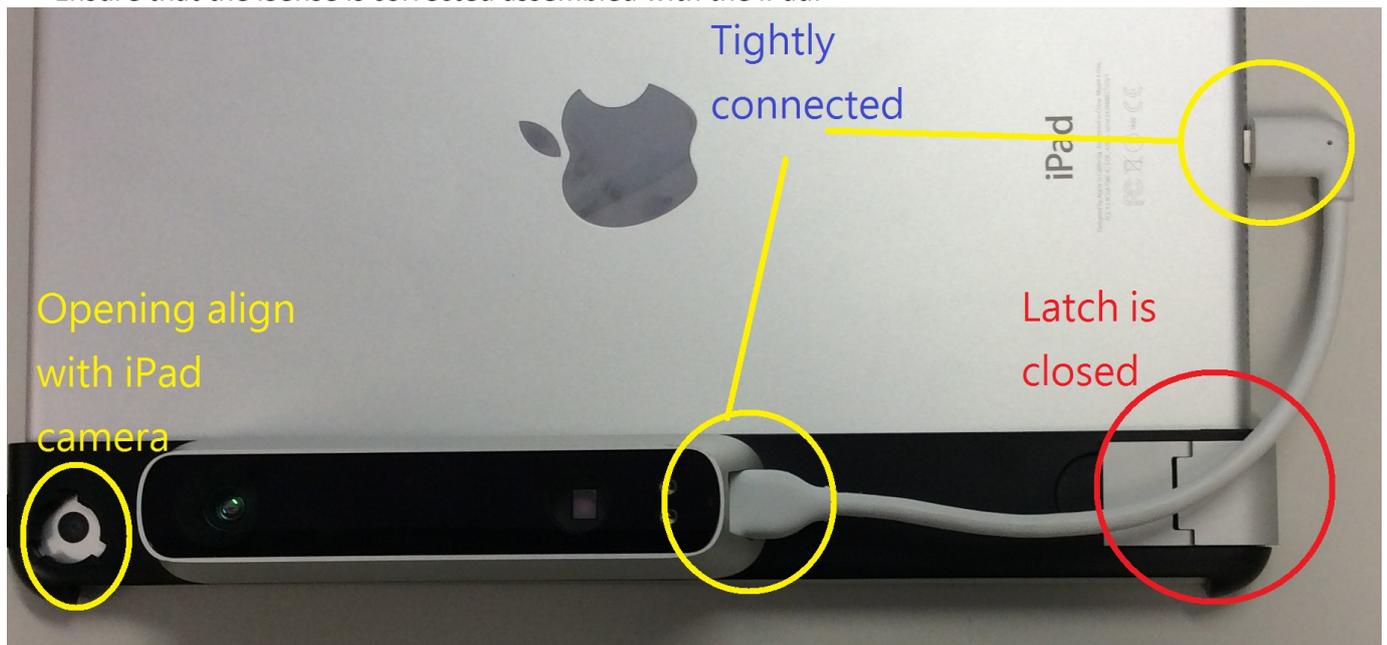# MDMF(CWB)
iSENSE – 3D SCANNING
OPERATION GUIDE

A. Hardware Setup
- Ensure that the iSense is corrected assembled with the iPad:

B. Object Preparation
- Difficult to scan:
  - ■ Black surfaces and Shiny surfaces.
  - ■ Intricate features (such as hairs, wires or fine features with similar details).
- General guidelines:
  - ■ Stand about 1 meter away from the object.
  - ■ Have a free access to 360-degree path around the object.
  - ■ For the best combination of scanning quality and ease of scanning, object needs to be:
    - ◆ Placed at a standard tabletop height.
    - ◆ Placed on a smooth and flat surface.
    - ◆ Placed indoor or outside of direct sunlight.

C. Launch Scanning Apps
- Wake up the iPad.
- Launch the scanning Apps "Scanner" by clicking on its icon:
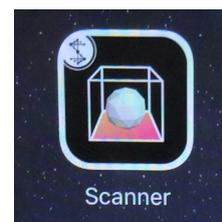
D. 3D Scanning
   - Click anywhere at the welcome screen of the launched "Scanner" Apps:

   - Positioning scan area cube:
      ■ Center the object within the transparent cube (with an orange bottom square):

      ■ If the cube is not at the right size for the object to be scanned, then the cube size can be adjusted by using the typical iPad "pinch" gesture:
         ◆ Push your thumbs together on your iPad screen to make the cube smaller
         ◆ pull them apart to make it bigger

   - Scanning:
      ■ Click the blue "Scan" round button to begin scanning:
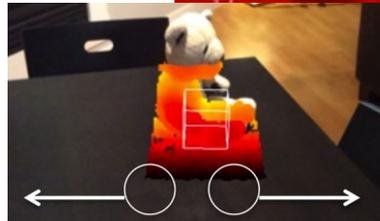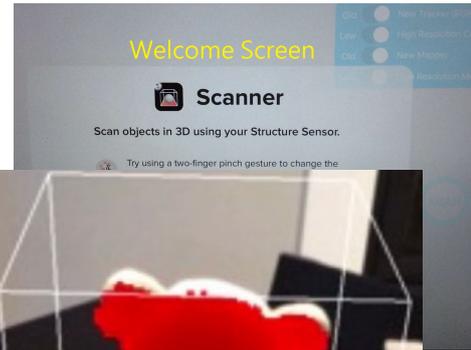
      ■ Once you have started, move around the object to capture it:
         ◆ If you notice that there is a hole in the model, then please go back during the same scan to see if the Scanner sample app can fill it in.
         ◆ If you have made a mistake during your scan, then press the reset button with the circular arrow on it to restart your scan.
      ■ Click the "Done" button when your scan is complete.
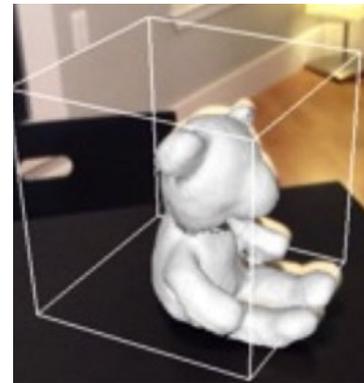
- Tracking Re-align:
    - If the Scanner Apps loses track of the object, a warning message will be displayed:
    - Try to rematch the scan to the object you are scanning to restart object tracking.
        - Move back to the last scanned position.
    - If that does not work, try your scan again.
    - If you consistently get object tracking errors during a scan of the same object, that object may not be suitable for scanning.

Warning message

Tracking lost! Realign or press Reset

REMARKS:
- For any assistance, please contact Mr. Chit Lai (2358.6832) / Mr. Terence Chan (2358.8676).