



ContextVision

ULTRASOUND 2D/3D/4D

# Intelligent imaging



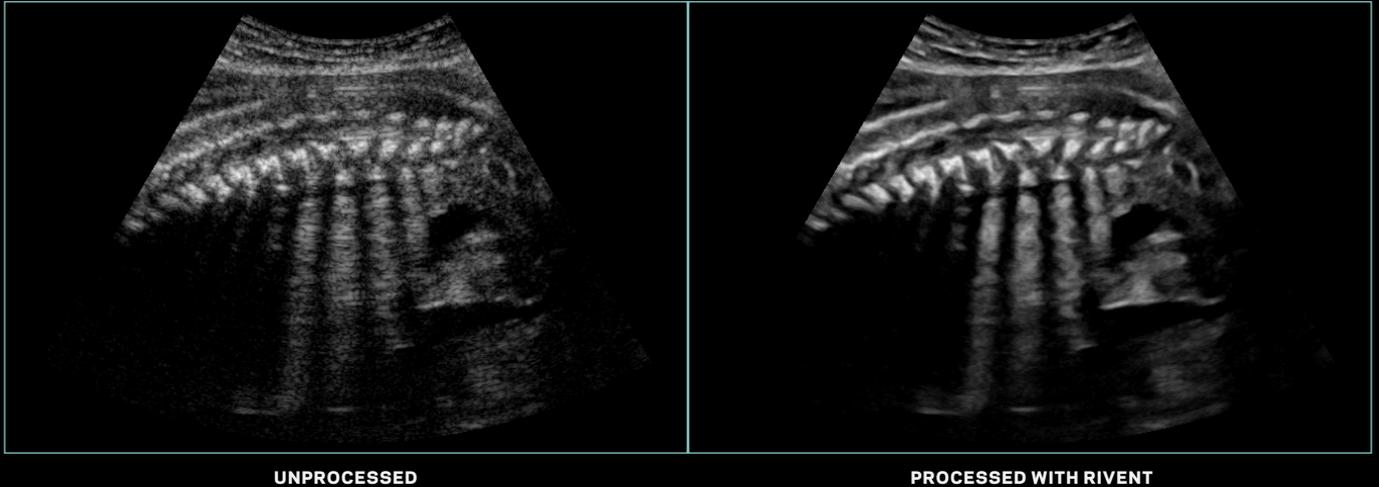
**Trusted** in more  
than 350,000  
systems worldwide

## PRODUCT OVERVIEW

ULTRASOUND 2D		ULTRASOUND 3D/4D	
<b>Rivent/Rivent Plus</b>	page 4	<b>Rivent 3D</b>	page 8
<b>Rivent Mobile</b>	page 7		

For more information, please visit [www.contextvision.com](http://www.contextvision.com) 

## Fetal spine



# At the forefront of ultrasound imaging

ContextVision gives you world-leading image quality while providing clinicians with the greatest **diagnostic confidence**. Discover our portfolio for 2D/3D/4D ultrasound – based on the **latest advances** in image enhancement, and designed for both you and your end users.

**All of our ultrasound products** provide true, adaptive image enhancement in real time, thanks to highly intelligent algorithms that analyze every pixel/voxel in its context, frame by frame. These algorithms draw on the latest technology to distinguish and enhance true clinical information, while simultaneously suppressing noise and other artifacts. The results? Unrivaled image quality, powerful performance – and maximum diagnostic confidence.

**Designed for seamless integration** with all types of ultrasound systems and applications – as well as easy customization to individual preferences – each product allows for superior flexibility and a tailored user experience.

**ContextVision offers you** a leading position in ultrasound, through continuous development and innovative technology – today and tomorrow.

# Rivent™ / Rivent™ Plus

## Unparalleled image quality – maximum flexibility

Addressing increasing demands for stronger processing – with **no compromise** on maintained tissue information – Rivent provides maximum flexibility for customization to all preferences.

