

# Image Cube for Mobile Breast Screening

## Image Transfer and Live NBSS for Mobile Breast Screening Vans

Visbion Image Cube has been successfully used by NHS Breast Screening Services across the country for many years. It is now installed in over 50 mobile and static units. The proven technology transforms the workflow for mobile screening by rapidly and securely transmitting images to the host hospital, as well as linking live NBSS and modality worklists.

### On each mobile scanning unit, Image Cube provides:

- ▶ Real time image transfer
- ▶ Virtual desktop and live NBSS
- ▶ Modality worklist
- ▶ Access to Web PACS (optional)
- ▶ Access to NHSmail (optional)



## Working Towards a Paperlight Environment

Image Cube streamlines the workflow of mobile breast screening units and helps the move away from using costly couriers to transfer data, to a more efficient paperlight system of working.

The automated image transfer ensures scanned images are available in the designated PACS, ready for reporting the next morning. Image Cube connects to NBSS, meaning that worklists are available and changes to appointments can be updated in real time.

## Fully Managed Service

For complete peace of mind, Visbion offers Image Cube for Breast Screening as a fully managed service with a 24 month minimum contract. Remote round-the-clock system monitoring ensures that any issues can be picked up by Visbion's experienced support engineers and resolved before they become a problem.

After the initial installation and set up fee, payment is quarterly for ease of budgeting. A variety of training options are available.

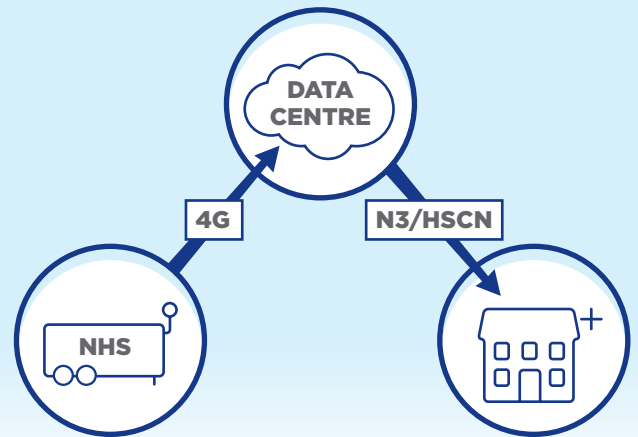
## Benefits of Image Cube for Mobile Breast Screening

- ▶ Eliminate hard disc, memory stick and paper wallet couriers
- ▶ Gives flexibility to the working day, allowing increased capacity
- ▶ Provides real time transfer of encrypted images and worklists using 4G
- ▶ Fully managed service including 24/7 remote monitoring and automatic reconfigurations
- ▶ Enabling paperlight workflow on mobile units, with direct access to NBSS
- ▶ Highly proven and referenceable solution. Now live in over 50 vans and static sites

## Image Cube Workflow

Image Cube receives images from the mammography unit in Dicom 3.0 format. It caches the images, compressing them in a lossless fashion and securely transmitting them in encrypted format to the Visbion data centre by 4G network, before sending onwards to the destination PACS via a secure N3/HSCN connection.

In addition, Image Cube can receive and forward Dicom Modality Worklist queries to enable the complete end-to-end workflow to be implemented.



## General Overview

- ▶ Receives images from any modality and transfers images to any PACS system
- ▶ Easily installed on any make of trailer
- ▶ Auto re-configuration at each new site
- ▶ Fully DICOM 3.0 compliant
- ▶ 5:1 lossless compression of images
- ▶ Encryption using Dicom TLS/SSI to ensure full patient confidentiality
- ▶ Dual SIM Card for roaming across networks
- ▶ On-board cache with auto-retry and auto-resume mechanism in case of network failures
- ▶ Ruggedised hardware and fully managed service with 24/7 system monitoring



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