



# VULCAN Overview

Healthcare delivery through augmented reality

[www.tienovix.com](http://www.tienovix.com)

# *What is VULCAN™ ?*

VULCAN™ is a suite of patented and proprietary human-machine interface systems that enable real-time guidance, diagnostics, remote monitoring, and data acquisition & retention through augmented reality.



# A World in Need of Real-time Medical Access

In the midst of the novel coronavirus pandemic, medical facilities across the globe have seen record numbers of hospitalization. As the world holds its breath in anticipation of a vaccine, domestic cases continue to rise, and a growing list of grievances is becoming ever more pressing:

- Over-crowded hospitals
- Shorthanded medical staff
- Inaccessible care
- Lack of medical resources
- Increasing healthcare costs
- Personal safety concerns

The CDC has estimated 41%-42% of all U.S. adults avoided or delayed seeking medical care due to concerns related to COVID-19, including 12% who reported avoiding emergency care.

## Solution:

Integrate augmented reality with telemedicine and sonography through mobile, multipurpose ultrasound devices and real-time guidance.

Introducing **VULCAN Connect™** & **VULCAN Live-Display™**



# VULCAN Connect™

## *Revolutionizing Modern Medicine with Teleguidance*

VULCAN Connect™ is a multifaceted remote telemedicine solution purposed for the preservation of the human condition. VULCAN Connect™ brings teleguidance to paramedics, nurses and other medical personnel where remote expert physicians can synchronously guide and provide live diagnosis. Device operators utilize augmented reality to share their first-person view with expert medical professionals from anywhere around the world, allowing such experts to provide real-time guidance and patient analysis.



# VULCAN Live-Display™

*Performing More Ultrasounds  
Safely Through Augmented  
Reality*

VULCAN Live-Display™ allows a sonographer to view the ultrasound image produced by the underlying ultrasound device through VULCAN Connect™. The user is then able to simultaneously see the patient and sonogram while performing ultrasound procedures, including ultrasound guided procedures where safety and accuracy are paramount for patients' safety and well-being.



# VULCAN Connect™ & VULCAN Live-Display™



## Features:

- Live first-person view
- Remote assistance from anywhere in the world
- HIPAA compliant
- FDA compliant cloud
- Ability to annotate, draw, and take notes in real-time
- Image and file sharing in real-time
- Image and video recording

# VULCAN Connect™ & VULCAN Live-Display™

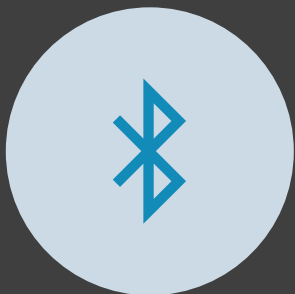
## Unique Benefits:



The offsite expert physician can draw on patients and surfaces within the mixed reality space, allowing the physician to clearly instruct the user.



The offsite expert physician can share images and files such as patient medical records or operational guidelines with the operator. The operator can view these images and files while remaining in video conference.

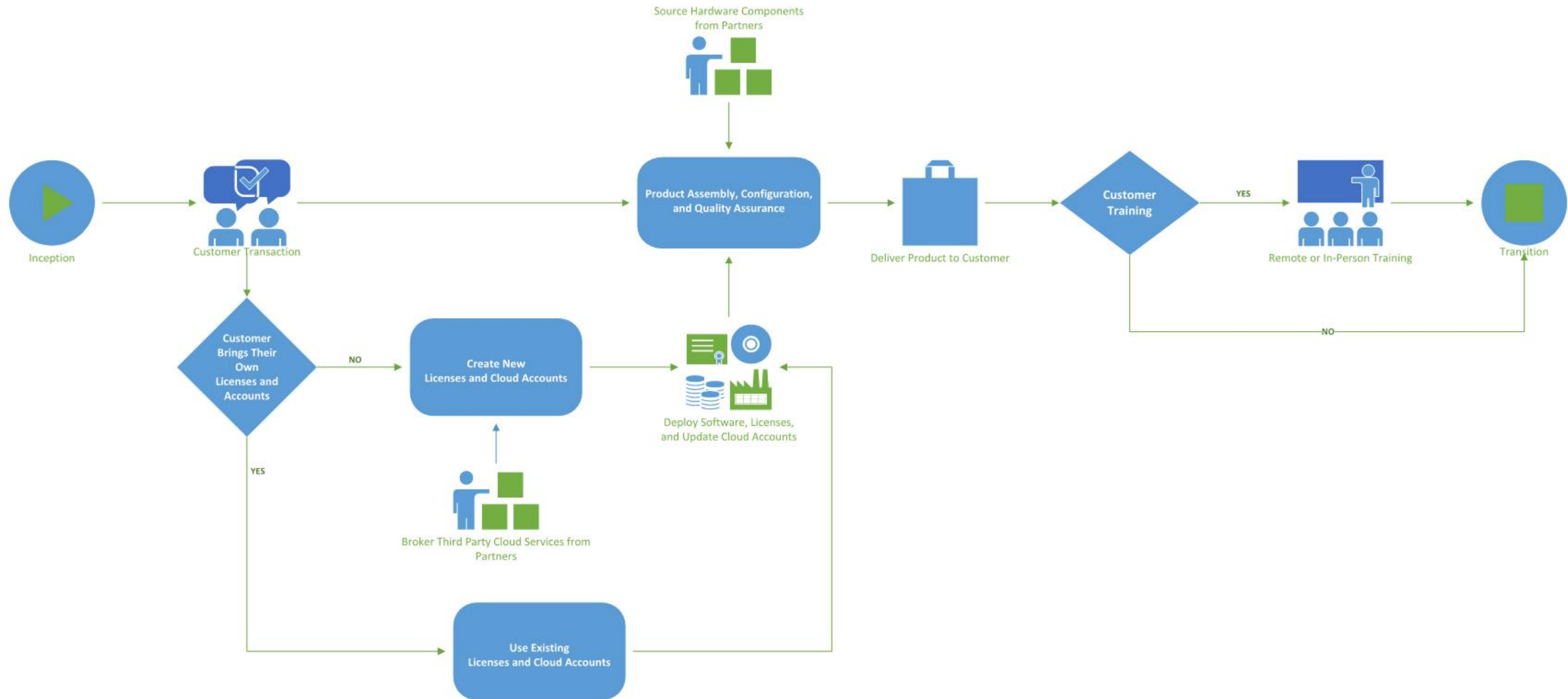


Integrates with Bluetooth and/or wired compatible devices. Currently, VULCAN™ is a proud partner and distributor of Clarius Ultrasound multipurpose scanners. Paired with Clarius scanners, VULCAN Live-Display™ allows for the safe and efficient performance of ultrasound procedures.



Allows for the capture of video and images, which can be saved and/or shared with offsite physicians for a myriad of purposes, such as training or review.

# VULCAN™ Deployment to Customers





***VULCAN™ is FDA registered as Class I, 510(k) exempt medical device (Registration # 3016544222)***



***Let's discuss next steps!***

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