



# BIOMETRIC DEVICES

Finger position recommendations



# HOW TO GET THE BEST QUALITY

## › Acquisition needs to be done with extreme care to:

- get the best image quality
- increase recognition performance
- reduce recognition time

## › Then, it is highly recommended to:

- Maximize the contact between the fingerprint and the sensor
- Exert firm, but not excessive, finger pressure on the surface of the sensor
- Do not press too hard
- Do not slide nor roll the finger across the sensor
- Do not move the finger during acquisition
- Wait for the extinction of sensor backlight before removing the finger

# FINGERPRINT MOST USEFUL AREA

› The most useful area is located around the center of the fingerprint

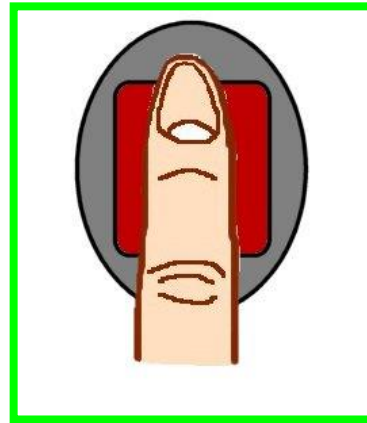
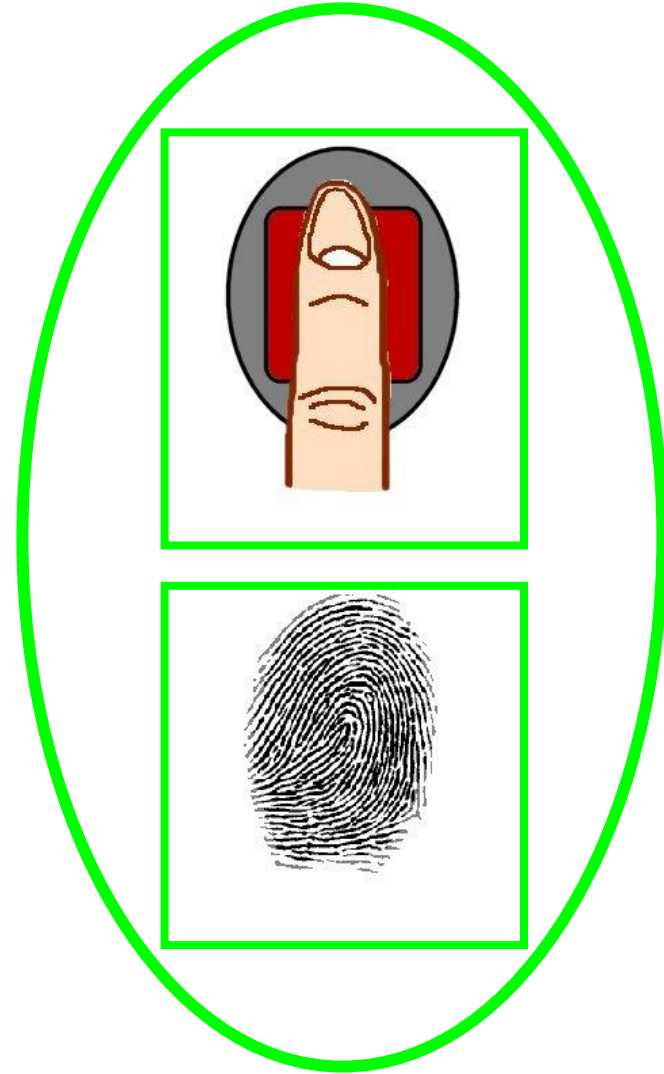
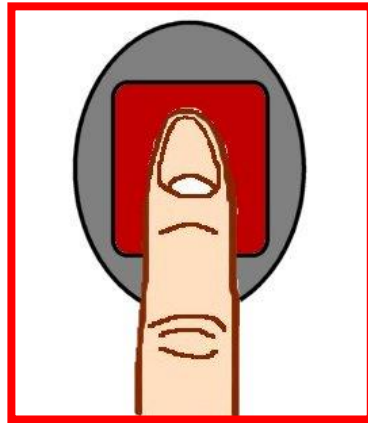
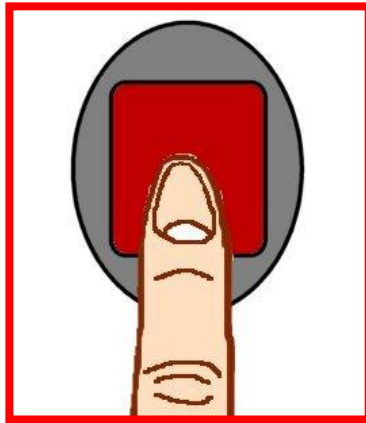
- Fingerprint central area must be aligned with sensor center