Rivent Plus goes above and beyond what a great ultrasound image can be. Its signature “MRI look” provides **razor-sharp edges** between observed structures and high tissue homogeneity.

### Cardiac



UNPROCESSED

TWO DIFFERENT PROCESSING EXAMPLES

## The 7th generation of world-leading image enhancement for 2D ultrasound

### FEATURES & BENEFITS

- Well-defined borders
- Highly efficient noise reduction enabling smooth, homogenous tissue with enhanced contrast and detail resolution
- Clear tissue differentiation
- Great depth perception
- Improved, reliable black areas
- “MRI look” (Rivent Plus exclusive)
- Compensation for vertical information loss (Rivent Plus exclusive)

### NEW API FUNCTIONS

- Automatic adaption to varying resolution, e.g. line density or acoustic zoom
- Optimized image quality in near and far field simultaneously

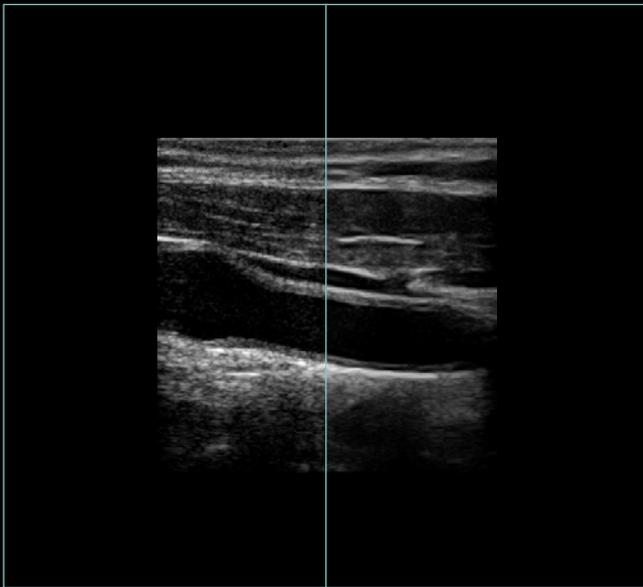
### PLATFORMS

- Available on GPU
- Supported platforms: Windows and Linux

### Designed for all systems and applications

Rivent brings unparalleled image quality to all types of ultrasound systems, and is designed to meet the needs of all clinical application areas.

