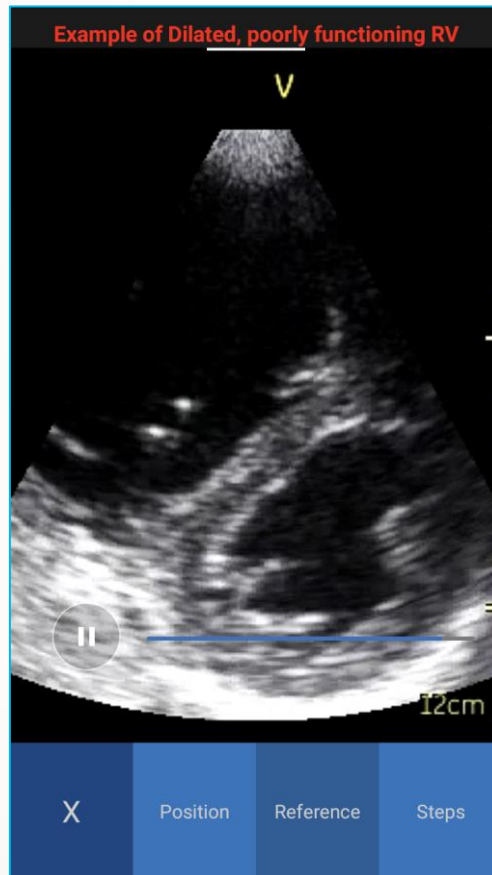
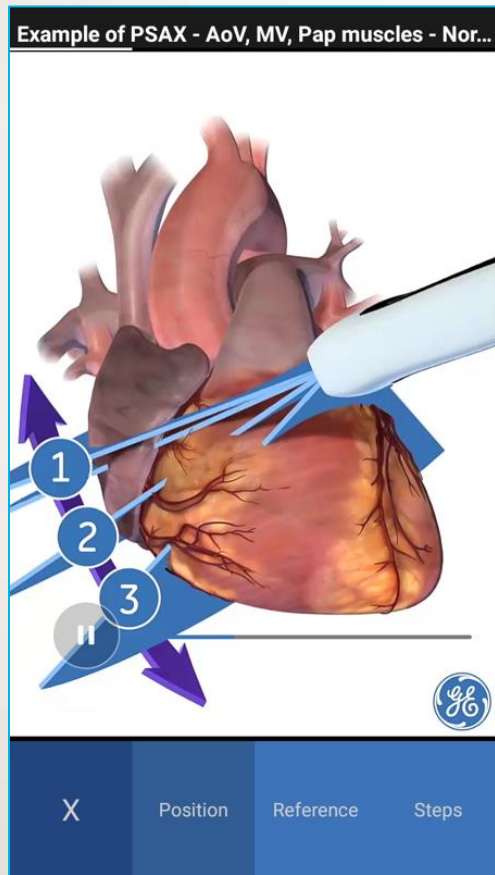
- Customized content – created by experts and loaded into a protocol – helps to ensure consistency with exams. You can also customize protocols using ultrasound images that can be used as reference during an exam
- Automated presets for each view and automated annotations for saved images are provided to help enhance productivity

[Preview the app](#)

[Preview more apps](#)