Area containing  
the maximum  
information



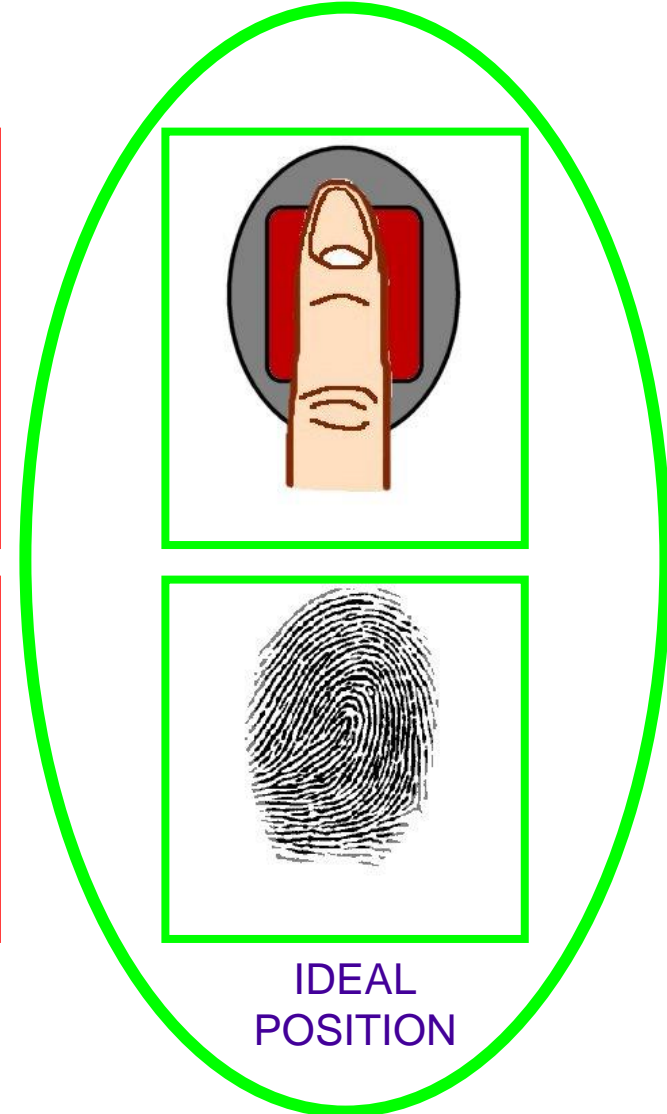
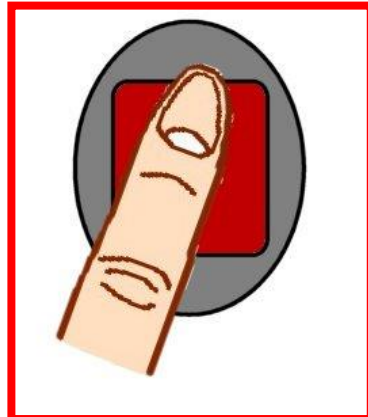
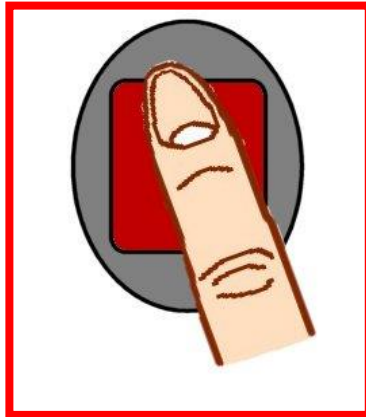
# FINGER HEIGHT