#### Carotid



UNPROCESSED

PROCESSED

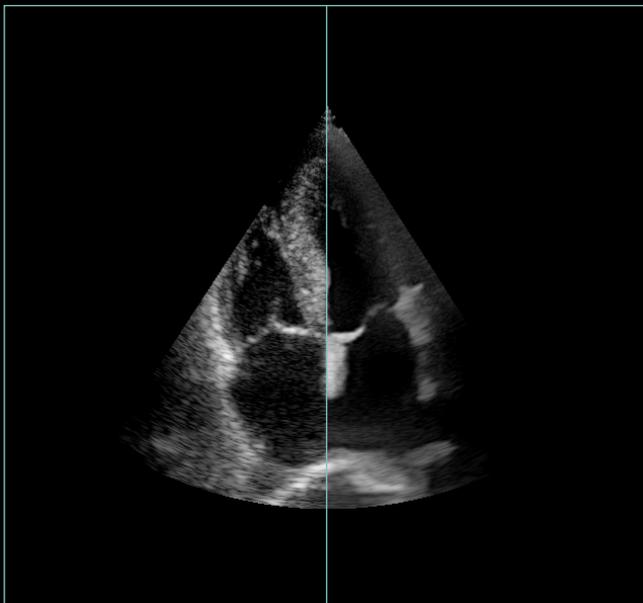
#### Liver



UNPROCESSED

PROCESSED

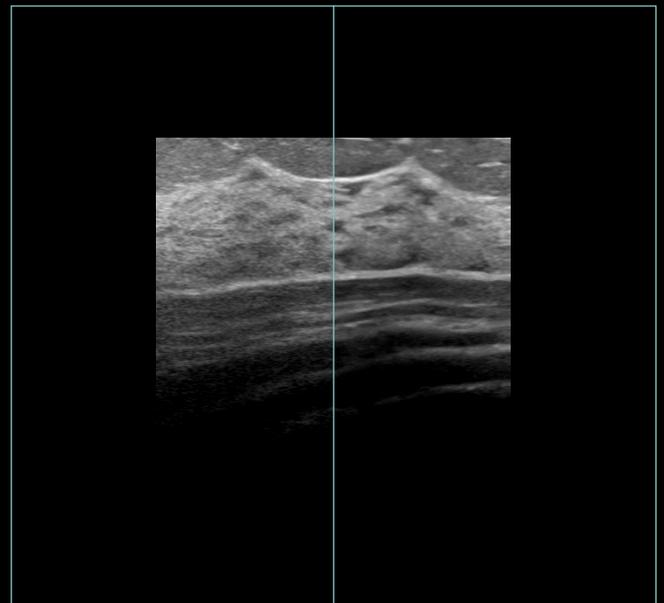
#### Cardiac



UNPROCESSED

PROCESSED

#### Breast



UNPROCESSED

PROCESSED

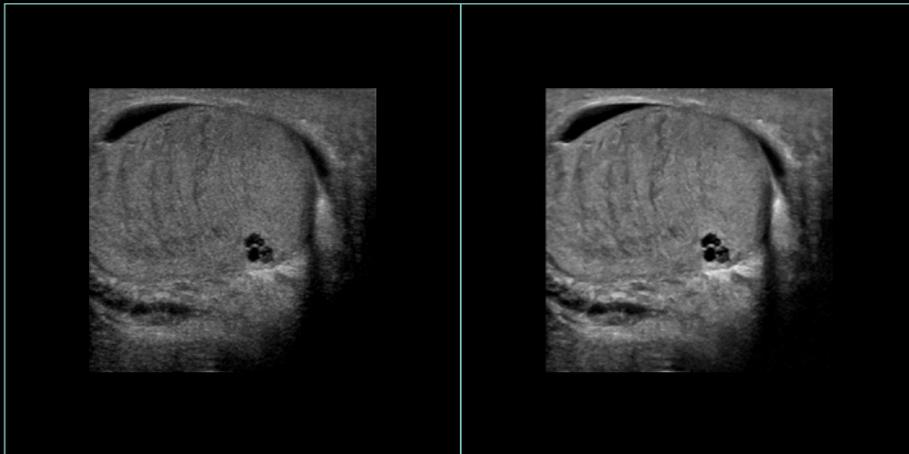
### Maximum flexibility for all preferences

#### Pancreas



EXAMPLES OF PROCESSING

#### Testis



UNPROCESSED

PROCESSED

## Rivent™

- Powerful processing while maintaining tissue information
- Unparalleled noise suppression
- Customizable for all systems, applications and image preferences

## Rivent™ Plus

- Signature "MRI look"
- Powerful processing while maintaining tissue information
- Truly black vessels and homogenous tissue

# OEM Tuning Interface

## For optimal precision in every situation

Allows OEMs to fine tune image parameter files delivered by ContextVision, and create/save new parameter files.

## **NEW!** Rivent™ Mobile

### A tailored handheld experience

Rivent Mobile builds on our **broad experience** in enhancing ultrasound image quality and **deeply investigating** the mobile diagnostics market. Our solution has features tailored to the handheld units and their users' needs, resulting in excellent image quality.

#### FEATURES & BENEFITS

- State-of-the-art image enhancement for handheld ultrasound
- Powerful noise suppression
- Enhanced contrast and detail resolution
- Optimized image quality in near and far field simultaneously

#### PLATFORMS

- Supported on iOS/Android/Windows platforms

# NEW! Rivent™ 3D

## Clarity close to reality

Rivent 3D combines the benefits of **volumetric processing** with unique capabilities to **process images powerfully** while maintaining a natural appearance. By analyzing data in all dimensions Rivent 3D takes image quality to **a level beyond** conventional 2D enhancement technology.