# Scan Coach Apps\*

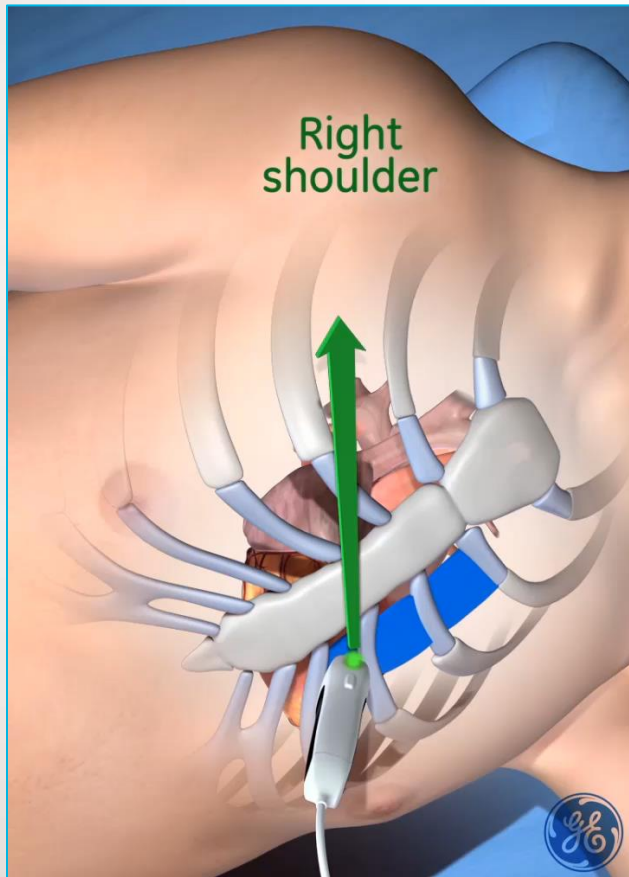


Vscan Extend Scan Coach apps were created with clinicians to give you a protocol of standard ultrasound imaging views and context-based reference materials to evaluate the heart.

- During the exam, you can reference ultrasound images of normal anatomy and examples of common pathologies for each scan plane
- 3D animations help remind you of the relationship of probe positioning with resulting ultrasound images and annotated schematics for anatomical landmarks to help you acquire the desired views
- The steps overview page provides a checklist of views defined by the protocol to help you track completion during the exam
- User instruction can be activated to provide information related to the specific view in the step



# Scan Coach FATE\*



**Right shoulder**

**Steps Overview**  
Listed here are all the steps for the protocol

- 1 Pos 1: Subcostal 4-ch
- 2 Pos 1: Subcostal Vena Cava
- 3 Pos 2: Apical 4-ch
- 4 Pos 3: Parasternal Long Axis
- 5 Pos 3: Parasternal LV Short Axis
- 6 Pos 4L : Left Pleura

**Start**

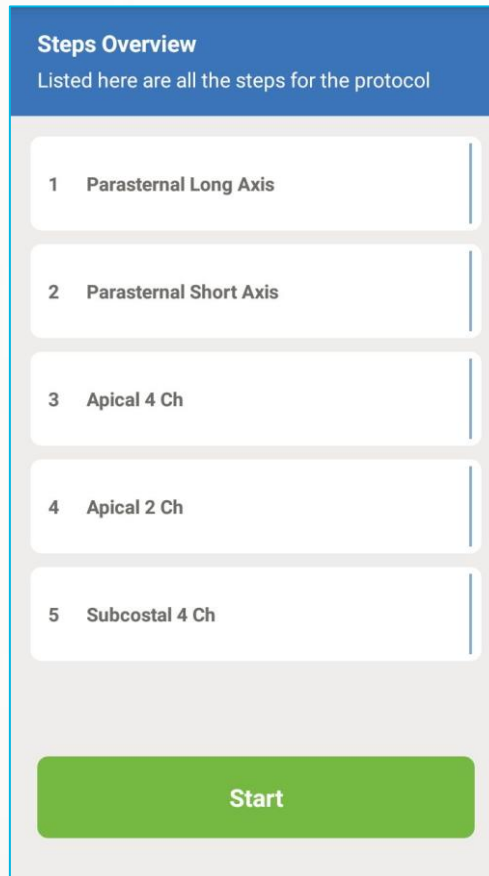
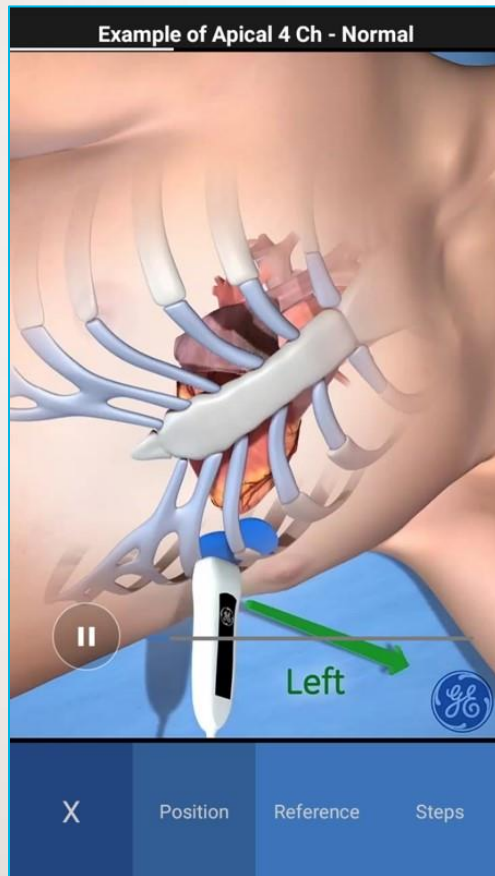
The Scan Coach app for Focused Assessment Transthoracic Echo (FATE) provides a protocol of standard ultrasound imaging views and context-based referenced materials to perform a systematic FATE exam.