› Align center of 1<sup>st</sup> phalanx with sensor center



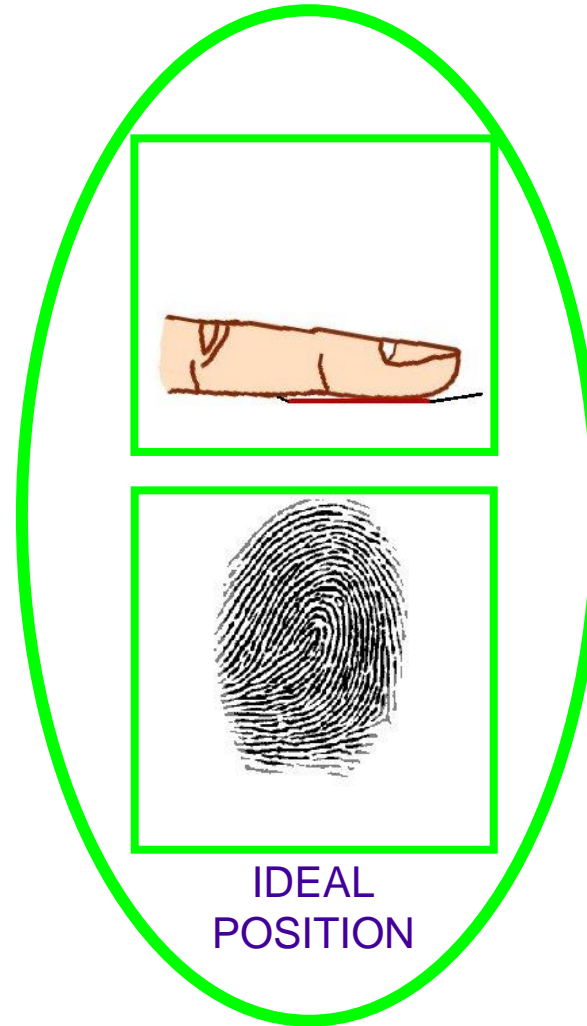
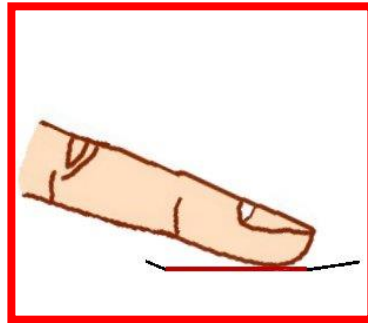
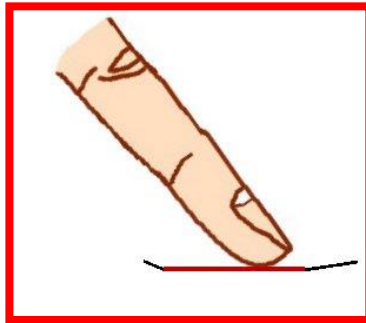
# FINGER ANGLE

› The finger must be parallel to sensor sides



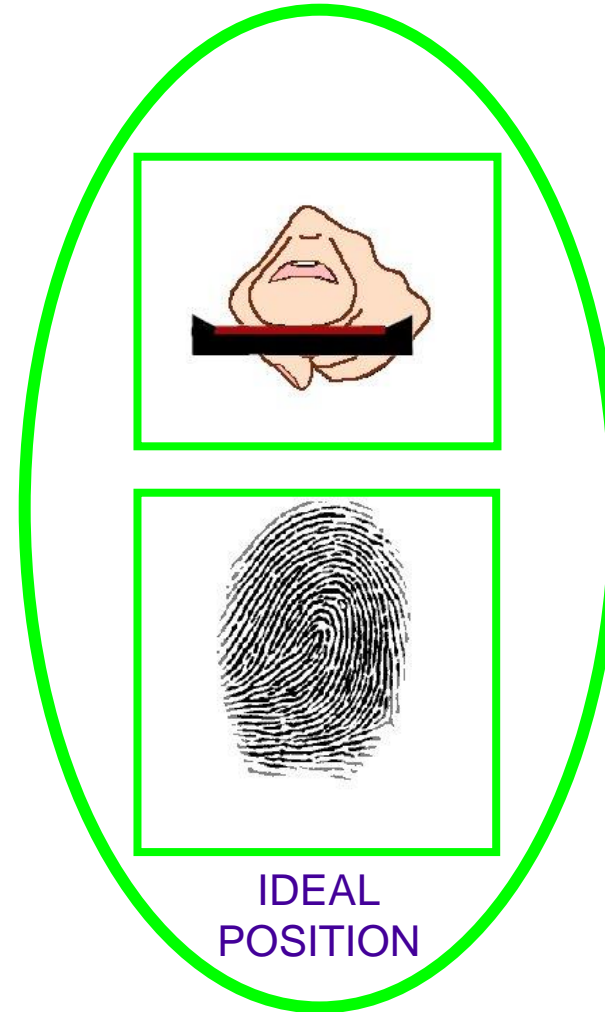
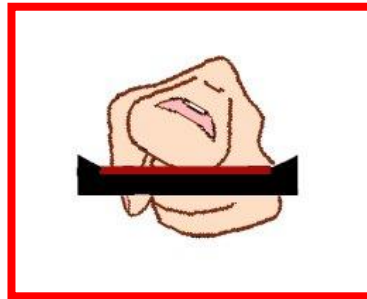
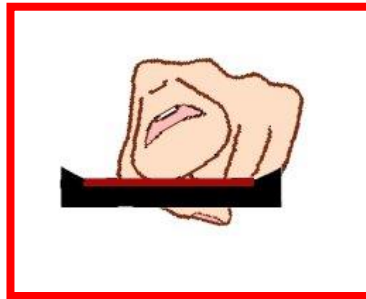
# FINGER INCLINATION

› Finger must be parallel to the sensor surface



# FINGER ROTATION

› Finger must be parallel to the sensor surface



# TROUBLESHOOTING

› When finger biometric data acquisition is difficult, please follow the recommendations listed below:

- The finger is cold  
→ Solution: warm up the finger
- The finger is wet  
→ Solution: wipe the finger
- The finger is dry  
→ Solution: warm up the finger and/or add a little bit of humidity
- The finger is dirty  
→ Solution: wash hands
- Remove bandages or adhesive tapes from the fingerprint area