## Clean and accurate surface rendering with Rivent 3D



UNPROCESSED

PROCESSED WITH RIVENT 3D

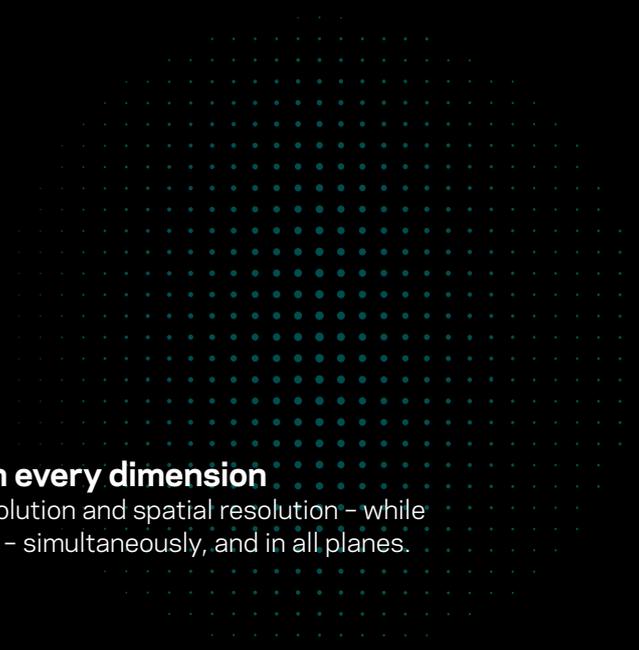
### FEATURES & BENEFITS

- Full 3D contextual analysis of each voxel in real time
- Optimized image quality in both rendering and MPR views
- Intelligent noise reduction reveals "hidden" information by using data from all dimensions
- Excellent edge and contrast enhancement
- Advanced homogeneity filtering
- Dedicated near and far field filtering

- Customized for different rendering and visualization techniques
- High visibility in deep tissue
- Structures in all dimensions are clearly visible in arbitrary planes

