

# Multi Decode Scan

## WHY (Reason to Build This Technology)

In unitech's experiences, customers always wish their workers needing to capture multiple barcodes on items. Traditionally, with a barcode scanner or PDA might scan barcodes each one at a time. That repetitive scans waste time and not efficient at all. Unitech hears the voice of customers, creating a feature that can increase the productivity, to let the scan barcode jobs become more efficient, speedy and more easy. With a single press of a scan button, unitech "Multi-decode scan" enable the simultaneous capture of all or specific barcodes on a single label — no more time wasted on repetitive scans. Flexible mix-and-match criteria enable the easy selection of the right barcodes.



## HOW (Concept of This Technology)

Workers can capture the multiple barcodes in a single scan. By using powerful mega pixels imager and advanced performance CPU – the unitech "Multi-decode" will pick the multiple barcodes at one time your workflow needs and allow you parse that information directly into your unitech devices.

The unitech "Multi-decode" is a set of productivity tool that enables workflow optimization in your data capture processes by enabling multiple barcodes of data to be captured and parsed directly into the unitech mobile devices in a single step.



How unitech scan service works to increase your worker's productivity?  
Here is a formula that we think to achieve the fantastic works:

**Megapixel scan engine + Excellent processor + Algorithm = Multi-decode scan.**

### Megapixel Engine

See more details in numeric comparison:

Old: 752X480 = 360,960

New: 1280X960 = **1,228,800 (Increased 3.4 times)**

### Excellent Processor

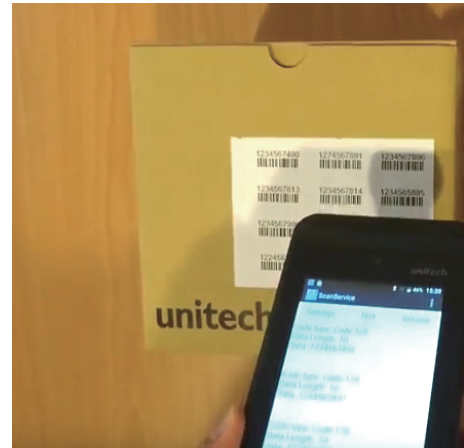
Large data, but faster.

Process more data in shorter time.

Quad Core 64 bits CPU

### Algorithm

Process all barcodes in one pic at the same time.

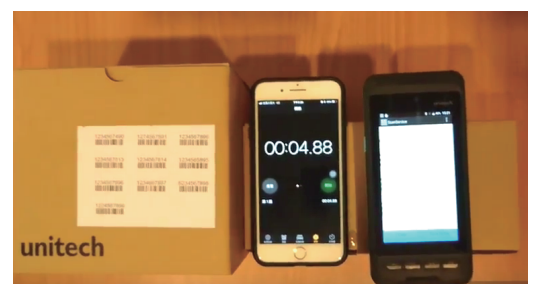


## WHAT (Case Study Benefits)

The unitech scan service has multi decode mode which allows you to scan all the bar codes promptly. It's the best way to enhance your work efficiency. From the benchmark test in the video of PA720 "Multi-decode scan" and normal scan mode, you will find out that in the single decode mode takes 17.31 seconds for each barcodes to scan. However, in the "Multi-decode scan" mode it takes only **4.88 seconds!** Obviously, the "Multi-decode scan" mode enhanced the productivity and increased the efficient in **354.71%!**

For further information, please refer to the video links here: <https://youtu.be/coJ6y0hqT9c>

Mode	Scan Time (Seconds)	Productivity
Single Decode Mode	17.31	100%
<b>Multi Decode Mode</b>	<b>4.88</b>	<b>354.71%</b>



**Note: "Multi-decode scan" supports models including PA720 / PA730 / PA726 / TB128.**