[Preview the app](#)

[Preview more apps](#)



# Scan Coach FCU\*



The Scan Coach module for Focused Cardiac Ultrasound (FCU) evaluation provides a protocol of standard ultrasound imaging views and context-based reference materials to perform a systematic evaluation of the heart.

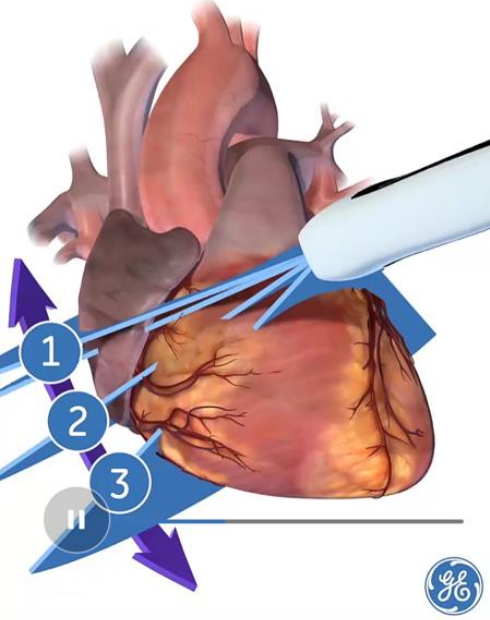
[Preview the app](#)

[Preview more apps](#)



# Scan Coach RHD\*

**Example of PSAX - AoV, MV, Pap muscles - Nor...**



**Steps Overview**  
Listed here are all the steps for the protocol

- 1 Parasternal Long - 2D
- 2 Parasternal Long - M V thickness
- 3 Parasternal Long - Color
- 4 Parasternal Long - MR jet length
- 5 Parasternal Long - AR jet length
- 6 Parasternal Short - 2D

**Start**

X Position Reference Steps

The Scan Coach module for Rheumatic Heart Disease (RHD) evaluation provides a protocol to help you obtain images and data to assess the presence of RHD disease in the path to determining treatment options.

[Preview the app](#)

[Preview more apps](#)





# Screen Mirror\*



The user can choose from a list of wireless displays in the vicinity, initiate a connection, mirror the screen and disconnect from the wireless display.

Once connected, the content of the Vscan Extend's screen is mirrored on to the display.

Mirror the display of the Vscan Extend™ onto a wireless display via Miracast™.<sup>1</sup>

Share and collaborate with other healthcare providers and patients.

[Preview the app](#)

[Preview more apps](#)

\* Available at no cost

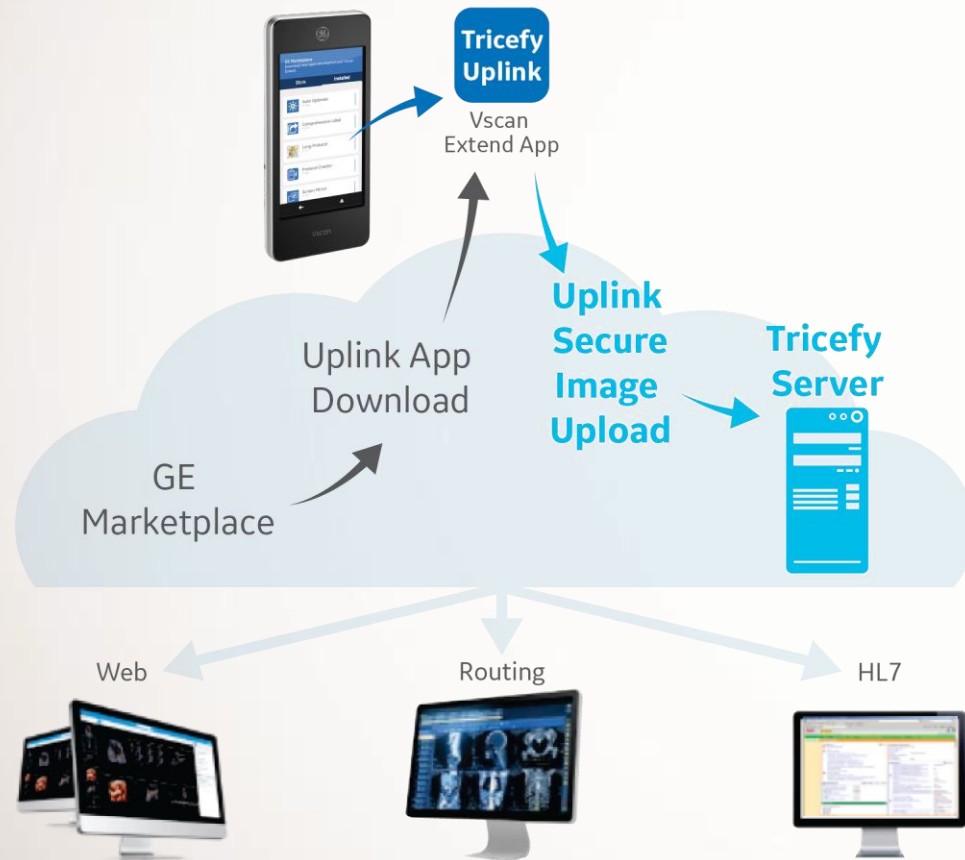
1. Screen Mirror app can connect displays which are Miracast-certified. For displays that do not have a built-in Miracast support, adapters (dongles) that plug into the HDMI ports can be purchased separately. There is no need for an internet connection, as the Miracast employs peer-to-peer Wi-Fi Direct® standard.

