WHY (Reason to Build This Technology)

Compare to the retail and logistic market application, the warehouse workers need more sparing hands to implement their jobs by using data collecting devices. Generally observed, there are more and more warehouse and logistics industries tend to use 2D barcode scanners for their application nowadays.
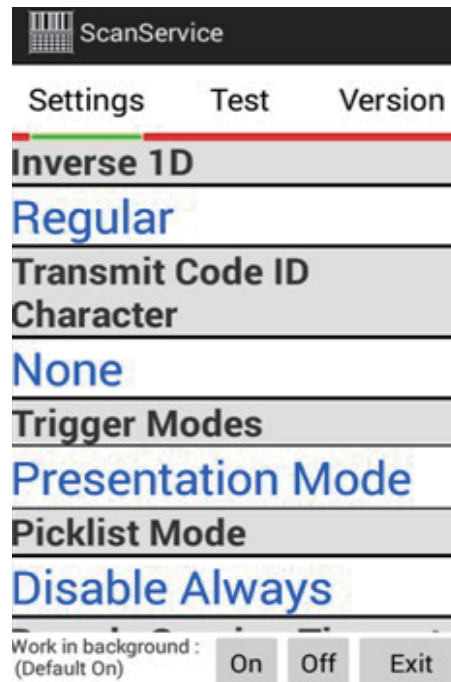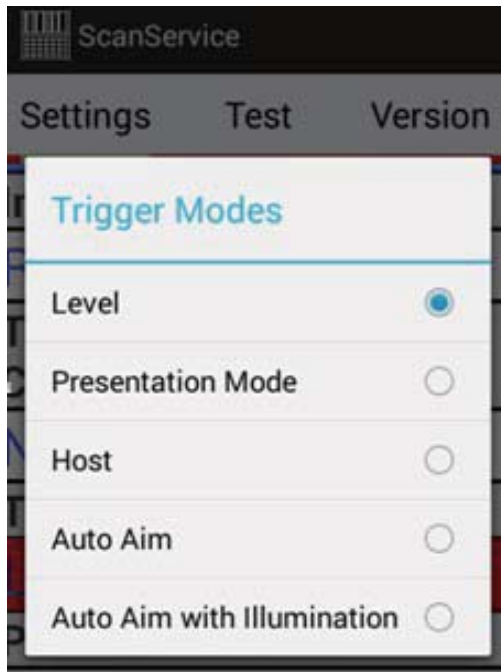
In order to solve the needs of the warehousing workers and easy to carry the inventory of goods with both hands, unitech has developed the so-called"Presentation mode"on all 2D barcode imager of mobile devices for barcode scanning sectors.

After working with many customers, unitech has figured out that our customers care about the process efficiency and productivity as well as the correct inventory. Usually, using the handheld device with barcode scan requires to operate by trigger scan keys in order to let the camera emit light for recognizing the barcodes. Workers must pick up the goods, operate fork lift as well as take the terminal then press key to scan at the same time. The entire process seems to be complicated and redundant, also it is not so efficient from a long-term view.

In particular, unitech cares about our customers'demand as in enlightened by the movie of iron man's arm weapon, the special feature of "Presentation Mode" has been created for all unitech mobile devices. The core design value in "Presentation Mode" is to determine that freely scan barcodes with convenience. unitech believes that this will create high values and productivity for the customers.

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HOW (Concept of This Technology)

To fulfill the customer's demands, unitech engineers apply the "Presentation Mode" into our application called" Scan Service". As long as the user enables the "Presentation Mode" before operating the barcode scan's feature, the program will call the barcode module to activate, and set the attributes as HANDSFREE MODE. HANDSFREE MODE is to enable the low level camera and assistance light device. Assist light is to monitor the movements whether objects moving in front of the imager.

After it is confirmed, the imager will activate the cross focus lens to do the barcode scanning, the imager will automatically return to motion detection mode after decoding.

WHAT (Case Study Benefits)

For unitech PA700 enterprise PDA, we let the warehouse workers use PA700 for real field tests. One is attaching PA700 on his arms and set on "Presentation Mode", and the other one is using PA700 in a traditional way by pressing the trigger key without "Presentation Mode". In this filed test, the worker 's device with "Presentation Mode" helped him hands free, no need to do redundant movements for checking goods, because when a working person raises his arm to let the imager camera detect the barcodes on any goods.The imager will scan them immediately. With the Presentation Mode, data collection makes the work easy, fast and more efficient.

In summary, using PA700 with the Presentation Mode increases the 50% productivity compared with none Presentation Mode. Therefore, unitech Presentation Mode not only helps customers to increase productivity, but for warehousing and logistics sectors will also be a good news in saving manpower costs , time and increasing the work efficiency.