### PLATFORMS

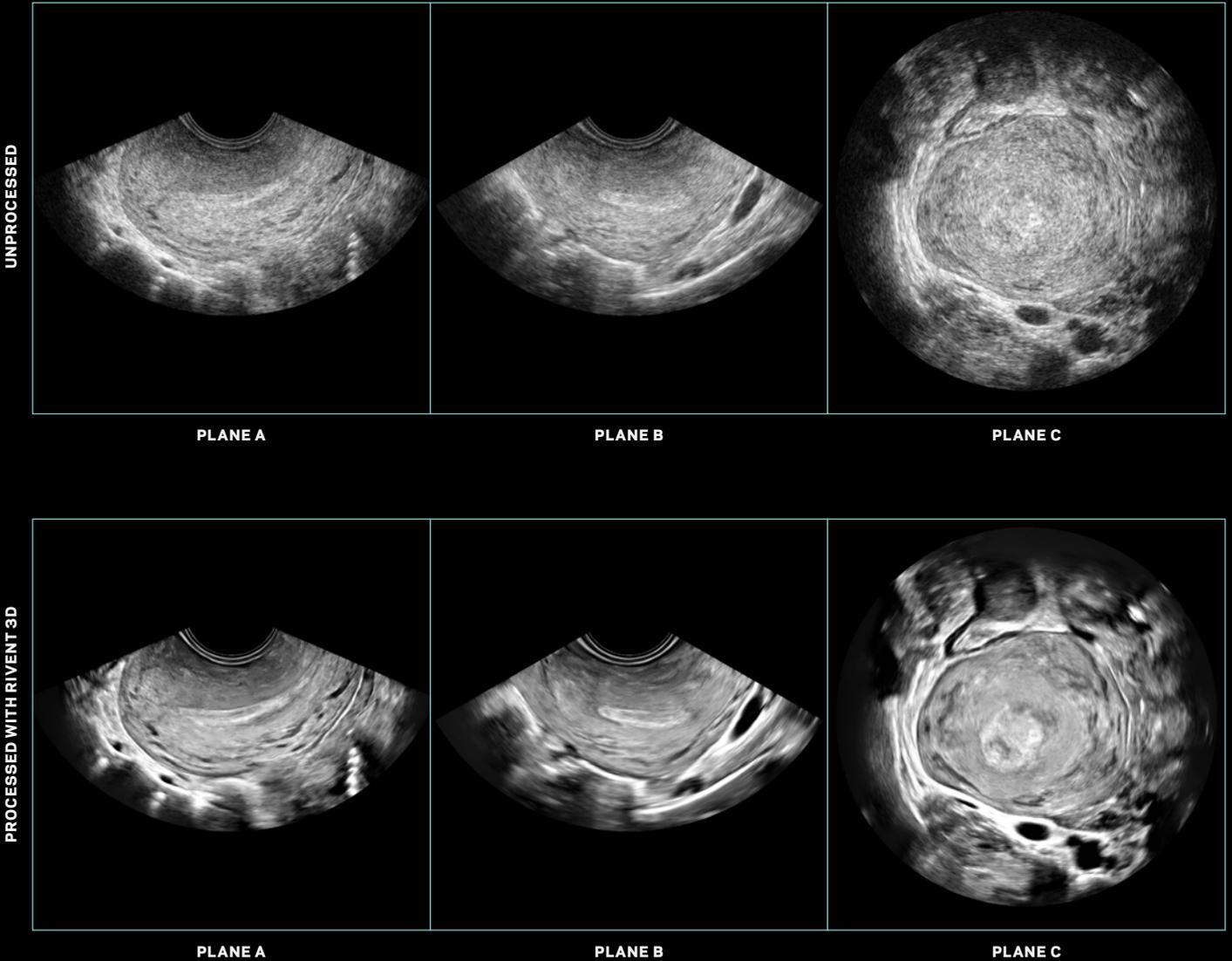
- Available on GPU
- Supported platforms: Windows and Linux



### Superior visualization in every dimension

Rivent 3D increases detail resolution and spatial resolution – while decreasing noise and artifacts – simultaneously, and in all planes.

### Uterus



# Building **strong** partnerships

**We offer you more** than 35 years of experience in medical imaging through state-of-the-art products and professional support.

**With a versatile and configurable** design, ContextVision's products can be customized to all needs regarding clinical applications and customer preferences.

**All ContextVision products** are designed for seamless integration. The products are delivered as an SDK containing a .dll file together with parameter files (XML files). The parameter files control the settings of the image features of the algorithms.

**With our continuous development** and innovative technology, a partnership with ContextVision offers you a leading position in ultrasound – today and tomorrow.

**Contact ContextVision for more information** about the best solution for your needs and visit our website at [www.contextvision.com](http://www.contextvision.com).



I meet up to 30 patients every day and I want to provide the best possible care for all of them. High quality images contain the answers I need for accurate diagnoses and individually tailored treatments.

**Peter Jansson, MD Radiology**  
Praktikertjänst Clinic  
Stockholm Sweden

Let's improve  
image quality –  
**together.**



**ContextVision**

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ContextVision is a medical technology software company specialized in image analysis and artificial intelligence. As the global market leader within image enhancement, we are a trusted partner to leading manufacturers of ultrasound, X-ray and MRI equipment around the world.

Our expertise is to develop powerful software products, based on proprietary technology and artificial intelligence for image-based applications. Our cutting-edge technology helps clinicians accurately interpret medical images, a crucial foundation for better diagnosis and treatment.

The company, established in 1983, is based in Sweden with local representation in the U.S., Japan, China and Korea. ContextVision is listed on the Oslo Stock Exchange under the ticker CONTX.

For more information, please visit [www.contextvision.com](http://www.contextvision.com) →