Vscan Extend is a trademark of General Electric Company.  
Miracast and Wi-Fi Direct are trademarks of Wi-Fi Alliance.



# Tricefy™ Uplink\*

Supports easy export of selected images, videos or exams to Tricefy



**Archive** studies securely and view from anywhere at anytime.

**Collaborate** with referring physicians, colleagues and experts immediately.

**Share** images and clips instantly using secure links with your patients.

[Preview the app](#)

[Preview more apps](#)



\* App available at no cost. Subscription fee necessary.

Trice Imaging bears sole responsibility for the Tricefy Uplink app and Tricefy cloud solution.

Tricefy is a trademark of Trice Imaging, Inc.



# Vscan Extend™ com Sonda Dupla

## Guia de Referência de Indicações

### Transdutor de profundidade

O Vscan Extend com Sonda Dupla é indicado para geração de imagens de ultrassom, medição e análise do corpo humano em aplicações clínicas que incluem...

APLICAÇÃO LIBERADA	ANATOMIA	AVLIAÇÃO
Ultrassom abdominal (adulto e pediátrico)	<ul style="list-style-type: none"> <li>• Aorta</li> <li>• Vesícula biliar</li> <li>• Rim</li> <li>• Fígado</li> <li>• Baço</li> </ul>	<ul style="list-style-type: none"> <li>• Aneurisma de aorta</li> <li>• Cálculo biliar</li> <li>• Fluido ou cálculos renais</li> <li>• Hepatomegalia</li> <li>• Esplenomegalia</li> <li>• Fluido peritoneal</li> </ul>
Ultrassom urológico (adulto e pediátrico)	<ul style="list-style-type: none"> <li>• Bexiga urinária</li> <li>• Rim/ureter</li> </ul>	<ul style="list-style-type: none"> <li>• Disfunção da bexiga</li> <li>• Obstrução pós-renal</li> <li>• Volume da bexiga pré e pós</li> </ul>
Ultrassom cardíaco (adulto e pediátrico)	<ul style="list-style-type: none"> <li>• Função ventricular esquerda</li> <li>• Parede do septo do miocárdio</li> <li>• Veia cava inferior</li> <li>• Função da válvula mitral</li> <li>• Função da válvula aórtica</li> <li>• Pericárdio</li> </ul>	<ul style="list-style-type: none"> <li>• Disfunção ventricular esquerda</li> <li>• Hipertrofia ventricular esquerda</li> <li>• Dilatação</li> <li>• Válvula aberta e fechada</li> <li>• Fluido pericárdico</li> </ul>
Fetal/obstetrícia e ginecologia	<ul style="list-style-type: none"> <li>• Posição fetal</li> <li>• Batimento cardíaco fetal</li> <li>• Fluido Amniótico</li> <li>• Placenta</li> <li>• Útero</li> </ul>	<ul style="list-style-type: none"> <li>• Apresentação pélvica</li> <li>• Visualizar movimento do coração</li> <li>• Níveis de fluido</li> <li>• Posição</li> <li>• Miomas</li> </ul>
Ultrassom torácico/pulmonar (adulto e pediátrico)	<ul style="list-style-type: none"> <li>• Linhas A, B, E</li> <li>• Deslizamento pulmonar</li> <li>• Ponto pulmonar</li> </ul>	<ul style="list-style-type: none"> <li>• Derrame pleural</li> <li>• Lesão pulmonar aguda incluindo pneumotórax ou hemotórax</li> <li>• Intersticial alveolar</li> <li>• Consolidação pulmonar               <ul style="list-style-type: none"> <li>– Pneumonia ou pneumonite</li> <li>– Fibrose pulmonar</li> </ul> </li> <li>• Síndrome da dificuldade respiratória aguda</li> </ul>
Cefálico	<ul style="list-style-type: none"> <li>• Vasos cerebrais</li> </ul>	<ul style="list-style-type: none"> <li>• Fluxo</li> </ul>
Orientação do procedimento	<ul style="list-style-type: none"> <li>• Coração</li> <li>• Pulmão</li> <li>• Abdômen</li> <li>• Útero</li> <li>• Tórax</li> </ul>	<ul style="list-style-type: none"> <li>• Detecção de fluido incluindo: pericárdio, pleural, peritoneal, amniótico</li> <li>• Procedimentos: toracocentese, pericardiocentese, paracentese e amniocentese</li> </ul>



