



**PHILIPS**

Image guided therapy

Zenition Series

StentBoost Mobile

# StentBoost Mobile

First stent visualization software for mobile C-arms

Expand your clinical capabilities with StentBoost Mobile - enhanced stent visualization interventional application (iApp)

Endovascular stenting is widely used to treat vascular diseases. However, improper stent placement is still a key factor leading to restenosis and revision surgeries. Devices with extremely thin struts or less radio opaque stents, for example, can be challenging to visualize with conventional imaging technologies.

Introducing Philips StentBoost Mobile, the first dedicated stent visualization software for the mobile C-arm segment that works seamlessly with the Zenition Series. StentBoost Mobile is simple, fast and cost-effective. It delivers an enhanced image of the stent during positioning and deployment to aid appropriate decision making during endovascular treatment.

## Key benefits

StentBoost Mobile:

- Enhances stent visualization to support precise stent placement and deployment
- Subtract enables fine control of positioning by visualizing the stent in relation to the vessel wall
- Images are available in seconds to support fast decision making

# Supports vascular procedures performed on Zenition mobile C-arms

StentBoost Mobile is designed to enhance stent visualization during percutaneous transluminal angioplasty performed with Zenition mobile C-arms. The range of diseases treated can include peripheral artery disease (PAD), critical limb ischemia (CLI), superficial femoral artery, infra-popliteal, crural, iliac and renal artery stenosis or occlusion.

## Enhances stent visualization

The technology of StentBoost Mobile enhances the stent visualization. This image displayed is automatically adapted to provide an optimal view, but you can also manually adjust the contrast and brightness to your preferences. The high-fidelity visualization shows fine details of stent struts, and thinner and drug-eluting stents

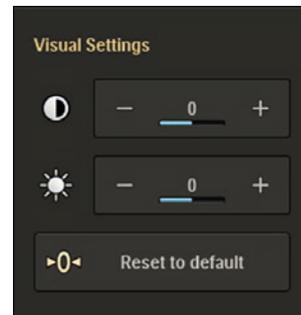
at the time of placement. By seeing the status of the stent you've just positioned with excellent clarity, you can make appropriate decisions about re-positioning, post-dilation, or additional interventions, while the patient is still on the table and the catheter is still in place.



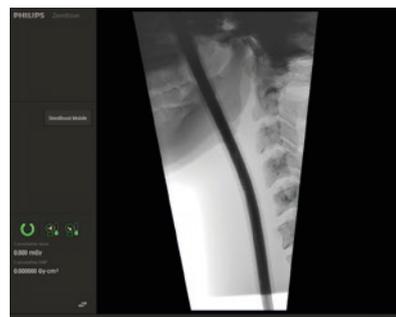
Pre StentBoost



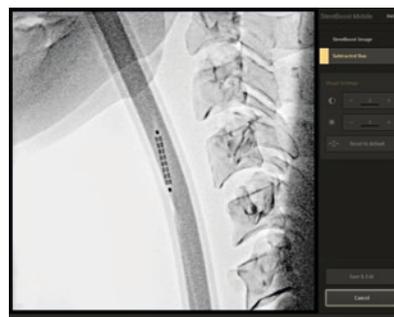
Post StentBoost



Contrast Brightness



Pre Subtract Run



Post Subtract Run

## Subtraction feature expands assessment capabilities

StentBoost Mobile offers an additional subtraction feature, which expands your assessment capabilities during procedures. The subtraction feature visualizes the enhanced stent image in relation to the vessel wall to support precise pre- and post-stent deployment. This image allows enhanced positioning, especially critical during bifurcation and ostial stenting. It also enables fine control of pre-dilation, stent expansion, and post-dilation. The subtracted StentBoost Mobile image can be used as a roadmap on previous images, reducing the amount of contrast medium used during procedures.



## Saves time

StentBoost Mobile is a non-invasive stent visualization application that has no impact on operational costs or your way of working. It is an excellent option when a quick result is required. Potential problems such as imperfect positioning or under-deployment can be corrected immediately. Being able to work more decisively can contribute to faster procedure times.

To help save time during procedures, StentBoost Mobile automatically detects stent markers. You can also manually select the specific region of interest (ROI) you would like to enhance with the stent markers. This can be handy when placing multiple stents, working around stents from prior procedures or long stents with multiple markers. The default ROI used is the largest possible ROI from the center of the image. The ROI used to generate the StentBoost Mobile image can also be used for the corresponding enhanced subtraction run, reducing additional steps in the process.

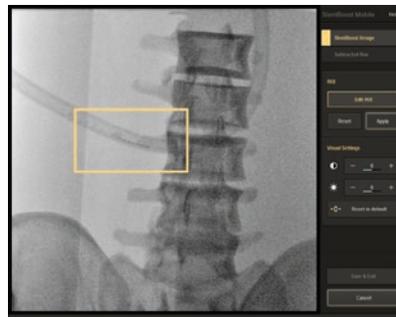
## Saves money

Compared to other invasive imaging techniques that require expensive consumables, StentBoost Mobile offers very good value for money. Simply press a button and you immediately see an exceptional image directly on your screen. By helping you identify and correct potential problems in stent placement before the patient leaves the treatment room, StentBoost Mobile can eliminate the need for additional procedures and prolonged hospital stays.

## Clinical education solutions

Philips Healthcare Education can help unlock the full potential of your staff, technology and organization to meet new challenges through innovative, meaningful and evidence-based healthcare education. Our comprehensive, clinically relevant courses, programs, and learning paths are designed to help you improve operational efficiency and enhance patient care.

We are pleased to offer e-learning module focusing on the Philips StentBoost Mobile.



Pre ROI



Post ROI



The Touch screen module (TSM) is designed to deliver value by enhancing the clinical capabilities of Zenition 70. As an addition to the Zenition 70 platform, the TSM can contribute to increased surgeon table-side control during procedures.

## Clinical situations where **enhanced stent visualization is needed**

- Post-dilation to facilitate correct apposition and proper stent expansion
- To avoid complications in ostial stenting
- To enhance visualization of neo-carina in bifurcation stenting
- To facilitate proper coverage of overlapping stents and adequate post-dilation
- To predict potential response to adequately prepare predilation of the Stent.

### Based on proven Philips technology

StentBoost is used in over 1,000 facilities worldwide and has been widely published in scientific articles.

StentBoost Mobile is compatible with Zenition Series Mobile C-arms.



Please contact your Philips representative for local availability of Philips StentBoost Mobile.

TSM is available as an option on Zenition 70 only.

© 2021 Koninklijke Philips N.V. All rights reserved.

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

4522 991 66481 \* APR 2021