## Transdutor de superfície

O Vscan Extend com Sonda Dupla é indicado para geração de imagens de ultrassom, medição e análise do corpo humano em aplicações clínicas que incluem...

APLICAÇÃO LIBERADA	ANATOMIA	AVALIAÇÃO
Vascular periférica	<ul style="list-style-type: none"><li>• Veias incluindo os seguintes exemplos: femoral/safena/poplíteia/basílica, braquiocefálica/jugular</li><li>• Artérias incluindo os seguintes exemplos: carótida/subclávia/femoral/poplíteia/braquial/radial, vertebral</li></ul>	<ul style="list-style-type: none"><li>• Trombose venosa profunda</li><li>• Aterosclerose</li><li>• Síndrome do roubo da subclávia</li></ul>
Ultrassom torácico/pulmonar	<ul style="list-style-type: none"><li>• Linhas A, B, E</li><li>• Deslizamento pulmonar</li><li>• Ponto pulmonar</li></ul>	<ul style="list-style-type: none"><li>• Derrame pleural</li><li>• Lesão pulmonar aguda incluindo pneumotórax ou hemotórax</li><li>• Intersticial alveolar</li><li>• Consolidação pulmonar<ul style="list-style-type: none"><li>– Pneumonia ou pneumonite</li><li>– Fibrose pulmonar</li></ul></li><li>• Síndrome da dificuldade respiratória aguda</li></ul>
Órgãos pequenos	<ul style="list-style-type: none"><li>• Tireoide</li></ul>	<ul style="list-style-type: none"><li>• Cisto/massa</li><li>• Fluido</li></ul>
Musculoesquelético (convencional)	<ul style="list-style-type: none"><li>• Articulações do quadril/joelho</li><li>• Fêmur</li><li>• Úmero/cotovelo</li><li>• Tíbia/fíbula</li><li>• Raio/ulna</li></ul>	<ul style="list-style-type: none"><li>• Fluido</li><li>• Cisto/massa</li><li>• Fratura de osso longo</li></ul>
Orientação do procedimento	<ul style="list-style-type: none"><li>• Jugular</li><li>• Subclávia</li><li>• Braquial/basílica</li><li>• Femoral</li></ul>	<ul style="list-style-type: none"><li>• Procedimentos: toracocentese, linha central, linhas periféricas</li><li>• Auxiliar a inserção e monitorar a posição dos tubos/cateteres torácicos</li><li>• Detecção de fluido</li></ul>
Oftálmico*	<ul style="list-style-type: none"><li>• Bainha do nervo óptico</li><li>• Retina</li></ul>	<ul style="list-style-type: none"><li>• Hemorragia vítrea</li><li>• Descolamento da retina</li></ul>

### Imagination at work

www.gehealthcare.com. O produto pode não estar disponível em todos os países e regiões. Entre em contato com um representante da GE Healthcare para obter mais informações. Os produtos / tecnologias podem estar com nome fantasia distinto do aprovado, sua comercialização ocorrerá sob o nome registrado.

Dados sujeitos a alterações.

© 2022 General Electric Company.

GE, o GE Monogram, imagination at work, e Vscan Extend são marcas comerciais da General Electric Company.

A reprodução sob qualquer forma é proibida sem a permissão prévia por escrito da GE. Nada neste material deve ser utilizado para diagnosticar ou tratar qualquer doença ou condição. Os leitores devem consultar um profissional de saúde.

3004 2525 capitais e regiões metropolitanas | 08000 165 799 demais localidades | gehealthcare.com.br

JB01135BR

